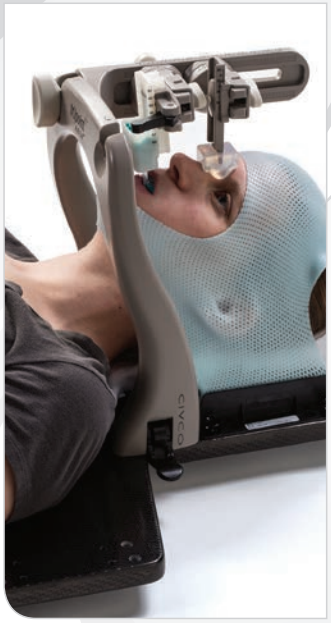
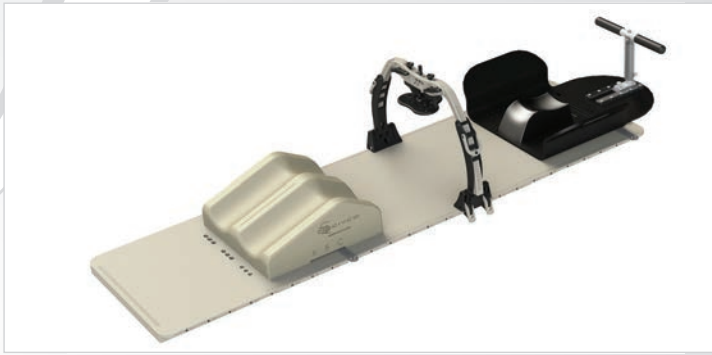
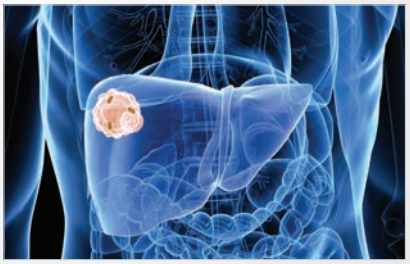






Solutions Guide Volume 2.0

Comprehensive Motion Management Solutions

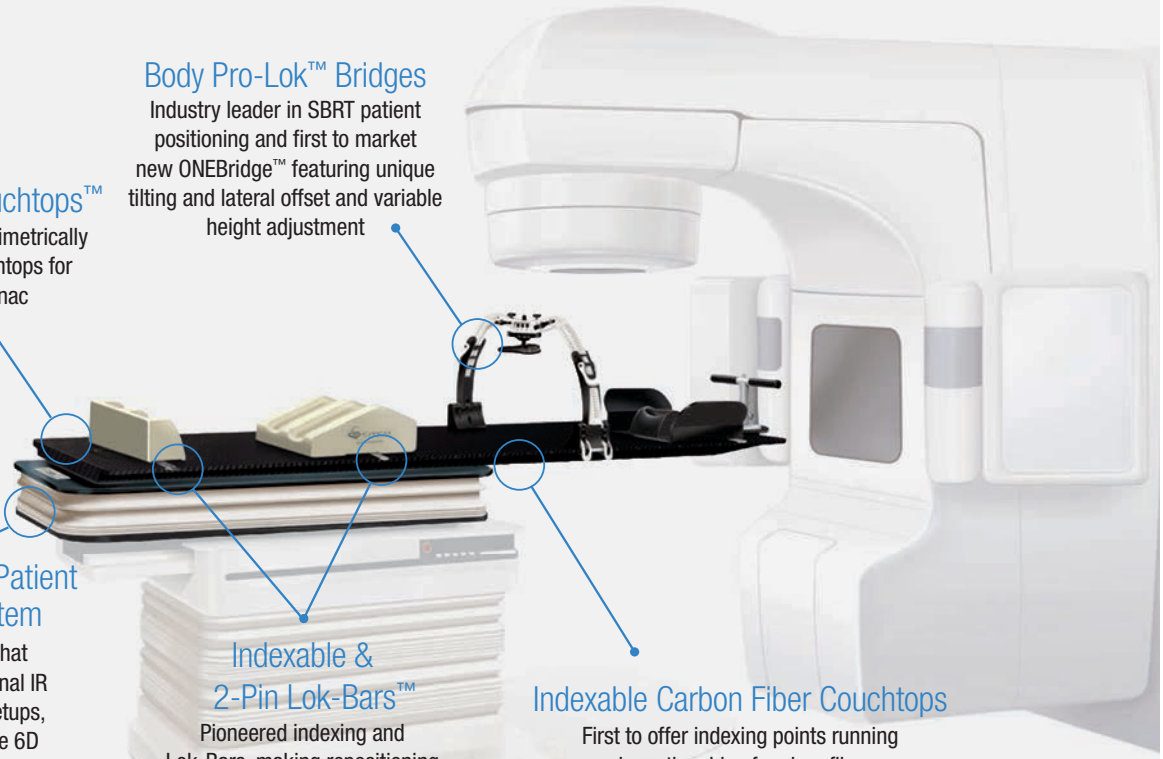
CIVCO MEDICAL SOLUTIONS

Radiation Oncology

Pioneering Innovation for more than 30 years!

Welcome to our expanded portfolio of innovative, comprehensive motion management solutions. For more than 30 years, CIVCO has helped clinicians and hospitals improve workflow and patient throughput and, more importantly, improve patient outcomes. Our focus on innovation allows us to offer solutions that deliver more accurate, safe and advanced patient care, from basic immobilization to robotic positioning systems.

Through the Years : Our Pioneering History



Body Pro-Lok™ Bridges
Industry leader in SBRT patient positioning and first to market new ONEBridge™ featuring unique tilting and lateral offset and variable height adjustment

Universal Couchtops™
First to offer dosimetrically matched couchtops for CT and Linac

Protura™ Robotic Patient Positioning System
First robotic couch that does not require external IR markers for patient setups, greatly simplifying the 6D positioning workflow

Indexable & 2-Pin Lok-Bars™
Pioneered indexing and Lok-Bars, making repositioning devices easier and giving clinicians confidence in their patient positioning

Indexable Carbon Fiber Couchtops
First to offer indexing points running down the side of carbon fiber couchtops, allowing for greater confidence in setup and treatment

First to Market

- Carbon Fiber Bellyboard
- Uni-frame® Thermoplastics
- MR Compatible SRS/SRT System
- Carbon Fiber Breastboard
- Type-S™ Thermoplastics
- Pneumatic Respiratory Belt
- Rails-Only SBRT System
- IMRT Thermoplastic Patterns
- Posicast® Thermoplastic
- Long Extension Couchtop with no supporting rails

What's New in Volume 2

Body Pro-Lok ONEBridge™

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Customizable Head Support

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Mastercast™ Pro Thermoplastic

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Extended Head Stop Headrest

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ZENTEC™ Thermoplastic New Thickness!

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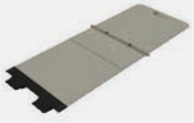
Universal Couchtop™ Kevlar Long Extension



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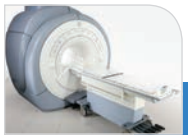

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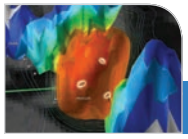
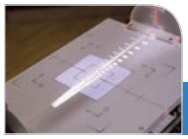


Fiducial Markers 81-84

Specialty Fiducials · Gold Markers · Multiple Needle Gauge Sizes



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Protura™ Robotic Patient Positioning System

Protura

CIVCO's Protura Robotic Patient Positioning System provides sub-millimeter positioning accuracy to reduce OAR dose and improve PTV dose accuracy.

Protura positions the patient with 6 degrees of freedom corrections from outside the treatment room and is the ideal solution for streamlining throughput and enabling more accurate treatments.

Contact CIVCO to learn more about the clinical benefits of Protura.

"The recent integration with Varian allows our facility to set up patients with essentially no time added to our treatment workflow-while improving quality assurance with no manual entry," said Dr. Silvia Chiesa, MD, Radiation Oncology Department at Università Cattolica Sacro Cuore (UCSC) Policlinico A. Gemelli, Rome, Italy. *"In addition to SRS, SRT and SBRT patient treatment, we also use the Protura system for our standard patient care, realizing the need to reduce rotational errors and improve setup accuracy for all IGRT treatment applications."*

Integrated

- Adapts to most Linac pedestals (see below for compatibility)
- Integration automatically transfers all 6 shift values to Protura Software
- Integrated with CIVCO's Universal Couchtop Long Extension and comprehensive motion management solutions

Accurate

- Assures precise patient alignment with a built-in redundant sensor system
- No external camera system is required
- Dynamic pivot point assures all rotations about isocenter
- Sub-millimeter precision from advanced robotic technology
- Internal auto-calibration
- Supports multiple coordinate systems if needed

Efficient

- Remote positioning, eliminating need to re-enter the treatment room to align patient
- Stores historical data for easy setup
- In-room touch screen
- Fast initialization, optimized to handle rigors of a busy clinic
- Powered via a standard outlet, no battery to charge

Compatible with:

Varian Trilogy® and Clinac® Series ..... Elekta Infinity™, Synergy® and Versa HD™ ..... Siemens TXT pedestals

Protura™ Robotic Patient Positioning System

Protura Workflow

Load patient onto Protura, set up for treatment and align patient to isocenter

Image patient and perform preferred IGRT method

Remotely position patient with 6 degrees of freedom

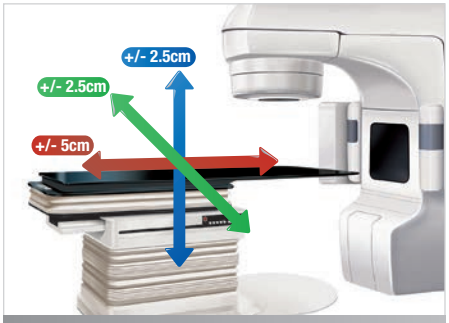
Perform treatment

Lower the Protura and pedestal, and unload the patient

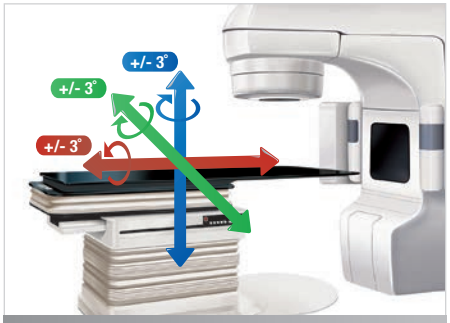
Technical Specifications

- **System Height** - 15cm (5.9") in load position
  20cm (7.8") in treatment position
- **System Weight** - 84kg (185lbs.)
- **Resolution** - 0.1mm; 0.1°
- **Speed** - Slow, Medium, Fast (up to 16mm/second)
- **Maximum Patient Load** - 200kg (440lbs)

A touch screen monitor allows you to make corrections within the treatment room



Translational Ranges



Rotational Ranges

Protura Control Panel

Universal Couchtop™ & Overlays

Indexable carbon-fiber couchtops and overlays provide you with a radiation-friendly base, creating fewer image artifacts and more treatment plan options.

Why CIVCO Universal Couchtop

The Universal Couchtop (UCT) family offers DoseMatch technology, which reduces your chance of setup errors by creating safe and efficient treatment planning and imaging.

DoseMatch™ Technology - Dosimetric accuracy from planning to treatment

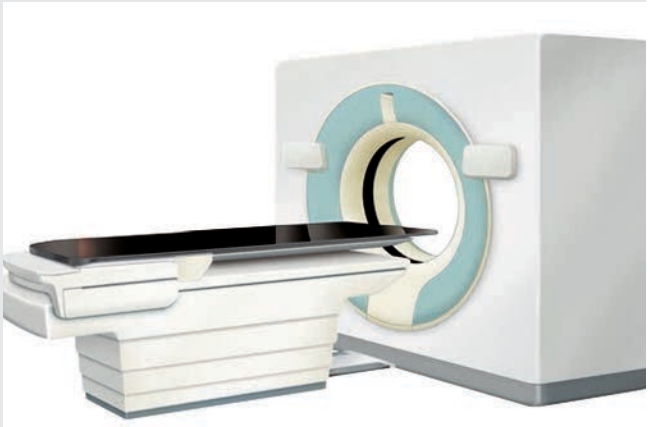
- **Easy** - Identical indexing makes it easy to transfer patient setups from simulation to treatment
- **Efficient** - Using a matching couchtop reduces time during treatment planning and assists in providing more accurate treatments
- **Compatible** - Couchtops are compatible with most major Linear Accelerator and CT models

SBRT Enabled - Comfortable immobilization for hyperfractionation

- **Customized** - Customize your setup to each individual patient with two-pin indexable products (indexable every 7cm), Body Pro-Lok bridges and a wide variety of extensions
- **Unique** - The unique profile allows for easy attachment of Body Pro-Lok bridges, providing anterior immobilization and breath restriction options

IGRT Optimized - Low attenuation and surface dose

- **Visibility** - The UCT provides options without junctions or rails in the treatment region for ultimate visibility. The homogeneous design provides high quality images for IGRT
- **Accuracy** - Compatible with CIVCO's Protura™ Robotic Patient Positioning System for increased setup accuracy



CT with Universal Couchtop

Linac with Protura and Universal Couchtop

Universal Couchtop™ Long Extension

Universal Couchtop™ Long Extension

Designed for efficiency and performance, the Universal Couchtop Long Extension is ideal for IGRT and SBRT. The Universal Couchtop Long Extension (UCT LE) facilitates better delivery of dose and target coverage by eliminating the interference of rails and junctions.

Compatible UCT LE - CT	Part #
GE VCT 2000	MTIL6343
GE VCT1700	MTIL6343
GE Discovery ST	MTIL6341
GE HiSpeed	MTIL6341
Philips Brilliance	MTIL6440
Siemens Somatom Sensation	MTIL6043
Siemens Definition PHS 4	MTIL6046
Siemens Definition PHS 1A/B	MTIL6044
Toshiba Aquilion	MTIL6540
Toshiba Aquilion One	MTIL6541

Compatible UCT LE - Linac	Part #
Siemens TXT or Protura	MTIL6040
Siemens ZXT	MTIL6041
Varian Exact	MTIL6140
Protura on Varian	MTIL6141
Elekta	MTIL6240

Long Extension Storage Device	MTIL6000SU

Self-locking Extension Seam

Features

- DoseMatch™ Technology - Matching CT overlay for dosimetric consistency between simulation, treatment planning and treatment
- Features a large, junction-free and artifact-free treatment area of 47 inches (119 cm)
- Wing profile that allows for attachment of Body Pro-Lok™ and Body Pro-Lok ONE bridges, assisting with anterior immobilization and breath restriction
- Extension seam that self-locks and is outside the treatment field
- Seven extension options with easy attachment and detachment features, including a Kevlar option compatible with Varian's Calypso® System
- Low attenuation and no overlay is required
- Utilizes Prodigy™ 2 indexing at 7cm increments
- Gray inferior surface for better visualization of SSD and field light

Testimonial

"Having now used the UCT LE on our Trilogy machine for over a year, we can safely say it's made patient treatment more exact. In addition, it's easier for therapists to position the target volume correctly and simultaneously ensure that the OARs are safely out of harm's way as planned."

- Chris Winter RT(T), Chief Radiation Therapist, University Hospital of Zürich

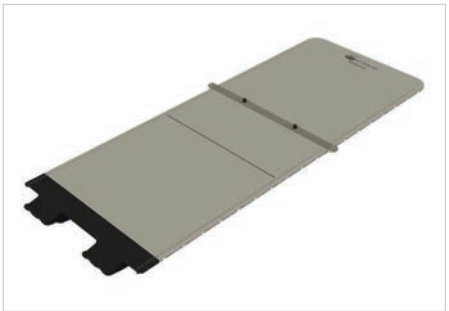
Universal Couchtop™ Long Extension

Accessories

Rectangular Extension	MTIL6660
Rectangular Extension w/Embedded Wires	MTIL6661

Type-S™ Extension	MTIL6665

Posifix® Extension	MTIL6666
Posifix SRS Extension	MTIL6668

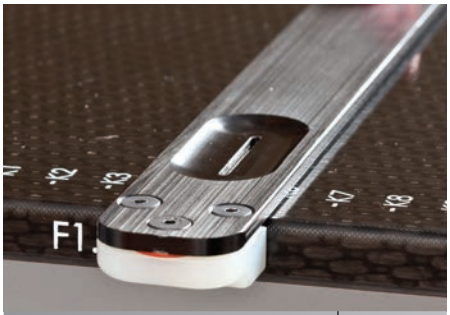


Kevlar Extension - Compatible with Varian's Calypso® System	MTIL6662

Grid Extension	MTIL6663

UCT Head Extension - Compatible with all UCT Models	MTIL6617

Varian End Plate	MTIL6667



Prodigy™ 2 Lok-Bar	MTIL6050
Prodigy 2 Transverse Lok-Bar	MTIL6051

Patient Handle, Right	MTIL662501
Patient Handle, Left	MTIL662502

Accessory Rail	MTIL6630

Type 2 & 3 Bridge Adapter (shown at left), Qty. 2	MTIL6615
Type 1B & Shoulder Restraint Bridge 2 Adapter (shown at right), Qty. 2	MTIL6616

Respiratory Belt Adapter, Qty. 2	MTIL6620

See page 22 for Universal Couchtop and Body Pro-Lok™ Package and Respiratory Restriction Package options.

Universal Couchtop™ Standard Extension

Universal Couchtop™ Standard Extension

The Universal Couchtop Standard Extension (UCT SE) is a strong, lightweight couchtop with low attenuation, ideal for IGRT tracking. This couchtop features a metal-free extension seam with six extension choices for versatility of patient setups while maintaining visibility of the treatment area.

Universal Couchtop with Body Pro-Lok Bridge

Carbon Fiber Extension Seam

Compatible UCT	Part #
Siemens TxT or Protura	MTIL6060
Siemens ZXT	MTIL6061
Varian Exact	MTIL6160
Protura on Varian	MTIL6161
Elekta	MTIL6260
Siemens Biograph	MTIL6062
Siemens Somatom	MTIL6063
GE HiSpeed	MTIL6360
GE Discovery ST	MTIL6361
GE Global 1700	MTIL6362
GE Global 2000	MTIL6363
Philips Brilliance	MTIL6460
Toshiba Aquilion	MTIL6560
Toshiba Aquilion One	MTIL6561

Features

- DoseMatch™ Technology - Matching CT overlay for dosimetric consistency between simulation, treatment planning and treatment
- Wing profile that allows for attachment of Body Pro-Lok™ bridges, assisting with anterior immobilization and breath restriction
- Six extension options with easy attachment and detachment features; self-locking and contains no metal
- Low attenuation and no overlay is required
- Utilizes Prodigy™ 2 indexing at 7cm increments
- Gray inferior surface for better visualization of SSD and field light

Testimonials

"The implementation of UCT has allowed us to introduce kV and CBCT imaging on our treatment units. It is the preferred treatment unit for all complex patients, including head and neck and lung treatments."
- Aniko Cooper, Director of Radiation Therapy Services, North Queensland Oncology Service, Douglas, Australia

"We really love our new UCT. It saves us a lot of work, and I feel more confident with the weight limit as opposed to our old table top. We used to have to turn our table to accommodate different types of setups, and now we don't."
- Susal Chamberlin, R.T.T., Buckeye Radiation Oncology, Columbus, OH

Universal Couchtop™ Standard Extension

Accessories

Type-S™ Extension	MTIL6607

Rectangular Extension	MTIL6604

Posifix® Extension	MTIL6608

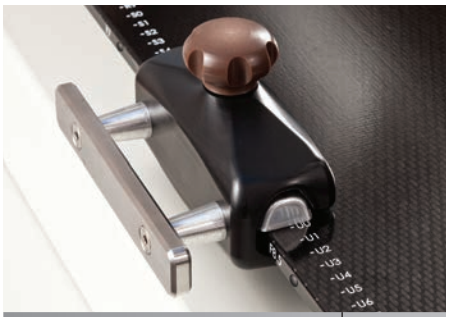
Palliative Extension - Grid	MTIL6602

Palliative Extension - Solid	MTIL6603

Varian End Plate	MTIL6613

Prodigy™ 2 Lok-Bar	MTIL6050
Prodigy 2 Transverse Lok-Bar	MTIL6051

Patient Handle, Right	MTIL662501
Patient Handle, Left	MTIL662502



Accessory Rail	MTIL6630

Type 2 & 3 Bridge Adapter (shown at left), Qty. 2	MTIL6615
Type 1B & Shoulder Restraint Bridge 2 Adapter (shown at right), Qty. 2	MTIL6616

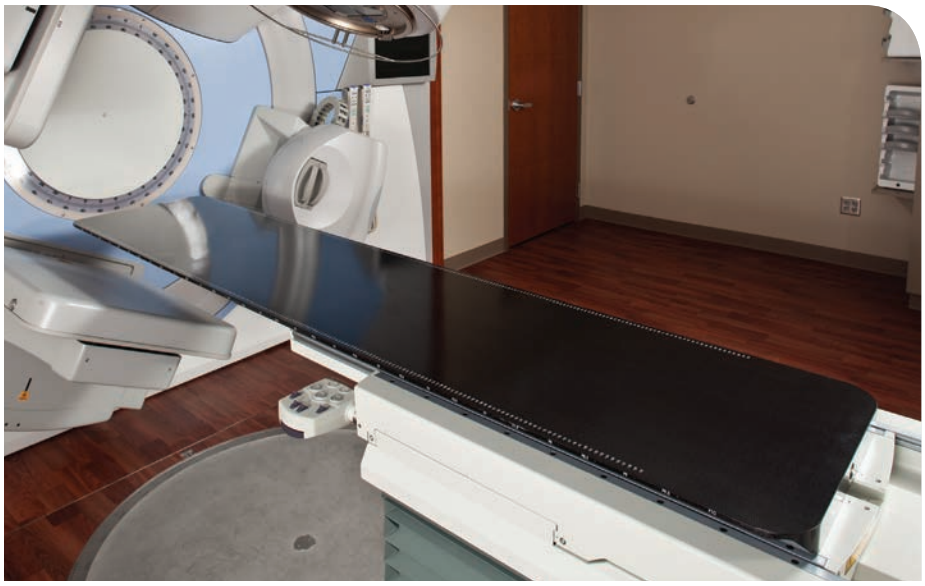
Respiratory Belt Adapter, Qty. 2	MTIL6620

See page 22 for Universal Couchtop and Body Pro-Lok™ Package and Respiratory Restriction Package options.

Universal Couchtop™ 1 Piece

Universal Couchtop™ 1 Piece

The Universal Couchtop 1 Piece was designed for simplicity by removing all extensions and seams making it ideal for IGRT and SBRT. A Varian End Plate is available, designed to slide onto the end of the couchtop. The affordable UCT 1 Piece is equivalent in length to the original UCT plus the rectangular extension.



Features

- DoseMatch™ Technology - Matching CT overlay for dosimetric consistency between simulation, treatment planning and treatment
- Wing profile that allows for attachment of Body Pro-Lok™ bridges assisting with anterior immobilization and breath restriction
- Low attenuation and no overlay is required
- Utilizes Prodigy™ 2 indexing at 7cm increments
- Gray inferior surface for better visualization of SSD and field light

Compatible UCT 1 Piece	Part #
Siemens TxT or Protura	MTIL6020
Siemens ZXT	MTIL6021
Varian Exact	MTIL6120
Protura on Varian	MTIL6121
Elekta	MTIL6220
Siemens Biograph	MTIL6022
Siemens Somatom	MTIL6023
GE HiSpeed	MTIL6320
GE Discovery ST	MTIL6321
GE Global 1700	MTIL6322
GE Global 2000	MTIL6323
Philips Brilliance	MTIL6420
Toshiba Aquilion	MTIL6520
Toshiba Aquilion One	MTIL6521

Varian End Plate for Universal Couchtop 1 Piece

The Varian End Plate for the Universal Couchtop 1 Piece is designed to slide onto the end of the couchtop, then can be tightened securely into place. This allows for the use of various QA and SRS devices.

Varian End Plate, UCT 1 Piece | MTIL6612

Compatible with Prodigy 2 Lok-Bars, Patient Handles, Accessory Rail & Bridge & Belt Adapters. See page 10 for more information.

Universal Couchtop™ Decision Guide

	Universal Couchtop Long Extension	Universal Couchtop Standard Extension	Universal Couchtop 1 Piece*
Indexing Style	Prodigy 2 - every 7cm	Prodigy 2 - every 7cm	Prodigy 2 - every 7cm
Available Extensions	• Type-S™ Extension • Rectangular Extension • Rectangular Extension w/ Embedded Wires • Kevlar Extension • Posifix® Extension • Posifix SRS Extension • Varian End Plate • Grid Extension	• Type-S Extension • Rectangular Extension • Posifix Extension • Palliative Extension - grid & solid • Varian End Plate	Varian End Plate (QA Only)
DoseMatch Technology	Yes	Yes	Yes
SBRT Enabled	Yes	Yes	Yes
Metal Free Extension Seam	Yes - extension seam is outside of the treatment field	Yes	No extension seam

* Requires Head & Neck Overlays

Types of Indexing

	Prodigy™ 2	Prodigy	Interloc®	Exact®	PinnPoint™
Description	Small protruding hemisphere	Protruding hemisphere	Notched	Varian Exact notched style	Protruding cylinders
Spacing	7cm	14cm	14cm	14cm	14cm
Available on	Universal Couchtops	Various Couchtops	Various Couchtops	Various Couchtops	Mastercouch

How Indexing Works

Every Indexed Patient Positioning System™ begins with an indexed couchtop or overlay. These tops feature an array of indexing points running down the side of the couchtop, each spaced an identical 14cm apart or 7cm apart on the Universal Couchtop. A Lok-Bar™ is also provided with every couchtop or overlay. Every Lok-Bar features two pins that interface with the two holes on CIVCO's line of patient positioning and fixation devices. Lok-Bars remain with the couchtop.

To index a product, attach the Lok-Bar to any of the indexing points. Then set the patient positioning device on the two pins on the Lok-Bar. Indexing patient positioning and fixation devices to the same indexing notches for every treatment ensures that your device is in the same location and is "square" with the couchtop for every treatment. This definitive repositioning of the device relative to the treatment table allows clinicians to confidently tighten the tolerance window in the record-and-verify system – an important enhancement. ***The result: increased target accuracy with increased patient throughput.***

Lok-Bars™

Prodigy™ 2 Lok-Bars

Prodigy 2 Lok-Bars are for use with all Universal Couchtops.

Prodigy™ 2 Lok-Bar	MTIL6050
Prodigy 2 Fiberglass Lok-Bar	MTIL6053
Prodigy 2 Transverse Lok-Bar	MTIL6051

Prodigy Lok-Bars

Prodigy Lok-Bars are for use with Prodigy style indexed couchtops. Lok-Bars are available in a variety of widths. The Slim Prodigy Lok-Bar features smaller side profiles.

Prodigy Lok-Bar for 53cm wide couchtop	MTIL3650
Prodigy Lok-Bar for 50cm wide couchtop	MTIL3651
Slim Prodigy Lok-Bar for 53cm wide couchtop	MTIL3653

Interloc® Lok-Bars

Interloc Lok-Bars are for use with Interloc style indexed couchtops. Lok-Bars are available in a variety of widths.

Interloc Lok-Bar for 48cm wide couchtops	MTIL3350
Interloc Lok-Bar for 49.5cm wide couchtops	MTIL3051
Interloc Lok-Bar for 50cm wide couchtops	MTIL3850
Interloc Lok-Bar for 53cm wide couchtops	MTIL3151

Transverse Lok-Bars

The Transverse Lok-Bar gives you the ability to move the two-pin system laterally across the couchtop, giving you more options for positioning devices on your couchtop. The Transverse Lok-Bar is available in Prodigy, Prodigy 2, Interloc, PinnPoint, Exact® and Medical Intelligence indexing styles.

Interloc- 53cm	MTIL3152
Exact - 53cm	MTVAR46
Prodigy - 53cm	MTIL3652
Prodigy 2 - 53cm	MTIL6051
PinnPoint - 50-52cm	MTIL5052
PinnPoint - 45.5-47.5cm	MTIL5053
Medical Intelligence	MTIL3950

Slide Guide Lok-Bar

The Slide Guide Lok-Bar does not lock down to the indexing points along the couchtop but slides longitudinally along the couchtop. It is especially useful for longer devices such as bellyboards and breastboards and devices like Vac-Lok™ cushions, which contract during forming.

Slide Guide Lok-Bar	MTVL00853
Transverse Slide Guide Lok-Bar	MTIL1006

Exact® Lok-Bar

The Exact Lok-Bar is for use with Exact or Interloc style indexed couchtops.

Exact Lok-Bar for 53cm wide couchtops	20VARSUB10

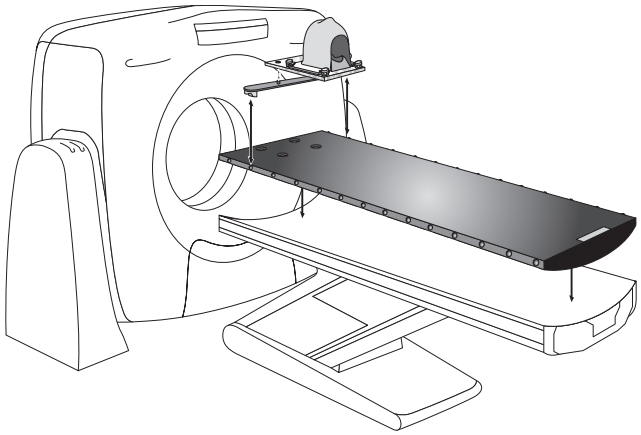
PinnPoint™ Lok-Bars

A PinnPoint Lok-Bar is available for the PinnPoint Indexing System. This allows two-pin indexable products to be used with the PinnPoint Indexing system. Two different widths are available.

Two-Pin Lok-Bar for 50-52cm wide couchtops	MTIL5050
Two-Pin Lok-Bar for 45.5-47.5cm wide couchtops	MTIL5051

CT Overlays

Carbon fiber overlays securely lock onto a cradle, providing a surface consistent with treatment couchtops. They are lightweight and durable, allowing them to be easily removed or reinserted for use on non-dedicated imaging machines.



Features

- Made of carbon fiber with a foam core
- Indexing options available
- Two-pin Lok-Bars allow positioning devices to be indexed to couchtop

The following CT Overlay options are available; part numbers include 1 standard Lok-Bar™

CT Overlay for:	Dimensions	Indexing Style	Compatible Lok-Bar	Compatible Transverse Lok-Bar	Part Number
Siemens SOMATOM Sensation (Prior to Aug. 2004)	245 x 53 x 3.2cm	Prodigy	MTIL3653	MTIL3652	**MTIL3001**
Siemens SOMATOM Emotion & Spirit (Prior to Jan. 2010)	217 x 53 x 4.1cm	Prodigy	MTIL3653	MTIL3652	**MTIL3008**
Siemens SOMATOM Sensation (After Aug. 2004)	245 x 53 x 3.2cm	Prodigy	MTIL3653	MTIL3652	**MTIL3013**
Siemens SOMATOM Sensation (After Aug. 2004)	245 x 53 x 3.2cm	Interloc	MTIL3151	MTIL3152	**MTIL3018**
Siemens SOMATOM Definition (PHS4 cradle)	220 x 53 x 3.8cm	Prodigy	MTIL3653	MTIL3652	**MTIL3019**
Siemens SOMATOM Definition, Emotion, Spirit, Perspective (PHS 1A or 1B cradle)	218 x 53 x 4.7cm	Prodigy	MTIL3653	MTIL3652	**MTIL3020**
GE HiSpeed Advantage, HiSpeed CT/i & LightSpeed QX/i	229 x 53 x 5.1cm	Interloc	MTIL3151	MTIL3152	**MTIL3300**
GE HiSpeed LX/i, HiSpeed FX/i & HiSpeed DX/i	229 x 53 x 5.1cm	Interloc	MTIL3151	MTIL3152	**MTIL3301**
GE 9800, HiSpeed Advantage (Metal)	229 x 53 x 5.1cm	Interloc	MTIL3151	MTIL3152	**MTIL3302**
GE Discovery LS	266 x 48 x 4.8cm	Interloc	MTIL3350	-	**MTIL3306**
GE Discovery ST (H-Power Base)	266 x 53 x 4.8cm	Interloc	MTIL3151	MTIL3152	**MTIL3310**
GE LightSpeed VCT & Discovery ST (Global Base)	217 x 53 x 5.1cm	Prodigy	MTIL3653	MTIL3652	**MTIL3311**
Philips / Marconi MX8000	245 x 53 x 3.2cm	Prodigy	MTIL3653	MTIL3652	**MTIL3502**
Philips Gemini PET/CT	253 x 48 x 3.7cm	Interloc	MTIL3453	-	**MTIL3403**
Philips Gemini PET/CT	253 x 53 x 3.7	Interloc	MTIL3151	MTIL3152	**MTIL3404**
Toshiba Aquilion (Short)	201 x 53 x 4.2cm	Interloc	MTIL3151	MTIL3152	**MTIL3704**
Toshiba Aquilion (Long)	231 x 53 x 4.2cm	Interloc	MTIL3151	MTIL3152	**MTIL3705**
Toshiba Aquilion One	252 x 53 x 2.6cm	Prodigy	MTIL3653	MTIL3652	**MTIL3706**
Siemens Biograph	239 x 53 x 2.7cm	Interloc	MTIL3151	MTIL3152	**MTIL4101**

Couchtops & Overlays

Accessories & Storage

Treatment Panels

A solid treatment panel is available for the Varian Exact® couchtop, featuring Interloc® indexing.

Various treatment panels are available for Siemens couchtops.

Varian Exact Solid Panel	MTIL3103
Siemens ZXT Solid Panel	MTZXTZ44069CS
Siemens ZXT Grid Panel	MTZXTZ44069CF
Siemens Posterior Grid Panel	MTIL301001
Siemens Tangential Panel	MTIL301002
Siemens Solid Panel	MTIL301003

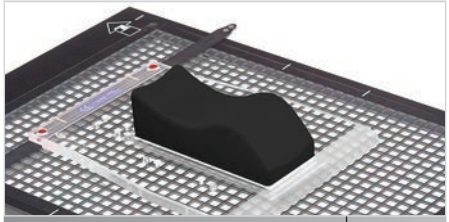
Foot Extension

A simple foot extension is available to maximize range for feet-first scans. The extension allows the patient's feet to extend up to 36cm off the end of the table. The Foot Extension is designed for feet-first CT applications and is not suitable for use as a head extension.

Foot Extension, Interloc (shown)	MTIL3006001
Foot Extension, Prodigy	MTIL3006002

Two-Pin Adapter

This adapter piece can be screwed onto most Posifix® and Posirest™ baseplates that are not two-pin ready. This will make these products compatible with CIVCO's two-pin indexing system. Not compatible with the Posifix-4.



Two-Pin Adapter	600251

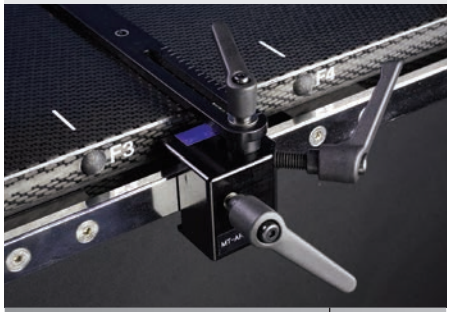
Overlay Stand

The Overlay Stand is ideal for shared CT rooms, where space is limited. The overlay stand creates a fast and effective way to store and protect your CT overlay between uses. The base and strap plate easily mount to the wall, allowing for quick access and out-of-the-way storage. Upper straps secure the overlay between uses.

Overlay Stand	MTIL1104

Accessory Rail Locking Block

The Accessory Rail Locking Block locks various positioning aids to the rails along the side of the couchtop. A Lok-Bar™ can attach to the accessory Locking Block (shown below) to provide a two-pin system for couchtops without indexing.



Accessory Rail Locking Block, Right	MTARB001
Accessory Rail Locking Block, Left	MTARB002
Accessory Rail Lok-Bar	MTIL1000

Body Pro-Lok™ Systems for SBRT Immobilization

The Importance

Stereotactic Body Radiation Therapy has quickly expanded due to significant advances in radiation therapy along with a history of success. With higher doses and fewer treatments, patient positioning for SBRT has become even more important.

Why CIVCO SBRT Immobilization

CIVCO set the industry standard of SBRT patient positioning with the release of the Body Pro-Lok System. As the industry leader in SBRT patient positioning and immobilization, CIVCO is pleased to bring you the largest product offering for a comprehensive SBRT solution to improve patient outcomes and clinical efficiencies. Highly adaptable to the individual patient and department, the Body-Pro Lok System provides a new level of confidence for SBRT and other treatment types, including Rapid Arc™, VMAT, IMRT, IGRT, and more.

	Body Pro-Lok ONE™	Body Pro-Lok™	Body Pro-Lok Rails-Only
Systems	CIVCO's newest SBRT solution, ONEBridge™, is the only bridge on the market that features tilt and lateral offset capabilities and variable height adjustments using one bridge. *See pages 17-19 for more information.*	CIVCO pioneered SBRT patient positioning with the release of the Body Pro-Lok System, which continues to be the most popular SBRT solution on the market. *See pages 20-22 for more information.*	The Rails-Only solution provides a system for utilizing Body-Pro Lok bridges and accessories without the full platform or Universal Couchtop. *See pages 23-25 for more information.*
Attributes	ONEBridge ONEPlatform™ Respiratory Belt & Plate	3 Bridges Platforms (Carbon Fiber, Kevlar) Respiratory Belt & Plate	3 Bridges Respiratory Belt & Plate Rails
Applications	UCT ONEPlatform™	UCT Platforms (Carbon Fiber, Kevlar)	Couchtops
Features	Lateral Offset Tilt Offset Variable Height Adjustment Advanced Latch Breathing Restrictions • Respiratory Belt • Respiratory Plate	Height Adjustment (3 Bridges) 2 Pin Lok-Bar Indexing Breathing Restrictions • Respiratory Belt • Respiratory Plate	Integrated Lok-Bars Breathing Restrictions • Respiratory Belt • Respiratory Plate Full compatibility with Body Pro-Lok Bridges and accessories (excluding the transfer system)

Introducing Body Pro-Lok ONE™

Body Pro-Lok ONE™

ONEBridge™ allows for *more effective patient positioning* – the only bridge on the market utilizing one bridge for a variety of heights vs. multiple bridges, lateral offset capabilities, tilt feature and 1cm height adjustments for varying body types

- **Clinical Efficiencies** – Body Pro-Lok ONEBridge's contoured design expands and contracts depending on the height to better accommodate varying body types and enhance clearance of CT opening
- **Seamless integration** between Body Pro-Lok ONEPlatform™ and Universal Couchtop™
- **Unique design** of the ONEBridge allows for adaptability of patient anatomy and enhances patient comfort with more patient positioning options

Features

- ONEBridge is the only bridge that features tilt and lateral offset capabilities and variable height adjustments with ONE bridge
- Advanced latch has been engineered to release in less than 3 seconds for patient safety
- Body Pro-Lok ONEBridge and accessories seamlessly integrate with the Universal Couchtop™ (UCT)
- ONEPlatform, made from Kevlar, is designed with the UCT profile to accept positioning accessories including ONEBridge and Respiratory Belt

Lateral and tilting offset bridge allows for enhanced placement of compression plate

Variable height adjustment capabilities with ONEBridge vs multiple bridges

Seamless integration with Universal Couchtop and ONEPlatform

Seamless Integration

Body Pro-Lok integrates with both the Universal Couchtop and Body Pro-Lok ONEPlatform, providing multiple options for treatment procedures.

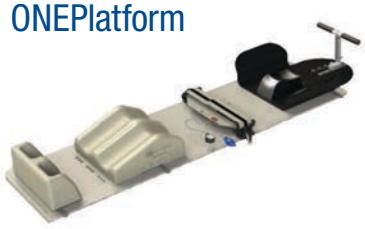
Body Pro-Lok ONE on Universal Couchtop

- Body Pro-Lok ONEBridge and accessories seamlessly integrate with CIVCO's Universal Couchtop (UCT)
- UCT offers indexing capabilities to accurately transfer patient positioning from simulation to treatment

Body Pro-Lok ONE on ONEPlatform

- ONEPlatform, made from Kevlar, is designed with the UCT profile to accept positioning accessories including ONEBridge and Respiratory Belt
- Additional indexing holes accommodate lateral offset of the platform
- Lightweight and 72" in length

Respiratory Belt on ONEPlatform



See page 19 for accessories.

Upgrade your current Body Pro-Lok System — contact your sales representative for more information.

Body Pro-Lok ONE™ ONEPlatform™ Packages

Body Pro-Lok ONE™

Body Pro-Lok ONE Platform Package One (Part # - BPL100)

Description	Qty.
ONEPlatform with four 3-pin Lok-Bars	1
ONEBridge™	1
Storage Base	1
Body Pro-Lok ONE Respiratory Belt	1
Respiratory Plate	1
Clam-Lok™ Cushion	1
Kneefix™ Cushion	1
Feetfix™ Cushion	1

Body Pro-Lok ONE Platform Package Two (Part # - BPL110)

Description	Qty.
ONEPlatform with four 3-pin Lok-Bars	1
ONEBridge	2
Storage Base	2
Body Pro-Lok ONE Respiratory Belt	1
Respiratory Plate	1
Clam-Lok Cushion	2
Kneefix Cushion	1
Feetfix Cushion	1

Body Pro-Lok ONE setup on ONEPlatform in imaging/CT

Respiratory Restriction Options

The Respiratory Plate places pressure at the level of the diaphragm to assist in restricting respiratory movement.

MRI Compatible

Respiratory Plate | MTSBRT003

The Body Pro-Lok ONE Respiratory Belt provides pneumatic compression and immobilization to the abdominal region for SBRT treatments.

Body Pro-Lok ONE Respiratory Belt | BPL002

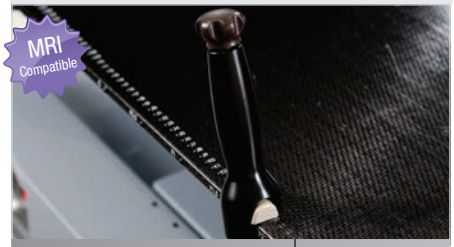
Body Pro-Lok ONE™ System

Body Pro-Lok ONE Customization

ONEBridge™ provides a solution for immobilizing the patient from above.

ONEBridge	BPL001

Patient Handles clamp to the platform, providing a stable place for immobilized patients to place their hands.



Patient Handle, right	MTIL662501
Patient Handle, left	MTIL662502

The Shoulder Restraint Bridge 2 provides padded cups to aid in comfortably immobilizing the shoulders.

Shoulder Restraint Bridge 2	MTSBRT038

The Forehead Restraint attaches to the bridges and provides a padded restraint mechanism for the head.

Forehead Restraint	MTSBRT018

The Clam-Lok™ Cushion forms to comfortably enhance immobilization from above. It is MR Conditional.

Clam-Lok Cushion (8")	MTSBRT202

T-Shape Vac-Lok™ Cushion provides positioning with the arms up when used with a Wing Board, while cradling the torso region.

T-Shape Vac-Lok Cushion	MTVL0017

The 3-Pin Lok-Bar™ allows you to fix positioning devices to your ONEPlatform™ or UCT for enhanced reproducibility.

3-Pin Lok-Bar, Prodigy 2, 53 cm	MTIL6054

The Slide Guide Lok-Bar slides longitudinally along the couchtop rather than locking down to indexing points.

Slide Guide Lok-Bar	MTVL00853

The Transverse Lok-Bar gives you the ability to move the 2-pin system laterally across the couchtop.

Transverse Lok-Bar, Prodigy 2, 53 cm	MTIL6051

The OneBridge Storage Base is designed to sit on the countertop or cart and holds the ONEBridge in an upright position.

OneBridge Storage Base	BPL005

The Kneefix™ 3 Cushion contributes to better stability and reproducibility in the supine position.

Kneefix 3 Cushion	301052

The Feetfix™ 3 Cushion contributes to better stability and reproducibility in the supine position.

Feetfix 3 Cushion	301071

See page 58 for Wing Boards™ and pages 42-44 for Headrests.

Body Pro-Lok™

The modular design of CIVCO's Body Pro-Lok System allows the clinician to easily balance the often competing concerns of patient comfort, safety and efficiency in SBRT patient setups. Each Body Pro-Lok setup is easily customized to a given patient's tolerances while keeping in mind the clinical immobilization and positioning needs of the patient's diagnosis.

This modular design also allows you to meet published SBRT guidelines. Modern guideline publications recommend "custom formed devices that cover a large extent of the patient both above and below the tumor[1]." CIVCO's Body Pro-Lok System provides a simple, modular and reproducible foundation for your high-precision SBRT program.

Customizable & Efficient

- Easy-to-use modular structure allows for multiple configurations to meet every department's need.
- System allows you to customize your setup to meet both the patient's comfort level and your clinical needs.
- Respiratory belt and plate provide options to help restrict respiratory movement.

Reproducible

- Components are indexable, allowing you to reproduce the same setup from day to day.
- Setup sheet simplifies reproducing setups from day to day.
- Immobilization above and below the patient are reproducible following published guidelines.

Features

- Aids in providing comfortable, total body immobilization for lengthy hypo-fractionation treatments
- Compatible with existing CIVCO positioning equipment via standard two-pin indexing
- Carbon Fiber and Kevlar platform options provide seamless transfer of patient from imaging/ simulation to the Linac unit
- Customized setups to meet your patient's needs, including 2 options for reducing respiratory motion
- Simple, cost-effective system for the transfer of fully immobilized patients

Kevlar Platform

1 Solberg, Timothy D., James M. Balter, Stanley H. Benedict, Benedick A. Fraass, Brian Kavanagh, Curtis Miyamoto, Todd Pawlicki, Louis Potters, et al. "Practical Radiation Oncology." Practical Radiation Oncology. Supplemental Material. (2011):n. page. Web. 29 Nov. 2012. <http://download.journals.elsevierhealth.com/mmcs/journals/1879-8500/PIIS1879850011002165.mmc1.pdf>

See pages 24-25 for accessories.

"The degree of required immobilization for SBRT is largely influenced by the ability of the dose delivery system to both detect and correct for the changes in patient position that may occur during treatment. Even current image-guided positioning systems reduce but do not eliminate the need for proper immobilization."

- "Stereotactic Body Radiation Therapy: The report of AAPM Task Group 101", 2010 (V.A. Immobilization)

Body Pro-Lok™ Platform Packages

Body Pro-Lok™

Body Pro-Lok Full Platform Package

Description	Part #
1-Pro-Lok Platform (Carbon Fiber or Kevlar), 2-Patient Handles, 2-Type 1B Bridges, 2-Type 2 Bridges, 1-Type 3 Bridge, 4-T-Pin Lok-Bars, 1-Shoulder Restraint 2, 1-Forehead Restraint, 1-Clam-Lok Cushion	
Carbon Fiber	MTSBRT001
Kevlar	MTSBRT400K

Body Pro-Lok Lite Platform Package

Description	Part #
1-Pro-Lok Platform (Carbon Fiber or Kevlar), 2-Type 1B Bridges, 2-Type 2 Bridges, 1-Type 3 Bridge, 4-T-Pin Lok-Bars, 1-Clam-Lok Cushion	
Carbon Fiber	MTSBRT001L
Kevlar	MTSBRT410K

Body Pro-Lok Ultra-Lite Platform Package

Description	Part #
1-Pro-Lok Platform (Carbon Fiber or Kevlar), 1-Type 1B Bridge, 1-Type 2 Bridge, 1-Respiratory Plate, 1-Respiratory Belt, 4-T-Pin Lok-Bars, 2-Clam-Lok Cushions, 1-KneeFix 2 Cushion	
Carbon Fiber	MTSBRT320
Kevlar	MTSBRT420K

Body Pro-Lok in imaging/CT

Body Pro-Lok on Protura™ in treatment/Linac

Respiratory Restriction Options

The Respiratory Plate places pressure at the level of the diaphragm to assist in restricting respiratory movement.

MRI Compatible

Respiratory Plate | MTSBRT003

The Body Pro-Lok Respiratory Belt provides pneumatic compression and immobilization to the abdominal region for SBRT treatments.

Respiratory Belt | MTSBRT004

"High precision radiotherapy with IMRT and SBRT are becoming standard of practice and require reliable and reproducible immobilization devices. The Body Pro-Lok from CIVCO fulfills that need with a very ergonomically designed solution. We have been using it in our practice, especially with SBRT treatments, and found it to be easy to use while providing firm immobilization and ease of transfer of patients from the CT to the linac unit."

- Nikos Papanikolaou, Ph.D., The University of Texas Health Science Center, San Antonio, TX

Body Pro-Lok™ Universal Couchtop™ Packages

Body Pro-Lok™

Each of the modular components of the Body Pro-Lok patient immobilization and positioning system natively connects to CIVCO's Universal Couchtop (UCT), seamlessly integrating your entire SBRT immobilization platform. The UCT is available for most CT models as well as linacs, providing an environment in simulation that is reproducible and dosimetrically matched in treatment.

Comprehensive Body Pro-Lok UCT Package (Part # - MTSBRT310)

Description	Part #	Qty.
Type 1B Bridge	MTSBRT039	2
Type 2 Bridge	MTSBRT007	2
Type 3 Bridge	MTSBRT031	1
Prodigy 2 Lok-Bar	MTIL6050	3
Respiratory Plate	MTSBRT003	1
Respiratory Belt	MTSBRT004	1
Type 2 & 3 Bridge Adapter Pair	MTIL6615	2
Type 1B & Shoulder Restraint Bridge 2 Adapter Pair	MTIL6616	3
Respiratory Belt Adapter Pair	MTIL6620	1
Forehead Restraint	MTSBRT018	1
Shoulder Restraint 2 Bridge	MTSBRT038	1
Universal Couchtop Patient Handle - Right	MTIL662501	1
Universal Couchtop Patient Handle - Left	MTIL662502	1
Clam-Lok™ Cushion	MTSBRT202	2

Patient on Universal Couchtop with Shoulder Restraint 2 Bridge and Patient Handles

Respiratory Restriction Body Pro-Lok UCT Package (Part # - MTSBRT300)

Description	Part #	Qty.
Type 1B Bridge	MTSBRT039	1
Type 2 Bridge	MTSBRT007	1
Respiratory Plate	MTSBRT003	1
Respiratory Belt	MTSBRT004	1
Type 2 & 3 Bridge Adapter Pair	MTIL6615	1
Type 1B & Shoulder Restraint Bridge 2 Adapter Pair	MTIL6616	1
Respiratory Belt Adapter Pair	MTIL6620	1

See pages 7-12 for more information on Universal Couchtops.

See pages 24-25 for accessories.

Patient on Universal Couchtop with Bridge and Respiratory Plate

Patient on Universal Couchtop with Respiratory Belt

Body Pro-Lok™ Rails-Only Packages

CIVCO's Body Pro-Lok Rails-Only System provides a system for utilizing Body Pro-Lok Bridges and accessories without the full Body Pro-Lok Platform or the Universal Couchtop. The Interloc® and Prodigy™ versions are now MRI compatible.

Features

- Full compatibility with Body Pro-Lok Bridges and accessories (excluding the transfer system)
- Integrated Lok-Bars™ provide additional stability (Prodigy™, Interloc® and Elekta versions available)
- Rails-Only T-Pin Lok-Bars provide compatibility with indexable products
- Reduced attenuation when compared with the use of the Body Pro-Lok Platform
- Prodigy and Interloc versions are MRI compatible

Body Pro-Lok Rails-Only Systems

All part numbers listed below include one rail assembly with attached Lok-Bars. Bridges and accessories are sold separately unless specified otherwise.	Part #
Body Pro-Lok Rails Only System - 53cm - Prodigy (shown)	MTSBRT051
Body Pro-Lok Rails Only System - 53cm - Interloc	MTSBRT050
Body Pro-Lok Rails Only System - 53cm - Elekta (includes 4 - T-Pin Two-Pin Lok-Bars) **53cm Medical Intelligence System Not MRI Compatible	MTSBRT059
Body Pro-Lok Rails Only System - 50cm - Prodigy	MTSBRT053
Body Pro-Lok Rails Only System - 50cm - Interloc	MTSBRT052

Comprehensive SBRT Rails-Only Package (MTSBRT360)

Description	Part #	Qty.
Type 1B Bridge	MTSBRT039	2
Type 2 Bridge	MTSBRT007	2
Type 3 Bridge	MTSBRT031	1
Respiratory Plate	MTSBRT003	1
Respiratory Belt	MTSBRT004	1
Forehead Restraint	MTSBRT018	1
Shoulder Restraint Bridge 2	MTSBRT038	1
Patient Handle	MTSBRT005	1
Patient Handle (mirror)	MTSBRT0051	1
Clam-Lok Cushion	MTSBRT202	2

Bridge attachment to the Rails-Only System

Respiratory Restriction Rails-Only Package (MTSBRT350)

Description	Part #	Qty.
Type 1B Bridge	MTSBRT039	1
Type 2 Bridge	MTSBRT007	1
Respiratory Plate	MTSBRT003	1
Respiratory Belt	MTSBRT004	1

See pages 24-25 for accessories.

Body Pro-Lok™ & Rails-Only Systems

Body Pro-Lok & Rails-Only Customization

Body Pro-Lok's Bridges provide a solution for immobilizing the patient from above.

Type 1B Bridge (front)	MTSBRT039
Type 2 Bridge (middle)	MTSBRT007
Type 3 Bridge (back)	MTSBRT031

Patient Handles clamp to the platform, providing a stable place for immobilized patients to place their hands.

Patient Handle	MTSBRT005
Patient Handle (mirror)	MTSBRT0051

The Shoulder Restraint Bridge 2 provides padded cups to aid in comfortably immobilizing the shoulders.

Shoulder Restraint Bridge 2	MTSBRT038

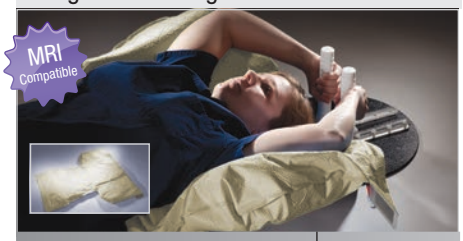
The Forehead Restraint attaches to the bridges and provides a padded restraint mechanism for the head.

Forehead Restraint	MTSBRT018

The Clam-Lok™ Cushion forms to comfortably enhance immobilization from above. It is MR Conditional.

Clam-Lok Cushion (8")	MTSBRT202

T-Shape Vac-Lok Cushion provides positioning with the arms up when used with a Wing Board™, while cradling the torso region.



T-Shape Vac-Lok Cushion	MTVL0017

The Kneefix™ 3 Cushion contributes to better stability and reproducibility in the supine position.

Kneefix™ 3 Cushion	301052

The Feetfix™ 3 Cushion contributes to better stability and reproducibility in the supine position.

Feetfix™ 3 Cushion	301071

Body Pro-Lok™ & Rails-Only Systems

T-Pin Lok-Bars allow most indexable positioning aids to be indexed to the Body Pro-Lok **Platform**.

T-Pin Lok-Bar™ (Platform)	MTSBRT009

T-Pin Lok-Bars allow most indexable positioning aids to be indexed to the Body Pro-Lok **Rails-Only System**.

Rails-Only Two-Pin Lok-Bar™	MTSBRT055
Rails-Only Three-Pin Lok-Bar™ - MRI Compatible	MTSBRT054

Prodigy 2 Lok-Bars allow positioning devices to be indexed to the **Universal Couchtop™**.

T-Pin Lok-Bar™ (Universal Couchtop)	MTSBRT009

Two storage options, a cart and a wall mounted unit, are available.

Storage Cart	MTSBRT203
Wall Storage Unit	MTSBRT224

The Patient Transfer Base allows for the transfer of a completely immobilized patient.

Transfer System	MTSBRT011

Adapters are available for all Bridges and the Respiratory Belt, providing compatibility with the **Universal Couchtop**.

Type 2 & 3 Bridge Adapter, Qty. 2	MTIL6615
Type 1B & Shoulder Restraint Bridge 2 Adapter, Qty. 2	MTIL6616
Respiratory Belt Adapter, Qty. 2	MTIL6620

Wing Boards™ are available for use with the Body Pro-Lok System. See page 58 for options.

Headrests are available for use with the Body Pro-Lok System. See pages 42-44 for compatible options.

Body Pro-Lok Bridges and the Respiratory Belt can attach directly to the Universal Couchtop with the use of a small adaptor. See page 7 for more information on the Universal Couchtop.

trUpoint ARCH™ SRS Immobilization

MRI Compatible

The trUpoint ARCH is an ideal solution for non-invasive Stereotactic Radiosurgery (SRS) and Stereotactic Radiotherapy (SRT), with multiple points of fixation for an accurate, secure hold. Now with US FDA 510(k) clearance for MR environments, trUpoint ARCH is the only option for centers planning to use MR simulation for their SRS and SRT cases.

Accurate

- Immobilization is accomplished using multiple components - custom head support, bite tray, thermoplastic mask and nasion cushion - allowing a truly custom hold for superior results
- When used with CIVCO's Universal Couchtop™, setups are dosimetrically matched from simulation to treatment
- Repeatability testing of the indexing system demonstrates accuracy within 1mm

Repeatable

- Every setup is specific to each patient, ensuring excellent reproducibility from fraction to fraction
- Interfraction patient positioning tests show equivalency to higher-priced competitor systems

Comfortable

- Frameless arch design provides a secure hold with no surgical attachment to the patient
- Custom, conformal head cushion and open-faced mask provide comfortable support
- Release mechanism allows rapid response for anxious patients

Hold

- Multiple points of fixation secure the patient in a strong, non-invasive hold
- Every component of the trUpoint ARCH system, from the thermoplastic mask to the nasion cushion, is designed specifically for SRS patient immobilization
- Less than 1mm of patient movement permitted during intrafraction immobilization testing

trUpoint ARCH™

trUpoint ARCH Starter Kit

Starter Kit includes: trUpoint ARCH, Acrylic Posifix Baseplate, Storage Base, Posicast SRS thermoplastic (10), Individual Head Support (10), Bite Putty (12 applications), Bite Cups (12), Bite Trays (12), Putty Dispenser (1), Nasion Cushions (12)

trUpoint ARCH Starter Kit *Putty Dispenser is MR Unsafe and must be used for setup outside of the MR environment.	MTHF150

Compatible Baseplates

Universal Couchtop™ Long Extension - Posifix SRS	MTIL6668
iBEAM™ Overlay Adapter	108070
Posifix® SRS IMRT Extension	108020
Posifix-1 Acrylic SRS Overlay	101019

Replacement Parts

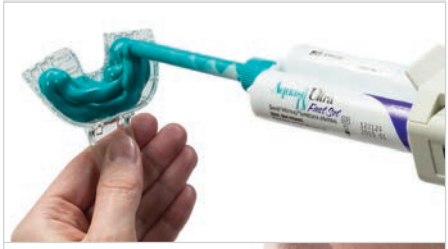
Nasion Cushions, Qty. 12	MTHF016
Bite Tray, Qty. 12	20HF033
Bite Cup, Qty. 12	MTHF135
Bite Putty, Qty 12	MTHF225
Individual Headrest, Posifix style	MTIHS01
Posicast SRS thermoplastic	970031

trUpoint ARCH™ SRS Immobilization

Step-by-Step Setup

1. Dental Impression

Fill the Bite tray with non-adhesive dental putty and insert into the patient's mouth. Allow to sit for 2-3 minutes until putty is formed.



2. Headrest & Thermoplastic

Create Individual Head Support for patient. Form Posicast Thermoplastic over patient.

3. Arch Orientation

Determine how the trUpoint ARCH should be oriented for optimal treatment. If arch needs to be flipped, loosen the large frame knob and rotate the arm 180°. Then use medium and small knobs to correctly orient the bite block and nasion assemblies.

4. Attach Arch

Position all components of the arch so they will not contact the patient. Then insert docking pins and use the base locks to secure the arch.

5. Secure Bite Cup

Position bite cup as close to patient's lips as possible without touching. Lock black lever on bite assembly to secure. Insert putty, filling the bite cup completely.

6. Lower Nasion Piece

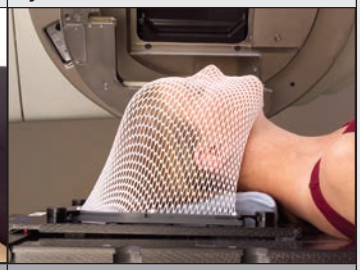
Align and lower the nasion piece. Setup is now complete.

Head & Neck Positioning

CIVCO provides the three essential components to a head and neck system:

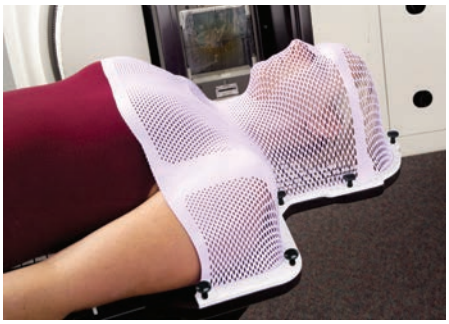
- Thermoplastic masks, providing fixed positioning from imaging through treatment
- Headrests, providing enhanced repositioning, accuracy and patient comfort
- A baseplate/overlay or extension, providing the foundation for the system

Each of CIVCO's three unique systems, Type-S™, Posifix® and Uni-frame®, offer a high degree of patient stability with ease of use for the clinician.

	Type-S Patient Positioning System - see pages 29-33 for system details	**Posifix Patient Positioning System** - see pages 34-37 for system details	**Uni-frame Patient Positioning System** - see pages 38-41 for system details
			
Thermoplastic Material	• ZENTEC™ • Standard White	• Mastercast™ Pro • Posicast®	• ZENTEC • Standard White
Key Features	• ZENTEC – Smooth easy forming, high-contouring mask • Standard White – Wide variety of styles	• Excellent positioning and reproducibility • Minimal stretch drape and mold system • Does not stick to skin or hair	• ZENTEC – Smooth easy forming, high-contouring mask • Standard White – Wide variety of styles
Immobilization Options	• Head-Only • Head, Neck and Shoulders	• Head-Only • Head, Neck and Shoulders	• Head-Only
Pediatric Options Available	Yes, contact a sales representative for options	Yes, contact a sales representative for options	Yes, contact a sales representative for options
Compatible Headrests - see pages 36-40 for details	• Customizable Head Support • Silverman • Posifix Headrests (with adapter) • AccuForm™ Cushions • Type-S Vac-Lok™ Cushion • Individual Head Support	• Customizable Head Support • Posifix Headrests • AccuForm Cushions • Individual Head Support	• Timo • Silverman • Posifix Headrests (with adapter) • AccuForm Cushions • Vac-Lok Cushions
Extension Options	• Universal Couchtop™ Long Extension • Universal Couchtop™ Standard Extension • Varian Style Extension	• Universal Couchtop Long Extension • Universal Couchtop Standard Extension • Varian Style Extension	n/a
Overlay/Baseplate Options	• iBEAM® Overlay Adapter • Overlay Board • MRI Type-S Overlay • Fixator™ Shoulder Suppression System • Type-S SRS Board • Variable Axis Baseplate	• iBEAM Overlay Adapter • Posifix-4 baseplate • Posifix-5 baseplate • Posifix-2 baseplate • Posifix-1 SRS baseplate • Positilt	• Carbon Fiber Baseplate • Carbon Fiber Tilting Baseplate • Acrylic Baseplate • Acrylic Tilting Baseplate • Prone Head Holder • Lateral Baseplate

Type-S™ Patient Positioning System

The Type-S system was designed for IMRT and conformal treatments and is intended to provide minimal attenuation throughout 360° of treatment angles. Type-S thermoplastics offer the greatest variety of IMRT patterns and materials, and the convenience of the continuous frame allows easier handling during setup. The Type-S system is fully compatible with Silverman headrests and the Individual Head Support and can also be used with Posifix® headrests via an adapter.



Type-S Extensions

Universal Couchtop™ Long Extension

The Universal Couchtop Long Extension self-locks onto the couchtop, allowing the thermoplastic to natively connect to the couchtop (see page 8 for more info on the long extension).

UCT LE Type-S Extension	MTIL6665

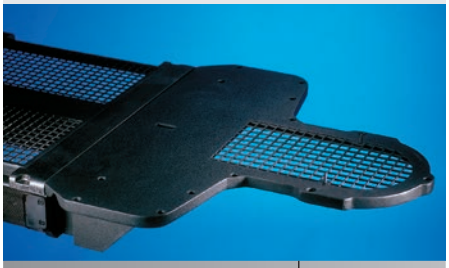
Universal Couchtop™ Standard Extension

The Universal Couchtop Standard Extension self-locks onto the couchtop, allowing the thermoplastic to natively connect to the couchtop (see page 10 for more info on the standard extension).

UCT SE Type-S Extension	MTIL6607

Varian Style Extension

The Varian Style Extension hooks easily on the superior end of a Varian style endplate. It comes with an optional reloadable head, neck & shoulder frame for Type-S thermoplastics.



Type-S Extension	MTCFHNV

Type-S Overlays

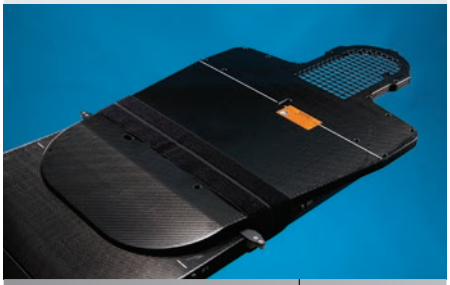
iBEAM® Overlay Adapter

Created for the Medical Intelligence iBEAM and iBEAM EVO couchtops. The overlay is cantilevered, providing minimal attenuation in the area of treatment.

iBEAM Overlay Adapter	108071

Overlay Board

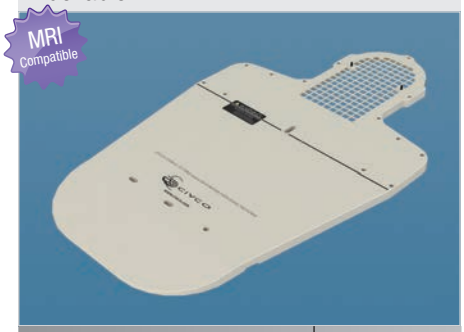
The Overlay Board extends off the end of the treatment couch. It comes with an optional reloadable head, neck and shoulders frame for Type-S thermoplastics.



Overlay Without Frame	20CFHNSUB2
Overlay w/ Carbon Fiber Frame	MTCFHNC
Overlay w/ ABS Frame	MTCFHNP

MRI Type-S Overlay

The MRI Type-S Overlay is made of fiberglass with a foam core for use in MR environments. It is also three-pin indexable.



MRI Type-S Overlay	MTMRHNTYPES
MRI Type-S Overlay - Narrow	MTMRHNPN

Type-S™ Patient Positioning System

Fixator™ Shoulder Suppression System

The Fixator Shoulder Suppression System is designed to enhance the benefits of the Type-S™ system. The Fixator extends off the couchtop and includes adjustable padded positioners to gently cup the patient's shoulders, capturing and positioning them out of the treatment field. Indexed nomenclature allows for easily-recorded shoulder repositioning. Type-S head-only IMRT Reinforced Thermoplastic™ masks are recommended for use with this system.

Fixator Shoulder Suppression System with 2-Shoulder Cups	MTCFHN006
Shoulder Cup, Qty. 1	MTCFHN006SUB6

Type-S SRS Board

The Type-S SRS Board provides a 7° incline with applications for Stereotactic Radiosurgery. It comes with a 1" thick pad for added comfort.

Type-S SRS Board w/ pad	MTCFHNSRS
Pad Only	20CFHNSRS07

This product has not been CE Marked.

Variable Axis Baseplate

The Variable Axis Baseplate integrates with any Type-S Baseplate to provide a tilting movement with patient fixation in either prone or supine positions. The unique variable axis design allows for natural head and neck movement during patient setup. The carbon fiber baseplate accommodates Type-S head-only thermoplastics and comes with the Prone Face Cushion (shown below).

The Variable Axis Baseplate can accommodate the Prone Headrest (see page 43) with the use of the 301016 adapter plate (see page 44).

Variable Axis Baseplate w/ Prone Face Cushion	MTCFHNVAB01
Prone Face Cushion Only	MTPFC01

Variable Axis Baseplate with optional adapter plate and Prone Headrest.

Prone Headrest	301025
Adapter	301016

Patient Setup with Variable Axis Baseplate and Prone Face Cushion

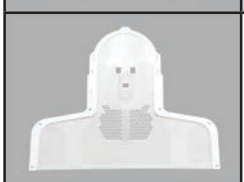
Type-S™ Patient Positioning System

Type-S Thermoplastics

Tranquility™ Series Masks

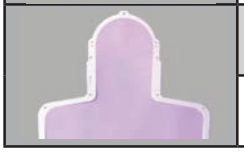
Tranquility Series Thermoplastic Masks were designed with patient comfort and 3D tracking in mind. The masks feature a unique open pattern, balanced with a traditional rigid mask design.

- **FreedomView™** - Pre-cut eye and mouth holes, increasing patient comfort and setup efficiency
- **ClearVision™** - Open face mask designed to use with vision/camera system
- **PureVision™** - Open face mask designed to use with vision/camera system; separate reinforcing thermoplastic strips included

	Part Number	Description	Thickness
	MTAPUID1832CL	FreedomView IMRT Style 18, Head Only	3.2 mm
	MTAPSID27NR32CL	FreedomView IMRT Style 27, Head Neck & Shoulders	3.2 mm
	MTVRT20	ClearVision, Head Only	3.2 mm
	MTVRTR	PureVision, Reloadable, Head Only	3.2 mm

ZENTEC™

ZENTEC thermoplastics require less heating time and produce a mask that more closely captures the contours of the patient, resulting in a comfortable cast of the patient. In the 2.4 mm thickness, these masks provide a lighter feeling, which offers a more pleasant experience for anxious patients. ZENTEC thermoplastic in 3.2 mm provides a highly conforming mask with increased rigidity. In side-by-side comparisons to CIVCO's 3.2 mm white thermoplastic masks, ZENTEC 3.2 mm is significantly stronger. That makes ZENTEC 3.2 mm CIVCO's strongest continuous frame mask!

	Part Number	Description	Thickness
	MTAPUID1824VT	ZENTEC IMRT Style 18, Head Only	2.4 mm
	MTAPUID1832VT	ZENTEC IMRT Style 18, Head Only	3.2 mm
	MTAPSID2724VT	ZENTEC IMRT Style 27, Head Neck & Shoulders	2.4 mm
	MTAPSID2732VT	ZENTEC IMRT Style 27, Head Neck & Shoulders	3.2 mm

Type-S™ Patient Positioning System

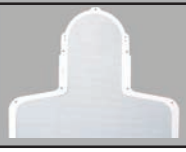
IMRT Reinforced Masks™

IMRT Reinforced Thermoplastics feature a combination of perforated and solid thermoplastics to provide rigidity and secure immobilization for IMRT treatments.

	Part Number	Description	Thickness
	MTAPUID1824	IMRT Style 18, Head Only	2.4 mm
	MTAPUID1832	IMRT Style 18, Head Only	3.2 mm
Shown with Neck Relief	MTAPSID2724	IMRT Style 27, Head Neck & Shoulders	2.4 mm
	MTAPSID2732	IMRT Style 27, Head Neck & Shoulders	3.2 mm
	MTAPSID27NR24	IMRT Style 27, Head Neck & Shoulders with Neck Relief	2.4 mm
	MTAPSID27NR32	IMRT Style 27, Head Neck & Shoulders with Neck Relief	3.2 mm

Standard Perforation Masks

These thermoplastics feature standard perforation and are available in a variety of lengths and thicknesses.

	Part Number	Description	Thickness
	MTAPUD2.4	Standard Perforation, Head Only	2.4 mm
	MTAPUD	Standard Perforation, Head Only	3.2 mm
	MTAPSD2.4	Standard Perforation, Head Neck & Shoulders	2.4 mm
	MTAPSD3.2	Standard Perforation, Head Neck & Shoulders	3.2 mm

Solid (non-perforated) Masks

A solid sheet of thermoplastic with perforated nose region for a rigid mask with breathability.

	Part Number	Description	Thickness
	MTAPUD002	Solid w/ Perf. Nose, Head Only	2.4 mm
	MTAPSD001	Solid w/ Perf. Nose, Head Neck & Shoulders	2.4 mm

Pediatric Masks

Narrower, reloadable thermoplastic frame and sheets are available to accommodate pediatric patients.

	Part Number	Description	Thickness
	20CFHNPSUB1P	Reloadable Frame for Pediatric Masks	n/a
	MTAPSP2.4	Reloadable Pediatric Std Perforation, Head Neck & Shoulders	2.4 mm

Type-S™ Patient Positioning System

Additional Type-S Masks*

Part Number	Description	Thickness
MTAPUID181232	IMRT Style 18, Head Only, 12" Extended	3.2 mm
MTAPUID181432	IMRT Style 18, Head Only, 14" Extended	3.2 mm
MTAPUID2024	IMRT Style 20, Head Only	2.4 mm
MTAPUID2032	IMRT Style 20, Head Only	3.2 mm
MTAPUID2232	IMRT Style 22, Head Only	3.2 mm
MTAPSID2924	IMRT Style 29, Head Neck & Shoulders	2.4 mm
MTAPSID2932	IMRT Style 29, Neck Relief, Head Neck & Shoulders	3.2 mm
MTAPSID29NR24	IMRT Style 29, Neck Relief, Head Neck & Shoulders	2.4 mm
MTAPSID29NR32	IMRT Style 29, Neck Relief, Head Neck & Shoulders	3.2 mm
MTAPUD1224	Standard Perforation, Head Only, 12" Extended	2.4 mm
MTAPUD1424	Standard Perforation, Head Only, 14" Extended	2.4 mm
MTAPUR	Reloadable Standard Perforation, Head Only	3.2 mm
MTAPUR122.4	Reloadable Standard Perforation, Head Only, 12" Extended	2.4 mm
MTAPUR142.4	Reloadable Standard Perforation, Head Only, 14" Extended	2.4 mm
MTAPUR2.4	Reloadable Standard Perforation, Head Only	2.4 mm
MTAPS2.4	Reloadable Standard Perforation, Head Neck & Shoulders	2.4 mm
MTAPS3.2	Reloadable Standard Perforation, Head Neck & Shoulders	3.2 mm
MTAPUIR1832	Reloadable IMRT Style 18, Head Only	3.2 mm
MTAPUIR2032	Reloadable IMRT Style 20, Head Only	3.2 mm
MTAPUIR2232	Reloadable IMRT Style 22, Head Only	3.2 mm
MTAPSI2724	Reloadable IMRT Style 27, Head Neck & Shoulders	2.4 mm
MTAPSI2732	Reloadable IMRT Style 27, Head Neck & Shoulders	3.2 mm
MTAPSI2932	Reloadable IMRT Style 29, Head Neck & Shoulders	3.2 mm
MTAPSI29NR32	Reloadable IMRT Style 29, Head Neck & Shoulders w/ Neck Rel.	3.2 mm

*Lead times for these masks vary; contact your CIVCO representative.

Miscellaneous Thermoplastic

Miscellaneous thermoplastic configurations are available for your convenience.

Thermoplastic Strip 1.375 x 24" (3.5 x 70cm)	MTAPS18391
Thermoplastic Strip 1.375 x 9.75" (3.5 x 25cm)	MTAPS25
Thermoplastic Strip 1.375 x 13.75" (3.5 x 35cm)	MTAPS35
Thermoplastic Pellets - 3lbs (1.36kg)	MTAPS3A

All Type-S Thermoplastics are sold in packages of 5.
See page 49 for waterbath options.

MRI Compatible

All disposable thermoplastics are MRI compatible (reloadable carbon fiber frames are not MRI compatible).

Type-S Headrests - see pages 42-46

Posifix® Patient Positioning System

The Posifix system works with the Posicast® line of thermoplastics and the trUpoint ARCH™ SRS/SRT System. Posicast and Mastercast™ Pro thermoplastics are designed to drape over the patient, offering a very conformal fit. A wide variety of Posifix headrests are designed specifically for this system, along with the Individual Head Support.

Posifix Extensions

Universal Couchtop™ Long Extension

The Universal Couchtop Long Extension self-locks onto the couchtop, allowing the thermoplastic to natively connect to the couchtop (see page 8 for more info on the long extension).

UCT LE Posifix Extension-SRS *trUpoint ARCH compatible	MTIL6668
UCT LE Posifix Extension	MTIL6666

Universal Couchtop Standard Extension

The Universal Couchtop Standard Extension self-locks onto the couchtop, allowing the thermoplastic to natively connect to the couchtop (see pages 9-10 for more info on the standard extension).

UCT SE Posifix Extension	MTIL6608

Varian Style Extension

The Varian Style Extension hooks easily on the superior end of the Varian style endplate. Like the UCT extensions, this extension allows for 360* treatment of the head and neck with minimal attenuation.

IMRT SRS Extension *trUpoint ARCH compatible (shown)	108020
IMRT Baseplate compatible with Varian Exact	108010

Posifix® Patient Positioning System

Posifix Baseplates

iBEAM® Overlay Adapter

Created for the Medical Intelligence iBEAM and iBEAM EVO couchtops. The overlay is cantilevered, providing minimal attenuation in the area of treatment.

iBEAM Overlay Adapter, Posifix *trUpoint ARCH compatible	108070

Head, Neck & Shoulders Baseplates

Carbon fiber or Acrylic Posifix baseplates for head, neck and shoulder fixation.

Posifix-2 Baseplate - Carbon Fiber	102021

Posifix-1 Baseplate - Acrylic *trUpoint ARCH compatible	101019

Head-Only Baseplates

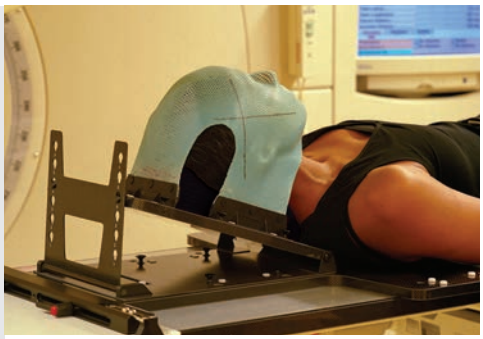
Carbon fiber or Acrylic Posifix baseplates for head-only fixation.

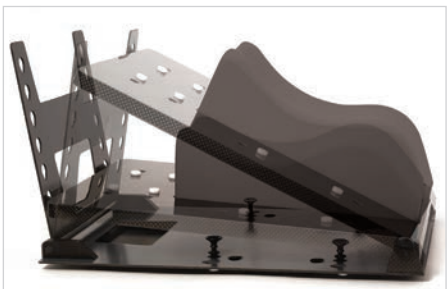
Posifix-4 Baseplate - Carbon Fiber	104021

Posifix-5 Acrylic Baseplate	105021

Positilt™

The Positilt is a tilting baseplate made of low density foam covered with ultra-thin layers of carbon fiber. The Positilt enables the head to be positioned at six angles towards the couchtop plane. The Positilt can be easily attached to all Posifix baseplates, including the IMRT Baseplates.





Positilt	107020

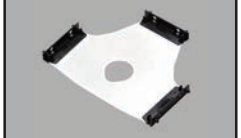
Posifix® Patient Positioning System

Mastercast™ Pro and Posicast® Thermoplastics

Mastercast Pro and Posicast thermoplastics provide excellent positioning and reproducibility during treatment and they do not stick to skin or hair. Posicast is a drape-style material requiring less stretching, therefore resulting in minimal shrinkage after cooling.

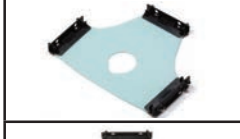
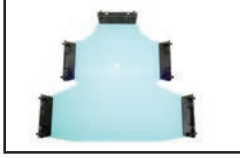
Mastercast Pro

Mastercast Pro is the premier thermoplastic for CIVCO's Posifix family of positioning and immobilization products. The chemical formulation of this new material retains the benefits of the Posifix® line while offering increased rigidity and reduced shrinkage.

	Part Number	Description	Thickness
	990030	Mastercast Pro PR3 Head-Only (3 pt)	2.3 mm
	990031	Mastercast Pro PR31 SRS (3-pt)	2.3 mm
	990145	Mastercast Pro PR5 Head, Neck & Shoulder (5-pt)	2.3 mm

Posicast-Lite

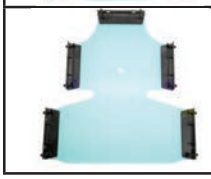
Posicast-Lite feels like a traditional thermoplastic with a smooth spray coating on both sides of the mask.

	Part Number	Description	Thickness
	772030	Posicast-Lite PR3 Head-Only (3 pt)	2.3 mm
	970031	Posicast-Lite PR31 SRS (3-pt)	2.3 mm
	772044	Posicast-Lite PR44 Larynx Extension (3-pt)	2.3 mm
	772145	Posicast-Lite PR5 Head, Neck & Shoulder (5-pt)	2.3 mm

Posifix® Patient Positioning System

Posicast-Plus

Posicast Plus has a soft polyurethane coating on the patient-contacting side for comfort, while the other side features a smooth spray coating to facilitate marking treatment fields on the mask.

	Part Number	Description	Thickness
	930030	Posicast-Plus PR3 Head-Only (3 pt)	2.3 mm
	930044	Posicast-Plus PR44 Larynx Extension (3-pt)	2.3 mm
	930145	Posicast-Plus PR5 Head, Neck & Shoulder (5-pt)	2.3 mm
	930033	Posicast-Plus PR33 Pediatric Head-Only (3 pt)	2.3 mm
	930055	Posicast-Plus PR55 Pediatric Head, Neck & Shoulder (5-pt)	2.3 mm

Additional Posicast Masks*

Part Number	Description	Thickness
940030	Posicast Multiperfo PR3 Head-Only (3 pt)	2.3 mm
940044	Posicast Multiperfo PR44 Larynx Extension (3-pt)	2.3 mm
940145	Posicast Multiperfo PR5 Head, Neck & Shoulder (5-pt)	2.3 mm
950030	Posicast Microperfo PR3 Head-Only (3 pt)	2.3 mm
950145	Posicast Microperfo PR5 Head, Neck & Shoulder (5-pt)	2.3 mm
900030	Reloadable Posicast Multiperfo PR3 Head-Only (3 pt)	2.3 mm
900145	Reloadable Posicast Multiperfo PR5 Head, Neck & Shoulder (5-pt)	2.3 mm
910030	Reloadable Posicast Microperfo PR3 Head-Only (3 pt)	2.3 mm
910044	Reloadable Posicast Microperfo PR44 Larynx Extension (3-pt)	2.3 mm
910145	Reloadable Posicast Microperfo PR5 Head, Neck & Shoulder (5-pt)	2.3 mm
920030	Reloadable Posicast-Plus PR3 Head-Only (3 pt)	2.3 mm
920033	Reloadable Posicast-Plus PR33 Pediatric Head-Only (3 pt)	2.3 mm
920044	Reloadable Posicast-Plus PR44 Larynx Extension (3-pt)	2.3 mm
920145	Reloadable Posicast-Plus PR5 Head, Neck & Shoulder (5-pt)	2.3 mm
770030	Reloadable Posicast-Lite PR3 Head-Only (3 pt)	2.3 mm
770033	Reloadable Posicast-Lite PR33 Pediatric Head-Only (3 pt)	2.3 mm
770044	Reloadable Posicast-Lite PR44 Larynx Extension (3-pt)	2.3 mm
770145	Reloadable Posicast-Lite PR5 Head, Neck & Shoulder (5-pt)	2.3 mm

*Lead times for these masks vary; contact your CIVCO representative.

Reusable L-Profiles

Reusable L-profile required for use with all Posicast precuts without L-profiles.

Reusable L-profiles, set of 10	622510

Posifix Plate

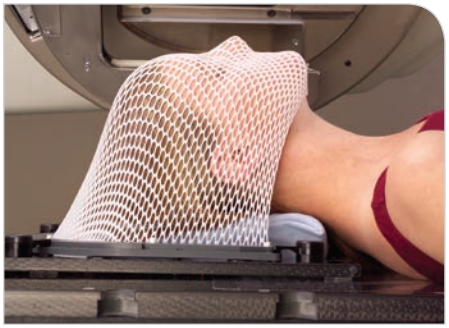
43 x 92cm Plate	622510

Posifix Headrests - see pages 42-46

All Posicast Thermoplastics are sold in packages of 10.
All disposable thermoplastics are MRI compatible.

Uni-frame® Patient Positioning System

The Uni-frame system is an industry standard solution for head-only thermoplastics. Uni-frame masks are available in a variety of standard and IMRT patterns, including the Tranquility Series masks and the highly conformal ZENTEC material.



Uni-frame Baseplates

Carbon Fiber Baseplate

Carbon Fiber Uni-frame Baseplate	MT20100CF

Acrylic Baseplate

Acrylic Uni-frame Baseplate	MT20100

Carbon Fiber Tilting Baseplate

Carbon Fiber Uni-frame Tilting Baseplate	MT20103CF

Acrylic Tilting Baseplate

Acrylic Uni-frame Tilting Baseplate	MT20104

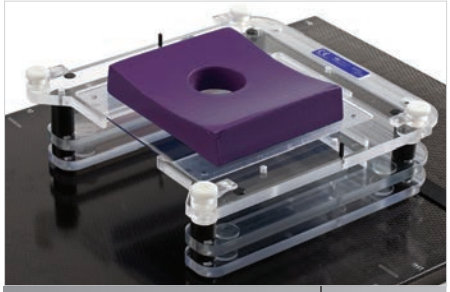
Prone Head Holder

The Prone Head Holder features gel chin and forehead pads. This accessory unit integrates with the acrylic standard supine baseplate (MT20100 - see above) or to the carbon fiber standard supine baseplate (MT20100CF - above) for patient fixation with a Uni-frame® thermoplastic mask.

Prone Head Holder	MT202

Lateral Baseplate

The Lateral Baseplate is specially padded for comfortable, reproducible lateral head & neck positioning. It accepts a special-width reloadable frame and thermoplastics and comes with a Lateral Head Cushion. Thermoplastics are sold in packages of 5.



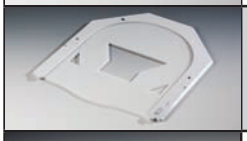
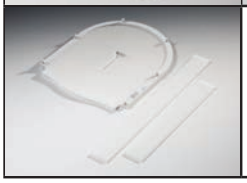
Lateral Baseplate (includes lateral head cushion & reloadable frame)	MTLTBP
Lateral Head Cushion	MTLTBPIAT
Reloadable Lateral Frame	MTLTBP2
Perforated 3.2mm Thermoplastic - Qty. 5	MTAPUL
Perforated 2.4mm Thermoplastic - Qty. 5	MTAPUL2.4

Uni-frame® Thermoplastics

Tranquility Series Masks

Tranquility Series Thermoplastic Masks were designed with patient comfort and 3D tracking in mind. The masks feature a unique open pattern, balanced with a traditional rigid mask design.

- **FreedomView™** - Pre-cut eye and mouth holes, increasing patient comfort and setup efficiency
- **ClearVision™** - Open face mask designed to use with vision/camera system
- **PureVision™** - Open face mask designed to use with vision/camera system; separate reinforcing thermoplastic strips included

	Part Number	Description	Thickness
	MTAPUI1832CL	FreedomView IMRT Style 18	3.2 mm
	MTAPUIR1832CL	FreedomView IMRT Style 18, Reloadable	3.2 mm
	MTVRTW	ClearVision, Wide	3.2 mm
	MTVRTR	PureVision, Reloadable	3.2 mm

ZENTEC™

ZENTEC thermoplastics require less heating time and produce a mask that more closely captures the contours of the patient, resulting in a comfortable cast of the patient. In the 2.4 mm thickness, these masks provide a lighter feeling, which offers a more pleasant experience for anxious patients.

ZENTEC shown in Type-S style

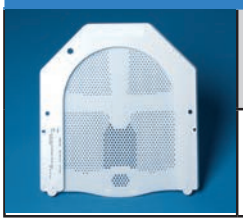
	Part Number	Description	Thickness
	MTAPUI1824VT	Zentec IMRT Reinforced Style 18	2.4 mm
	MTAPUIW1824VT	Zentec IMRT Reinforced Style 18, Wide	2.4 mm

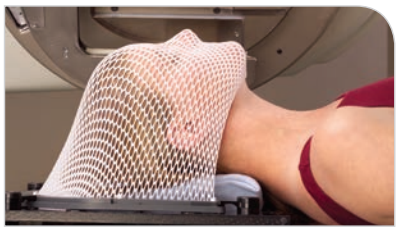
Uni-frame® Patient Positioning System

IMRT Reinforced Mask shown in Type-S style

IMRT Reinforced Masks™

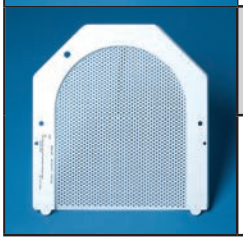
IMRT Reinforced Thermoplastics feature a combination of perforated and solid thermoplastics to provide rigidity and secure immobilization for IMRT treatments.

	Part Number	Description	Thickness
	MTAPUI1824	IMRT Reinforced Style 18	2.4 mm
	MTAPUI1832	IMRT Reinforced Style 18	3.2 mm



Standard Perforation Masks

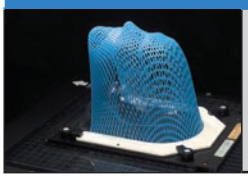
These thermoplastics feature standard perforation and are available in a variety of lengths and thicknesses.

	Part Number	Description	Thickness
	MTAPU2.4	Standard Perforation	2.4 mm
	MTAPU	Standard Perforation	3.2 mm
	MTAPUW2.4	Standard Perforation, Wide	2.4 mm
	MTAPUW	Standard Perforation, Wide	3.2 mm

Uni-frame® Patient Positioning System

Pediatric Masks

Colored Uni-frame thermoplastic masks are available in blue with standard perforation.

	Part Number	Description	Thickness
	MTAPUNB	Disposable Uni-frame Mask, 3.2mm thick	3.2 mm

Additional Uni-frame Masks*

Part Number	Description	Thickness
MTAPU1.6	Standard Perforation	1.6 mm
MTAPU122.4	Standard Perforation, 12" Extended	2.4 mm
MTAPU12	Standard Perforation, 12" Extended	3.2 mm
MTAPUW122.4	Standard Perforation, Wide, 12" Extended	2.4 mm
MTAPU142.4	Standard Perforation, 14" Extended	2.4 mm
MTAPU14	Standard Perforation, 14" Extended	3.2 mm
MTAPUI2024	IMRT Style 20	2.4 mm
MTAPUI2032	IMRT Style 20	3.2 mm
MTAPUI2232	IMRT Style 22	3.2 mm
MTAPUCP201	ComfortPerf Pattern	2.4 mm
MTAPUCP301	ComfortPerf Pattern	3.2 mm

*Lead times for these masks vary; contact your CIVCO representative.

Miscellaneous Thermoplastic

Miscellaneous thermoplastic configurations are available for your convenience.

Thermoplastic Strip 1.375 x 24" (3.5 x 70cm)	MTAPS18391
Thermoplastic Strip 1.375 x 9.75" (3.5 x 25cm)	MTAPS25
Thermoplastic Strip 1.375 x 13.75" (3.5 x 35cm)	MTAPS35
Thermoplastic Pellets - 3lbs (1.36kg)	MTAPS3A

All Uni-frame Thermoplastics are sold in packages of 5.
See page 49 for waterbath options.

MRI Compatible

All disposable thermoplastics are MRI compatible.

Uni-frame Headrests - see pages 42-46

Headrests

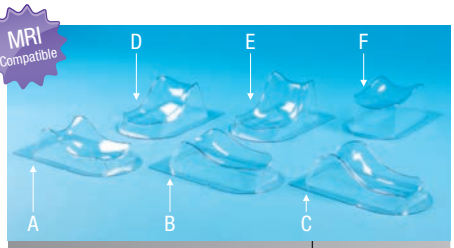
Headrests provide enhanced repositioning, accuracy and patient comfort. These headrests are compatible with CIVCO's three head & neck patient positioning systems directly or via an adapter. Contact your sales representative for more information on compatibility.

Silverman Headrests

With a Silverman, no transmission correction is necessary for most high-energy beams. Silverman headrests can be purchased individually or in sets of six with six various sizes.

Silverman headrest shape may vary. Compare with any existing Silverman Headrest to ensure that the proper fit is reproduced for treatment cycle.

Compatible with: Uni-frame® baseplates, Type-S™ Baseplates and all Wing Boards™.



Silverman - Set of 6	MTSILVER2
Silverman Headrest A	MTSILVER2A
Silverman Headrest B	MTSILVER2B
Silverman Headrest C	MTSILVER2C
Silverman Headrest D	MTSILVER2D
Silverman Headrest E	MTSILVER2E
Silverman Headrest F	MTSILVER2F

Extended Head Stop Headrests

The Extended Head Stop Headrests help encourage patients to return closer to the same position from treatment to treatment by providing a cranial stop as a reference for where to place their head.

Compatible with: Posifix®, Positilt™ & Posirest™ Baseplates and the C-Qual™ Breastboard. Compatible with Uni-frame Baseplates and the Variable Axis Baseplate via the Adapter Cushion 301016 (see page 44). Compatible with Type-S Baseplates and Wing Boards via the Posi-S Adapter (see page 44).

Extended Head Stop I, Large	301030
Extended Head Stop II, Medium	301032
Extended Head Stop III, Small	301033
Extended Head Stop - Set of 3	301034

Posifix® Supine Headrests

Posifix headrests are made of low density polyethylene foam.

From left to right:

- Cushion 1 – Positions the head in a natural position
- Cushion 2 – Positions the head with chin down toward the chest
- Cushion 3 – Positions the head in a slightly hyperextended position
- Cushion 4 – Positions the head in a greater hyperextended position than cushion 3
- Cushion 5 – Similar in hyperextended position to cushion 1 with a patient shift in the superior direction

Compatible with: Posifix, Positilt & Posirest Baseplates and the C-Qual Breastboard. Compatible with Uni-frame Baseplates and the Variable Axis Baseplate via the Adapter Cushion 301016 (see page 44). Compatible with Type-S Baseplates and Wing Boards via the Posi-S Adapter (see page 44).

Posifix Headrest - Set of 5	305000BLK
Posifix Supine Cushion 1	301002BLK
Posifix Supine Cushion 2	301005BLK
Posifix Supine Cushion 3	301003BLK
Posifix Supine Cushion 4	301004BLK
Posifix Supine Cushion 5	301001

Headrests

Posifix® Contoured Headrests

The Posifix Contoured Headrests are offered in the same curvature as the standard Posifix Supine Headrests and feature colored bottoms for easy identification. They are wider and higher and completely surround the back of the head, reducing lateral, longitudinal and rotational movement during setup and treatment.

From left to right:

- Cushion 1 (orange bottom) – Positions the head in a hyperextended position
- Cushion 2 (white bottom) – Positions the head with chin down toward the chest
- Cushion 3 (yellow bottom)– Positions the head in a natural position

Compatible with: Posifix, Positilt™ & Posirest™ Baseplates and the C-Qual™ Breastboard. Compatible with Uni-frame® Baseplates and the Variable Axis Baseplate via the Adapter Cushion 301016 (see page 44). Compatible with Type-S™ Baseplates and Wing Boards™ via the Posi-S Adapter (see page 44).

MRI Compatible

Contoured Headrests - Set of 3	301234
Contoured Headrests - orange bottom	301022
Contoured Headrests - yellow bottom	301023
Contoured Headrests - white bottom	301024

Posifix Wide Headrest

A Wide Headrest is available for use with breastboards.

Compatible with: C-Qual and Posiboard™-2 Breastboards, Posirest & Thorawedge.

MRI Compatible

Wide Headrest	301008

Posifix Prone Headrest

The Prone Headrest is specially designed for treatments with the patient in the prone position. The 3-D shaped contour supports chin and forehead and therefore assists in creating a reproducible and comfortable position.

Compatible with: Posifix, Positilt & Posirest Baseplates and the C-Qual Breastboard. Compatible with Uni-frame Baseplates and the Variable Axis Baseplate via the Adapter Cushion 301016 (see page 44). Compatible with Type-S Baseplates and Wing Boards via the Posi-S Adapter (see page 44).

MRI Compatible

Prone Headrest	301025

Posifix Pediatric Headrests

Pediatric headrests are designed for use with pediatric patients. A prone headrest and a supine headrest are each available in bright and glossy colors.

Supine Headrest - Compatible with all Posifix, Positilt and Posirest Baseplates and the C-Qual Breastboard. Compatible with Uni-frame Baseplates and the Variable Axis Baseplate via the Adapter Cushion (see below). Compatible with Type-S, baseplates and Wing Boards via the Posi-S Adapter (see below).

Prone Headrest - Compatible with all Posifix Baseplates as well as Uni-frame baseplates and the Variable Axis Baseplate using an adapter cushion 301016 or Posi-S Adapter (see page 44). Compatible with Type-S baseplates via the Posi-S Adapter (see page 44).

MRI Compatible

Pediatric Supine Headrest	301026
Pediatric Prone Headrest	301027

Headrests

Timo Headrests

Timo headrests are constructed of durable polyurethane foam with a washable coating. Six various heights and contours offer a comprehensive range of neck angulations. They are available plain or with Lexan plates for use with Uni-frame® baseplates.

Timo headrest shape may vary. Compare with any existing Timo Headrest to ensure that the proper fit is reproduced for treatment cycle.

Compatible with: Uni-frame® baseplates, Variable Axis Baseplate, all Wing Boards™. Also, the MT-350 Breastboard with a special adapter Plate.

Contact your account representative for more Timo options.

MRI Compatible

Timo - Set of 6	MTTIMO
Timo w/Lexan Plates - Set of 6	MTTIMOL
Timo Size A (red)	MTTIMOA
Timo Size B (green)	MTTIMOB
Timo Size C (blue)	MTTIMOC
Timo Size D (brown)	MTTIMOD
Timo Size E (yellow)	MTTIMOE
Timo Size F (gray)	MTTIMOF

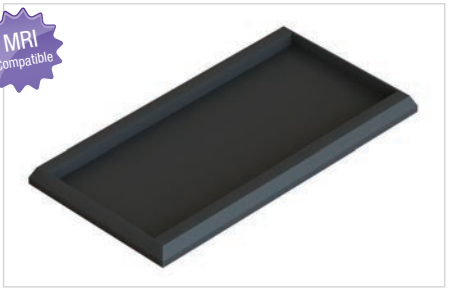
Adapters

Cushion Adapter

The use of headrests from the Posifix® line is not limited to use with the Posifix positioning system. An adapter cushion is available, enabling these headrests to fit other baseplates. The 301016 Cushion Adapter is compatible with all Uni-frame Baseplates and the Variable Axis Baseplate.

Contact your account representative to verify compatibility.

MRI Compatible



Cushion Adapter	301016

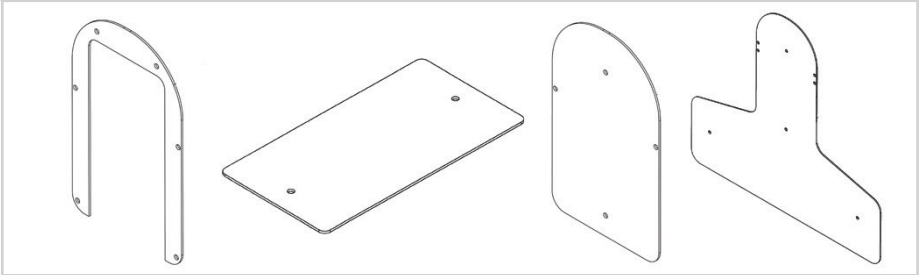
MRI Posi-S Adapter

The MRI Posi-S Adapter provides a solution for utilizing any Posifix headrest on Type-S™ Baseplates, the Variable Axis Baseplate, Uni-frame baseplates and Wing Boards. This adapter is made of acrylic.

MRI Posi-S Adapter	301029

Shims

CIVCO offers a variety of shims for use with our different headrests and systems.



Silverman | Timo | Type-S Head-Only | Type-S Head, Neck & Shoulders

Shim, Silverman	MTSHIMS
Shim, Timo	MTSHIMT
Shim, Type-S Head-Only	MTSHIM01
Shim, Type-S Head & Shoulders	MTSHIM01S

Custom Headrests

Customizable Head Support

The Customizable Head Support is a shell and cushion system. The shell may be used with any customizable cushion. The unique shape of the shell was designed to encourage the cushion to return the patient to a repeatable position from fraction to fraction.

- Allows more support under patient's neck for less superior-inferior movement (pitch)
- Provides enhanced comfort so patient is less likely to move during treatment
- Shell provides several unique contours to guide the cushion into the same position for each fraction
- Two small pins centered inside the shell provide fixed, repeatable points while preventing the cushion from moving
- Deep "bowl" shape provides a deeper head capture than using a cushion alone or standard head supports

Customizable Head Support, Posifix ®	CHS01
Customizable Head Support, Type-S™	CHS02
20 x 35 Chamfered AccuForm, 1/2 Fill	MTACL2035HF

AccuForm™ Cushions

AccuForm Cushions are ideal for high-precision head and neck treatments when enhanced comfort, stability and repositioning accuracy are key.

- Soft, cloth-covered pillow contains tiny beads coated in water-curable resin
- Cushion becomes pliable when sprayed with water, allowing formation around patient's contours, including custom pitch and rise
- Cushion forms a rigid, comfortable custom mold when dry
- Single patient use
- 15 x 20cm cushion recommended when customized fit is needed on a standard headrest
- 20 x 25cm, 20 x 45cm and Type-S cushions can be used as stand-alone cushions
- 20 x 35cm chamfered cushion features clipped cushion corners that provide support without interfering with the thermoplastic

AccuForm Positioner

An AccuForm Positioner is needed for indexing an AccuForm cushion to Uni-frame® and Type-S™ baseplates.

AccuForm Positioner	MTACL001

15 x 20cm AccuForm	MTACL1520
20 x 35cm Chamfered	MTACL2035
20 x 35cm Chamfered Half Fill	MTACL2035HF

20 x 25cm AccuForm	MTACL14242
20 x 45cm AccuForm	MTACL2045
40 x 60cm AccuForm	MTACL4060
60 x 60cm AccuForm	MTACL6060

Type-S AccuForm	MTACLTYPES1

Custom Headrests

Head & Neck Vac-Lok™ Cushions

MRI Compatible

Vac-Lok cushions provide comfortable support of the head and neck as well as the upper shoulders.

- Cushions form a rigid mold when deflated by vacuum
- Offers patient-specific conformity and is reusable
- Tiny polystyrene bead filling creates a more rigid formation when deflated by vacuum
- Available in a variety of shapes and sizes in two durable finishes: polyurethane or nylon
- Nylon Type-S™ cushion is available in two sizes and is indexable
- Vac-Lok Cushions are MR Conditional – *Cushions pose no known hazards in 1.5T and 3.0T MR environments. Locate valve away from region of interest to prevent image artifacts.*

See pages 71-72 for more information on Vac-Lok cushions.

50 x 70cm "T" Vac-Lok Cushion	MTVL37

Type-S Vac-Lok Cushion (short)	MTVLTYS01CX
Type-S Long Vac-Lok Cushion (long)	MTVLTYS02CX

Individual Head Support

The Individual Head Support provides customized head and neck positioning during radiation therapy treatment and diagnostic procedures. This head support assists in maximizing fixation, stability and comfort while minimizing longitudinal, lateral and rotational movement of the patient.

- Made from a specially shaped impression foam combined with fabric-coated thermoplastic
- Gives clinicians the power to customize position and support to each patient
- Can be used with traditional thermoplastic masks, as well as more rigid head frames to deliver stereotactic radiation therapy and radiosurgery
- Available for use with the Type-S™ or Posifix® baseplates
- Available in both normal or hyperextension shapes for Posifix system

Individual Head Support, Type-S Normal	MTIHS03

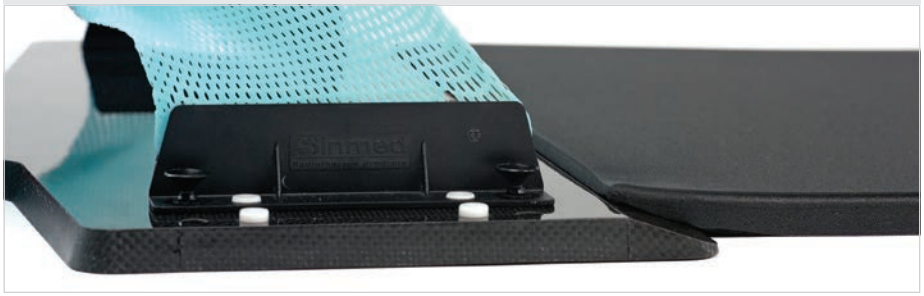
Individual Head Support, Posifix Normal	MTIHS01
Individual Head Support, Posifix, Hyperextension	MTIHS02

Positioning Accessories

Couchtop Cover

This cover is a comfortable elevation mat that matches the slope of the Posifix® or Posirest™ Baseplate for comfortable transition.

- Cover is same thickness as the Posifix and Posirest baseplates
- Available in 120 and 46cm lengths



MRI Compatible

120 x 46cm Cover	301090
46 x 46cm Cover	301091

Shoulder Retractor

The Shoulder Retractor is often used with thermoplastic-based fixation systems. Retraction is especially beneficial for shoulder clearance when opposing lateral fields are used to treat the neck.

- Constructed of durable plastic with a large footboard and nylon tension ropes with ball-in-socket locking, allowing for selectable tension in 1/2" increments
- Available with Handle Grips, Sherpa Wrist Loops or washable Nylon Wrist Loops

Retractor with Handle Grip (shown)	MTSR01
Retractor with Sherpa Wrist Loops	MTSR02
Retractor with Sherpa & Nylon Wrist Loops	MTSR03

Thermoplastic Accessories

Precise Bite™

The Precise Bite attaches easily to a thermoplastic cast and conforms to the teeth and/or maxilla, decreasing head and neck rotation, flexion and extension. The Precise Bite with tongue depressor assists in tongue displacement and provides an airway opening for easy breathing.

- Softens in warm water and comfortably conforms to the patient's dental contours
- Precise Bite docking plate simply snaps on top to secure the bite to the thermoplastic mask
- Compatible with Uni-frame®, Type-S™ and Posicast® thermoplastics
- Precise Bite Warmer softens Precise Bite without a microwave or water bath

Precise Bite Standard, Qty. 5	MTCBPBITE
Precise Bite Small, Qty. 5	MTCBPBITES
Precise Bite with Tongue Depressor, Qty. 5	MTCBPBITETD
Precise Bite Small with Tongue Depressor, Qty. 5	MTCBPBITETDS

Warmer, 110 volt	MTCBPBITEWRM

This product has not been CE marked. Available in 110 volt only.

Miscellaneous Thermoplastic

Miscellaneous thermoplastic configurations are available for your convenience.

Thermoplastic Strip 1.375 x 9.75" (3.5 x 25cm)	MTAPS25
Thermoplastic Strip 1.375 x 13.75" (3.5 x 35cm)	MTAPS35
Thermoplastic Pellets - 3lbs (1.36kg)	MTAPS3A

Water Baths

Digital Water Bath

The water bath accommodates all thermoplastic sizes including Type-S™ head, neck and shoulders and HipFix® thermoplastics.

Contact your sales representative for dimension specifications and country compatibility.

Water Bath, Digital, 110 volt	MTCD1600
Water Bath, Digital, 220 volt	MTCD1600EX

Water Bath

The water bath accommodates all thermoplastic sizes including Type-S head, neck and shoulders and HipFix thermoplastics.

Contact your sales representative for dimension specifications and country compatibility.

Water Bath, 120 volt	MTRH1500
Water Bath, 230 volt	MTRH1500EX

Commercial Water Bath

The commercial water bath accommodates Uni-frame®, Type-S head-only masks and Posicast head-only masks.

Contact your sales representative for dimension specifications and country compatibility.

Commercial Water Bath, 120 volt	MTAPWW3V
Commercial Water Bath, 230 volt	MTAPWW3VEX

Water Bath Cart

The Water Bath Cart provides an easy, efficient way to transfer a water bath from room to room. The cart measures 25.5 x 43 x 38" (64.8 x 109.2 x 96.5cm) (W x D x H - height includes handle) and has a load capacity of 500 lbs.

Water Bath Cart	MTMC01003

Pan Liner

The pan liner helps prevent thermoplastics from sticking to the bottom of the water bath.

Pan Liner, Large, Qty. 2	MTCBPLLG

Storage Systems

Two-Pin Baseplate Storage

Compatible with:

- Two-pin Posifix and Posirest baseplates
- Most other two-pin ready baseplates including Type-S™ Overlay

Verify compatibility with your account representative

Two-Pin Baseplate Storage | 013159

IMRT Posifix Extension Storage

Compatible with:

- 108010 IMRT Posifix Extension
- 108020 IMRT SRS Extension

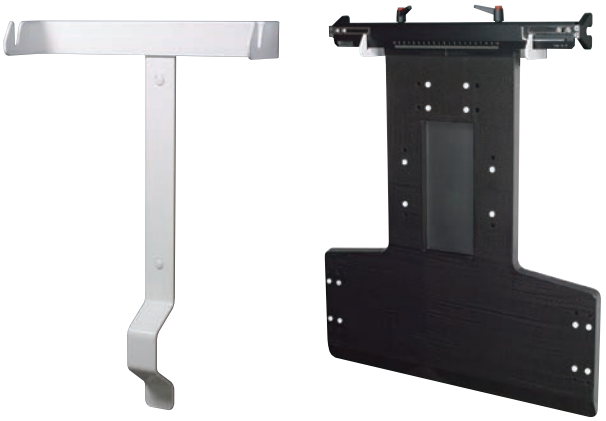
See page 34 for more information on IMRT Posifix Extensions.

Posifix IMRT Baseplate Storage | 013106

Posifix® & Posirest™ Baseplate Storage

Compatible with:

- Posifix and Posirest baseplates with attached aluminum rails



Posifix Baseplate Storage | 013101

Headrest Storage

Convenient wall rack for storing headrests
Compatible with:

- Posifix headrests and wedges
- Silverman
- Timo

Headrest Storage | 013107

Breast & Thorax Positioning

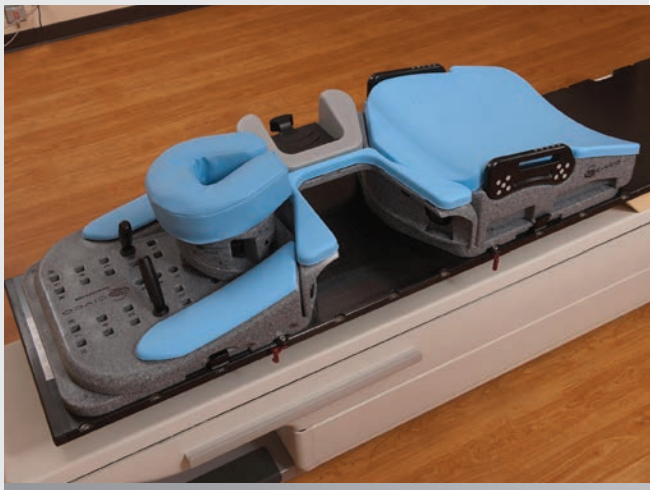
The Importance

Patient positioning and immobilization for treatment of the thorax, abdomen and breast range from simple positioning devices to mechanical, raised arm systems - all designed to improve accuracy, reproducibility and patient comfort.

Why CIVCO Breast & Thorax Positioning

CIVCO's breast and thorax solutions include prone and supine breastboards and Wing Boards. All breast and thorax positioning products are designed to provide repeatable patient positioning and superior patient comfort. CIVCO's New Horizon Prone Breastboard is CT and MRI compatible, making it easy to go from simulation to planning to treatment. All of our breast and thorax solutions are easy for clinicians to implement and provide patients with a comfortable treatment experience.

C-Qual™ Breastboard



New Horizon™ Prone Breastboard

Wing Board™

Breastboard Decision Guide

	C-Qual™	MT-350	Posiboard™-2	Thorawedge
Recommended Breast Treatments	IMRT, IGRT, 3D-CRT	IMRT, IGRT, 3D-CRT	IMRT, 3D-CRT	Conformal, 3D-CRT
Elevation Angle Options	5, 7.5, 10, 12.5, 15, 17.5, 20, 22.5 & 25°	2.5, 5, 7.5, 10, 12.5, 15, 17.5, 20 & 25°	5, 7.5, 10, 12.5, 15, 20, 22.5 & 25°	5, 10, 15° additional 5 or 10° wedges available
Arm Support Options	• C-Qual Advanced Arm Supports	• Bi-Axial Arm & Wrist Support System • Delrin Hand Grips • Wing Boards	• Height Adjustable Arm Supports • Rigid Adjustable Arm Supports • Cranial Arm Support	• Comfortable Foam Arm Rest
Headrest Options	• Wide Headrest • Posifix® Supine Headrests • Contoured Headrests	• Round Head Cup • Gel Head Cup • Timo Headrests	• Wide Headrest • Posifix Supine Headrests • Contoured Headrests	• Wide Headrest • Posifix Supine Headrests • Contoured Headrests
Thermoplastic Options	• Standard & IMRT Breast Thermoplastics • Head & Neck Posicast Thermoplastics (PR33, PR3 & PR44)	• Standard & IMRT Breast Thermoplastics	• Head & Neck Posicast Thermoplastics (PR33, PR3 & PR44)	N/A

C-Qual Breastboard

MT-350 Breastboard

Posiboard-2 Breastboard

Thorawedge

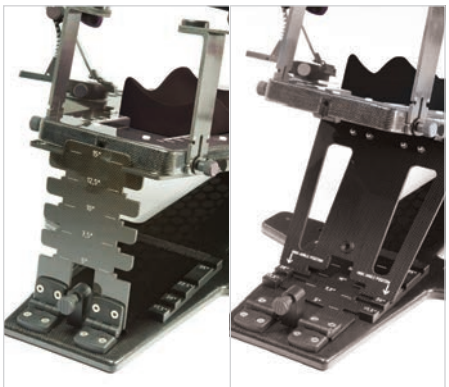
C-Qual™ Breastboard

The C-Qual is a revolutionary breastboard, combining the latest in IGRT-enabling design with an enhanced emphasis on patient comfort. Designed with both the clinician and patient in mind, the C-Qual's advanced features bring new efficiencies to breast setup and treatment.

C-Qual Breastboard | MT400

Features

- "Sure-Set" elevation supports secure angles from 5 to 25˚ in nine steps
- Low-attenuating IGRT treatment zone
- Advanced arm supports, with no interference in the supraclavicular region
- Docking for head & neck Posicast® thermoplastics (for COPD patients)
- Indexable for efficient, accurate setup
- Comes with a special wide headrest (see page 43)
- Compatible with breast support thermoplastic (see page 59)
- Light board makes for easy handling



Sure-Set elevation supports angles from 5 to 25˚ in nine steps.

C-Qual Storage | 013156

The C-Qual is compatible with PR33, PR3 and PR44 head & neck Posicast thermoplastics; see pages 36-37 for more information.

See pages 42-44 for information on compatible headrests.

MT-350 Breastboard

The MT-350 sets the clinical standard, combining reproducible breast positioning with efficient, comfortable patient setups. Lightweight carbon fiber construction provides repeatable support and ease-of-use.

See page 59 for compatible breast support thermoplastics.

MT-350 Carbon Fiber Breastboard (includes round head cup and hip stop) ***Gel Head Cup and Arm and Wrist Supports sold separately.*** | MT350N

Features

- Light weight and 'treatment field friendly'
- Grid treatment panels for rigid support for the bi-lateral treatment windows
- Positive locking system offering angles in 2.5˚ increments from 0 to 20˚ and an angle of 25˚
- Indexable hip stop preventing patients from sliding
- CT Compatible
- Wide variety of arm supports and headrests
- Compatible with Standard, Extended and Tapered Wing Boards™ (see page 58)

MT-350 Wall Storage Device | MT350WSD

MT-350 Breastboard

Accessories

Round Head Cup

The vinyl covered foam round head cup comes standard on the MT-350 Breastboard. It indexes to any of the numbered positions on the top of the breastboards.

Round Head Cup	MT250SUB4

Gel Head Cup

The doughnut-shaped gel head cup provides enhanced patient comfort. It features a baseplate that indexes to any of the numbered positions on the top of the breastboards.

Gel Head Cup	MT250SUB5

Timo Headrests

Timo Headrests are constructed of durable polyurethane foam with a washable coating. Three various heights and contours offer a range of neck angulations. An adapter is available to provide compatibility with the MT-350 (see page 44 for more information on Timo Headrests).

Adapter Plate Only	MT350400

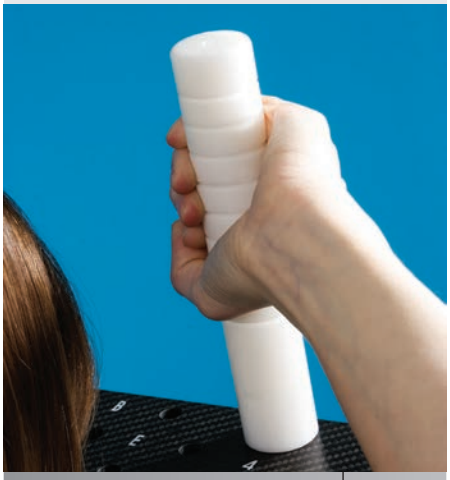
Bi-Axial Arm Support System™

The Bi-Axial Arm Support System includes both an arm and wrist support for comfortable and reproducible positioning for the upper and lower arm. The padded supports index to a variety of reproducible positions.

Right Arm Support	MTTASR
Left Arm Support	MTTASL
Wrist Support	MTTWSS

Delrin Hand Grips

Delrin Hand Grips provide an affordable option for quick patient setups for overhead arm positioning.



Delrin Hand Grips	MT2504

Wing Boards™

The Extended, Standard and Tapered Wing Boards can be mounted to the MT-350 Breastboard for additional arm support. See page 58 for more information on Wing Boards.

Posiboard™-2 Breastboard

The Posiboard-2 Breastboard is a complete solution for the positioning of breast patients.

Posiboard-2 Breastboard (includes a wide headrest, cranial arm support, 2 - rigid adjustable arm supports (106015) and couchtop fixation)	109030
Posiboard Storage Holder	013165

Features

- Low density foam core allows beam to pass through at any angle with minimal attenuation
- Can be positioned at eight angles, accommodates several adjustable arm support options
- Wall-mount plate available for wall storage

Thorawedge

The Thorawedge is a unique positioning device allowing the patient to incline at multiple fixed angles, creating a comfortable position during diagnostic procedures.

The Thorawedge was co-developed with the Department of Radiotherapy of the University Medical Center in Utrecht, The Netherlands.

Thorawedge	301080
Additional 5˚ Wedge	301081
Additional 10˚ Wedge	301082

Features

- Consists of two wedges (5 and 10˚) and a comfortable arm support
- Wedges can be used separately or combined to reach a 15˚ angle. Additional 5˚ wedges can be added to form 20 and 25˚ angles.
- When combined, parts are integrated with positioning notches
- Arms are positioned above the head for an easy fit through the CT aperture
- Headrest and lumbar support can be indexed, assuring a reproducible patient position throughout the course of treatment
- Large side cut-outs allow for a full range of treatment angles

Posirest™-2

The Posirest-2 Arm Support is designed to create proper and comfortable upper extremity positioning.

Posirest-2 (includes: Posirest Carbon Fiber Baseplate, Wide Headrest, High Arm Support, Cranial Arm Support and 2 Rigid Adjustable Arm Supports)	106521
Posirest-2 Large Cups (includes: Posirest Carbon Fiber Baseplate, Wide Headrest, High Arm Support, Cranial Arm Support and 2 Rigid Adjustable Arm Supports with Large Arm Cups)	106522

Features

- Carbon fiber baseplate with comfortable headrest
- Two arm position options: Above the head with a high arm support or cranially with the cranial arm holder combined with two upper arm supports
- Arm supports can be adjusted in several positions and are fitted with comfortable padding

Posiboard™-2 and Posirest-2 Accessories

Rigid Adjustable Arm Support

The Rigid Adjustable Arm Support has a fixed height that is perfect for use with the cranial arm support. Because it is made of carbon fiber and has no hinges, it is extremely rigid and supports the arms of heavy patients. The comfortable padded arm cup is rotatable and it supports the upper arm regardless of which of the five different angle settings is used. For larger patients, this arm support is available with a large arm cup.

Rigid Adjustable Arm Support (2)	106015
Rigid Adjustable Arm Support Large (2) (not included with part number 109030)	106047

Height Adjustable Arm Support

The Height Adjustable Arm Support features a rotatable arm cup and three indexable height options for added patient comfort.

Height Adjustable Arm Support (2)	106016

Not included with part number 109030.

Cranial Arm Support

A comfortable position of the forearms is achieved with a cranial arm support. It can be combined with the Rigid Adjustable Upper Arm Support to provide a complete arm support system.

Cranial Arm Support	106017

Wide Headrest

Both the C-Qual™ and Posiboard™-2 Breastboards come with a special, wide headrest.

Wide Headrest	301008

Wing Boards™

Standard Wing Board

The Standard Wing Board is 22.5" (57cm) wide, constructed of durable, lightweight ABS and features Delrin post hand grips. It is CT compatible and indexable for enhanced reproducibility from imaging through treatment. ***It easily attaches to the MT-350 breastboard.***

Standard Wing Board	MTWB09

Tapered Wing Board

The Tapered Wing Board is 22" (55.9cm) wide and has angled wings providing patient comfort and support. Its narrow profile is ideal for CT and PET bores. It is available with a T- or U-Grip Handle. ***It easily attaches to the MT-350 breastboard.***

Tapered Wing Board w/T-Grip	MTWB10T
Tapered Wing Board w/U-Grip (shown)	MTWB10U

Additional Grip Options

Both the T-Grip and the U-Grip are available individually. Compatible with the Extended and Tapered Wing Boards.

T-Grip	MTGBSUB1
U-Grip	MTGBSUB3

Extended Wing Board

The Extended Wing Board is 22.5" (57cm) wide, constructed of durable, lightweight ABS and can be used with a T- or U-Grip handle. Its extended length allows for additional arm positioning flexibility. It is CT compatible and indexable for enhanced reproducibility from imaging through treatment. ***It easily attaches to the MT-350 breastboard.***

Extended Wing Board w/T-Grip (top)	MTWB08T
Extended Wing Board w/U-Grip (bottom)	MTWB08U

Breast Support Thermoplastic

Thermoplastic breast positioning is primarily intended to hold the breast up and away from the chest wall, reducing both skin folds and unwanted radiation dose into the patient's lung and heart. Breast Support Thermoplastic assists in repositioning the breast for treatment.

How do breast thermoplastic systems compare to a treatment brassiere?

Breast thermoplastics help lift and custom-shape the affected breast up off the chest wall, reducing skin reaction and unwanted radiation dose to the patient's lung. The treatment brassiere positions the breast similarly, but is not a custom fit and is not affixed in a reproducible point to the breastboard.

Standard Thermoplastic

These thermoplastics for breast positioning require two reusable handles that mount to the ***MT-350 and C-Qual Breastboards.*** They are available in Standard Perforated and IMRT Reinforced perforation styles.

Perforation Type	Thickness	Part Number
Standard Perforated - White, Qty. 1	2.4mm	MTRFX9182.4
Standard Perforated - White, Qty. 1	3.2mm	MTRFX918
IMRT Reinforced Thermoplastic - White, Qty. 1	2.4mm	MTRFI9182.4
IMRT Reinforced Thermoplastic - White, Qty. 1	3.2mm	MTRFI918
Breast Support Handle System, Qty. 2	-	MTRFH3

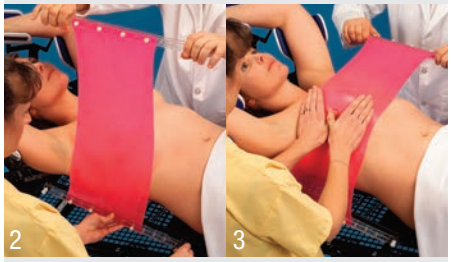
Tips for Daily Breast Repositioning with Thermoplastics

Method A
With the patient in treatment position on the breastboard, tape the breast into the original treatment position. Attach the thermoplastic handle to the breastboard on the affected side, then bring the sheet up and around the breast, taking time to carefully shape the breast back into position. Attach the opposite handle to the breastboard.

Method B
Ask the patient to stand beside the table and lean forward. In this position, use the thermoplastic cast to "capture" the breasts. Lay the patient onto the breastboard, holding the cast in place around the chest. Attach the thermoplastic handles to the breastboard, repositioning breasts as needed.

Step-by-Step

1. Soften thermoplastic in the water bath as instructed in the instructions for use.



2. Starting with the affected side, attach one handle of the softened thermoplastic to the breastboard as your assistant pulls the opposite handle to the other side.

3. Stretch the thermoplastic over the patient, using both hands to cup the breast, shaping it into the desired treatment position.

4. Attach the second thermoplastic handle to the breastboard. Continue to mold the thermoplastic around the affected breast, taking care to form the sheet to the sternum.

5. Use the thermoplastic to compress the contralateral breast out of the treatment field.

6. Allow the thermoplastic to cool completely. For additional repositioning, outline the areola mammae of the affected breast onto the thermoplastic sheet.

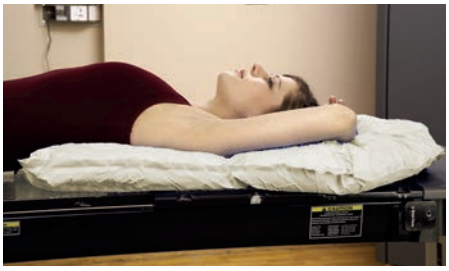
Note: Pink thermoplastic is no longer available.

Breast & Thorax Vac-Lok™ Cushions

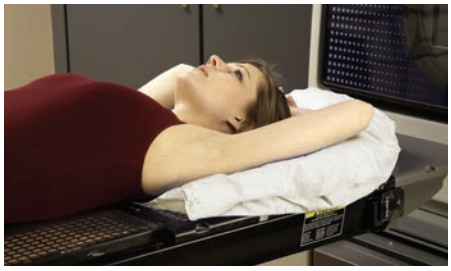
MRI Compatible

Vac-Lok cushions form a custom mold of a patient's anatomical contours and can easily be reinflated and remolded. Cushions are available in two durable finishes: urethane and nylon. Nylon cushions are reinforced and can be ordered with indexing bars attached. Vac-Lok Cushions are MR Conditional – *Cushions pose no known hazards in 1.5T and 3.0T MR environments. Locate valve away from region of interest to prevent image artifacts.*

See pages 71-72 for more information on Vac-Lok cushions.

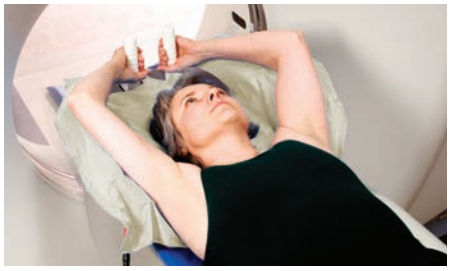


Arms up, 105cm long - Urethane	MTVLARM02
Arms up, 105cm long - Nylon	MTVLARM02C
Arms up, 105cm long - Nylon w/ indexing	MTVLARM02FC

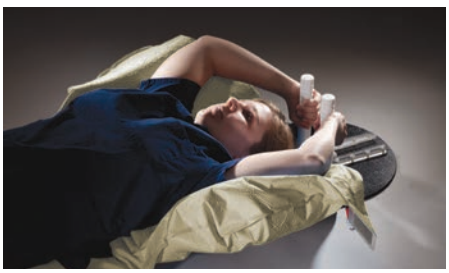


Arms up, 75cm long - Urethane	MTVLARM01
Arms up, 75cm long - Nylon	MTVLARM01C
Arms up, 75cm long - Nylon w/ indexing	MTVLARM01FC

MTVLARM01FC is a special order product, contact your account representative for lead time.



Wing Board Cushion - Urethane	MTVLWGB03
Wing Board Cushion - Nylon	MTVLWGB03C



T-Shape Cushion - Nylon	MTVL0017

One Arm Up - Urethane	MTVL04
One Arm Up - Nylon	MTVL04C

Breastboard Cushion - Nylon	MTVLBRB01C

This is a special order product; contact your account representative for lead time.

Breast Accessories

Treatment Brassiere

The Treatment Brassiere positions the ipsilateral breast into a reproducible shape while moving the contralateral breast away from the beam. A complete library of 40 brassiere cups is available, with or without a portable storage caddy. Also available individually or in sets of five.

Treatment Brassieres are available for both the left and right breast. Intermediate volumes can be accommodated because the anterior portions of cups are cut off and tissues near the apex protrude. See chart at left for sizing guide. Left and right cups are not interchangeable.

Clothing Cup Size	Observed Volume
A	94-225 mL
B	146-458 mL
C	267-835 mL
D	499-1120 mL
DD	988-1427+ mL
DDD	2756-3176mL

40-cup Brassiere Library with Caddy	MTBR100TBC
Small Group - Left Brassiere (includes 200, 300, 400, 500 & 600 mL cups)	MTBR100SL
Small Group - Right Brassiere (includes 200, 300, 400, 500 & 600 mL cups)	MTBR100SR
Medium Group - Left Brassiere (includes 250, 500, 750, 1000 & 1250 mL cups)	MTBR100ML
Medium Group - Right Brassiere (includes 250, 500, 750, 1000 & 1250 mL cups)	MTBR100MR
Large Group - Left Brassiere (includes 500, 750, 1000, 1250 & 1500 mL cups)	MTBR100LL
Large Group - Right Brassiere (includes 500, 750, 1000, 1250 & 1500 mL cups)	MTBR100LR
Extra Large Group - Left Brassiere (includes 1000, 1500, 2000, 2500 & 3000 mL cups)	MTBR100XLL
Extra Large Group - Right Brassiere (includes 1000, 1500, 2000, 2500 & 3000 mL cups)	MTBR100XLR
These products have not been CE marked.	

Individual cups can be ordered by using the group number plus the volume number. Ex: MTBR100LL500

New Horizon™ Prone Breastboard

CIVCO's New Horizon Prone Breastboard assists in providing comfortable, reproducible patient positioning for prone breast treatments. The modular design and variety of accessories for the New Horizon allow you to customize your patient setups, including overall height adjustments.

New Horizon Prone Breastboard | MTHPBB01

Patient Handles (included with MTHPBB01)

Contralateral Wedge with Movable Tray (included with MTHPBB01)

Head Cushion Covers (Qty. 50) | MTHPBB103

New Horizon with SBRT Bridge and Clam-Lok Cushion (Optional feature, not included)

Features

Customizable

- Overall height can be adjusted through the use of 3cm spacers
- Different-sized contralateral wedges are available to accommodate a variety of patients
- Individual handgrips allow for asymmetrical arm positioning for women with limited mobility

Comfortable

- Ergonomic, contoured foam comfortably supports the patient, while providing a recessed region for the panniculus
- Massage-style face cushion offers enhanced comfort and support
- Foam arm cushions and multiple handgrip position options allow for natural arm position placement and comfort

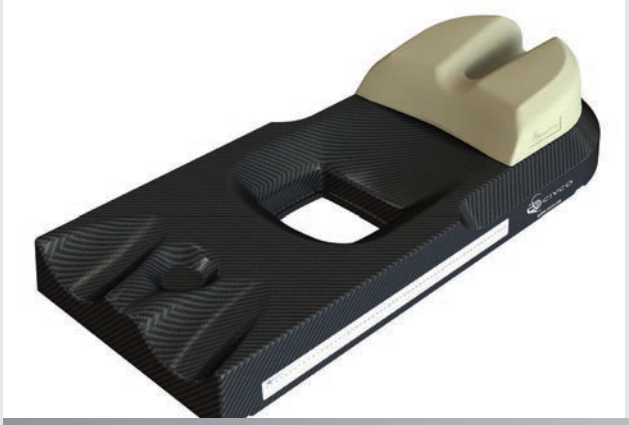
Reproducible

- Indexable to the couchtop and fully nomenclatured, featuring a lateral and longitudinal ruler to aid in patient positioning
- Offset medial support section provides enhanced sight lines while reducing medial bolusing for the patient
- Lateral scale rulers on the head section and longitudinal scale rulers on the breast section allow for enhanced daily repositioning of the patient on the board the same as in CT
- Wedges are available for the contralateral breast to assist in proper patient positioning. Options include a solid wedge, wedge with cavity for excess tissue and a wedge with a scoop feature to slide excess tissue laterally away from the treatment field

Hip & Pelvic Positioning

The Importance

Patient positioning for the hip and pelvic region can be difficult due to organ motion and patient shape. Before choosing a pelvic or abdominal system, it is important to first determine which emphasis - re-positioning or immobilization - is most paramount to your setup needs. For instance, if your prostate treatments are performed under a daily image-guidance system, you may determine that immobilization is your primary goal, since real-time image acquisition and subsequent isocenter adjustments will account for much of the re-positioning. However, if daily imaging is not being performed, a repositioning system will be more important.



Carbon Fiber Bellyboard

Why CIVCO Hip & Pelvic Positioning

CIVCO has a variety of solutions for hip and pelvic positioning and fixation. Our Carbon Fiber and Contoura Bellyboards provide maximum treatment versatility along with customized bowel displacement for patient safety. The HipFix Baseplate and Thermoplastic system delivers comfortable immobilization to enhanced fixed fiducial targeting. Other CIVCO products aid in positioning and immobilization of the lower half of the body during radiation therapy.

HipFix® Thermoplastic Positioning System

Vac-Lok™ Cushion

Carbon Fiber Bellyboard

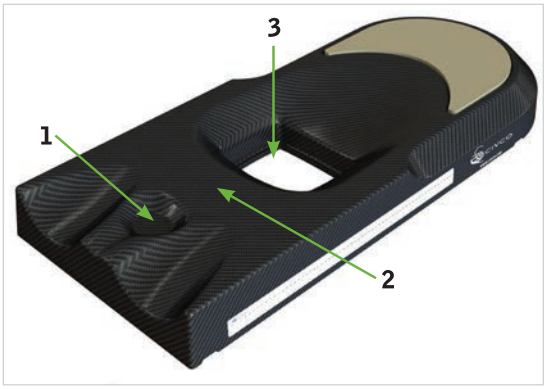
The Carbon Fiber Bellyboard has been developed in order to reduce the irradiated small bowel volume of patients undergoing treatment in the pelvic region. The contoured opening allows for displacement of the small bowel, as the central support structure assists in compressing the small bowel forward into the opening. The Bellyboard features an embedded fiducial crosshair, which can assist as a secondary setup reference. The Bellyboard is radiotranslucent, lightweight, rigid and indexable.

For patient comfort, the lower part of the Bellyboard has been adapted to support the upper legs. A soft polyethylene padding on the cranial side ensures a comfortable position for the head.

The Bellyboard has two apertures:

The caudal aperture (1) is to relieve pressure in the genital area.

The central part (2) of the device is for the compression of the small bowel in order to push the small bowel cranially towards the major aperture (3).

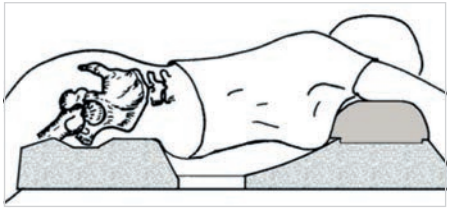


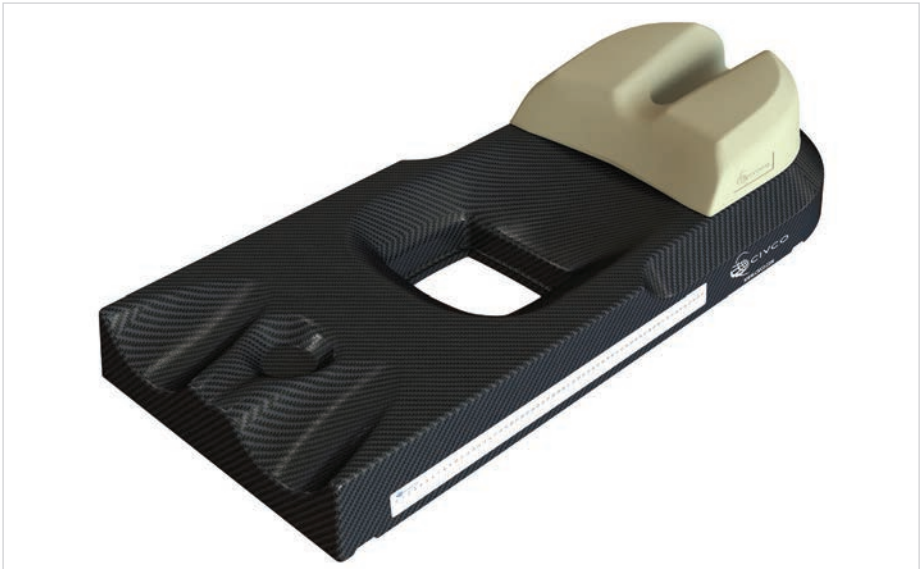
Positioning guidelines for patient setup on the Bellyboard:

As patients position themselves on the Bellyboard, they should start cranially and slide in the caudal direction. The pubic bone must be positioned in the caudal aperture for an optimal reduction of the small bowel volume. Fiducial markers are integrated in the bottom part of the device for additional patient setup reference. Clear scales on both sides of the Bellyboard allow for easy reference of the longitudinal position of the patient.

Prone Thorax Support

The Prone Thorax Support is designed to relieve chest compression during treatments in the prone position. It can be used as a stand-alone patient support or as an option on the Bellyboard to allow large patients to be treated in the prone position in order to decrease the volume of irradiated small bowel.





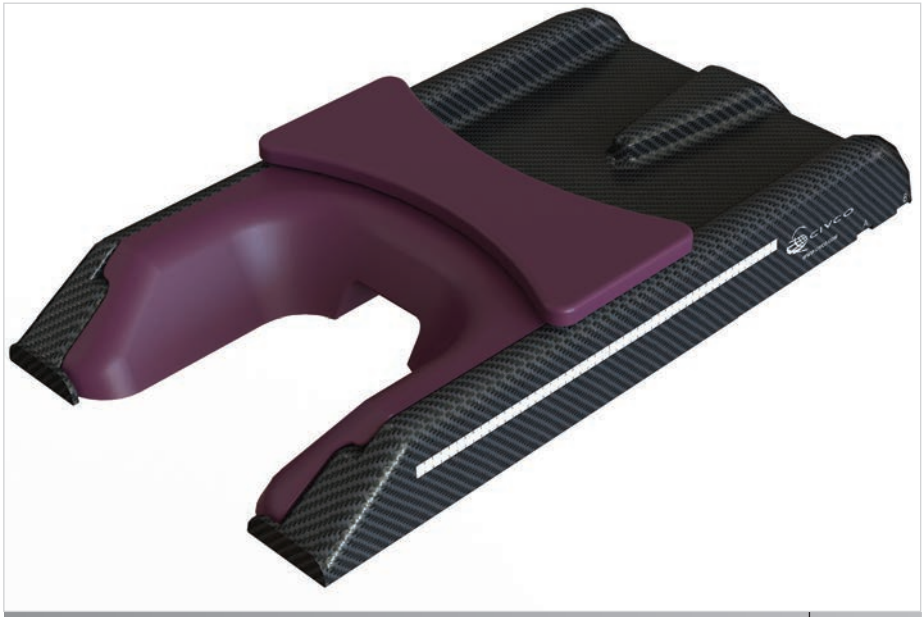
Carbon Fiber Bellyboard	125012
Prone Thorax Support (sold separately)	301075

Carbon Fiber Bellyboard Storage (not compatible with the Contoura)	013140

MRI Compatible

See page 80 for MRI compatible version.

Contoura™ Bellyboard



Contoura Bellyboard | MTBBCF

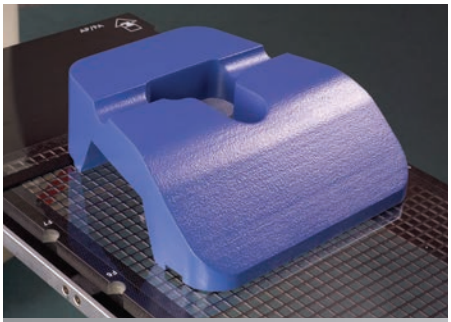
Features

- Made of carbon fiber to provide maximum treatment versatility
- Customized bowel displacement achieved with use of three interchangeable padded inserts
- Shorter board allows for additional setup flexibility for various patient lengths
- Prone-Lok™ indexable cushion or Pron-Pillo™ available for additional comfort

No Portal

Small Portal

Large Portal



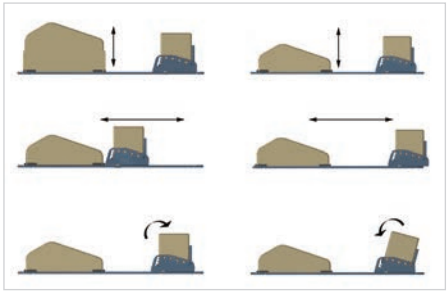
Prone-Lok Positioning Cushion
(Optional – See page 68)

Combifix™

Combifix

The Combifix is a baseplate that indexes to the couchtop and combines the Feetfix and Kneefix. It is recommended that both cushions are used in combination, as each cushion enhances the performance of the other, especially when treating the pelvic region.

Combifix (Includes 1-Combifix Baseplate, 1-Kneefix 3, 2-Kneefix 3 Elevation Blocks, 1-Feetfix 3 & 1-Feetfix Couch Support)	151002



Combifix Storage	013115

Feetfix™ Couch Support

The Feetfix Couch Support positions the Feetfix at indexed positions and allows the Feetfix to be tilted at four different angles. The Feetfix Couch Support can be purchased separately from the Combifix and is two-pin indexable.

Feetfix Couch Support (cushion not included)	302067

Feetfix Couch Support Storage	013103

Shoulder Retractors

This shoulder retractor system consists of straps in two different lengths with hand grips that can be attached in five positions on the Feetfix Couch Support. This allows the shoulder retractor to be adjusted at ten positions. With the shoulder retractor, the shoulders can be pulled down during radiotherapy simulation and treatment sessions where opposed lateral fields are used in the neck area. The shoulder retractor can be used with the Feetfix Couch Support alone or the whole Combifix system.

Shoulder Retractors (includes 2 short and 2 long shoulder retractors)	302070

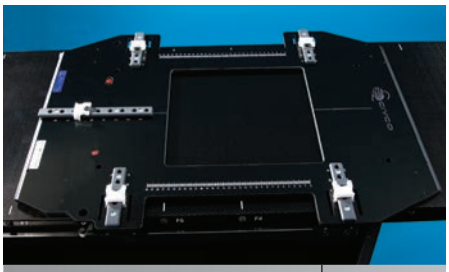
HipFix®

The HipFix hip and pelvis immobilization system utilizes a single sheet of thermoplastic over the entire abdomen and pelvis region. The versatile system accommodates both prone and supine patient setups. The HipFix system provides immobilization to enhance fixed fiducial targeting.

The HipFix baseplate features a cutout treatment window. The baseplate can be indexed to the couchtop. A Vac-Lok or RediFoam cushion can be integrated to the HipFix for added comfort, support and repositioning accuracy.

MRI Compatible

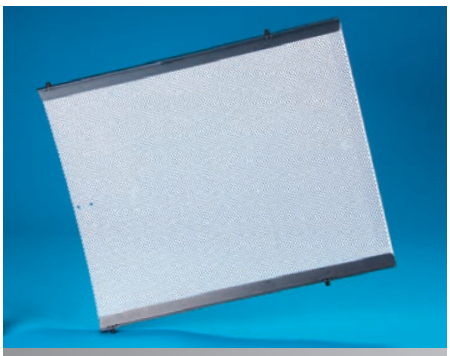
An MRI compatible HipFix baseplate is available; see page 80.



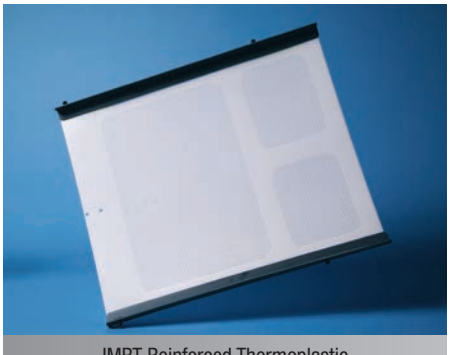
HipFix Baseplate	MTPLVC04
HipFix Baseplate - MRI Compatible	MTPLVCMR

HipFix Thermoplastics

HipFix Thermoplastics are available with reloadable or disposable handles with solid, standard perforated or IMRT Reinforced™ perforation styles. The handles and groin piece secure to the HipFix board, providing an indexable setup. They are sold in boxes of 5.

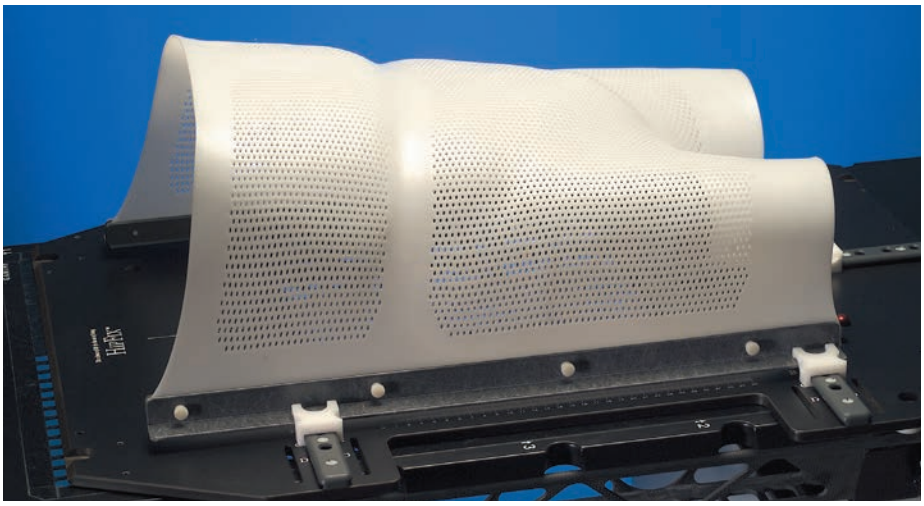


Standard Perforated Thermoplastic



IMRT Reinforced Thermoplastic

Reloadable Handles (2) & Groin Piece	MTPLHA01
Groin Piece for use with disposable thermoplastics	MTPLVCSUB8



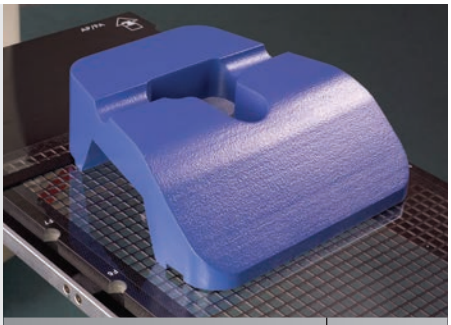
Perforation	Handle Type	Dimensions	Thickness	Part Number
Solid	Reloadable	18 x 22"	3.2mm	MTHFX1822S
Solid	Reloadable	18 x 22"	2.4mm	MTHFX18222.4S
Solid	Disposable (groin piece sold separately)	18 x 22"	3.2mm	MTPLHA0201
Perforated	Reloadable	18 x 22"	3.2mm	MTHFX1822
Perforated	Reloadable	18 x 22"	2.4mm	MTHFX18222.4
Perforated	Disposable (groin piece sold separately)	18 x 22"	3.2mm	MTPLHA0202
IMRT Reinforced	Reloadable	18 x 22"	3.2mm	MTHFI1822
IMRT Reinforced	Reloadable	18 x 22"	2.4mm	MTHFI18222.4
IMRT Reinforced	Disposable (groin piece sold separately)	18 x 22"	3.2mm	MTPLHAI0203

All HipFix Thermoplastics are sold in packages of 5.

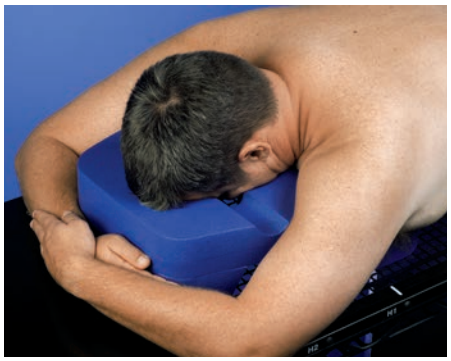
Positioning Cushions

Prone-Lok™ Cushion

The Prone-Lok Positioning Cushion enhances patient comfort through its specially designed foam construction. Its contoured corners eliminate shoulder impingement. The center portal opens the patient's field of view, improving patient comfort. The Prone-Lok cushion is indexable and can be used with the Contoura™ Bellyboard. Can be easily cleaned and reused.



Prone-Lok Positioning Cushion	MTPLC01



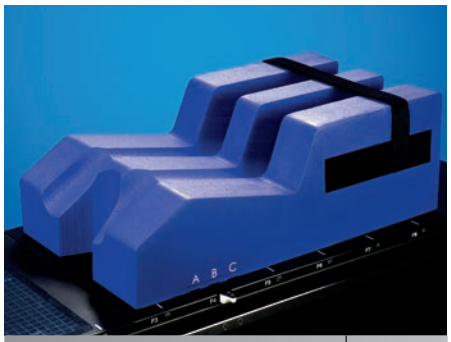
Pron-Pillo™ Cushion

The Pron-Pillo provides comfort and stability for patients in the prone position. It can be easily cleaned and reused.

Pron-Pillo	MTCB36

Dual Leg Positioner

The Dual Leg Positioner provides a quick capture of the lower legs for supine hip and pelvic treatments. The system offers comfortable support and an increased level of positioning, reducing rotation of the pelvis. An optional Velcro® strap secures the calves and ankles. It is ***indexable*** for enhanced reproducibility. Can be easily cleaned and reused.



Dual Leg Positioner	MTDLI
Dual Leg Positioner, Low	MTDLIZ

Kneefix™ 3 & Feetfix™ 3

Kneefix 3

The Kneefix 3 cushion contributes to better stability and reproducibility in the supine position, regardless of the target area. It promotes patient comfort and is therefore ideal for use during lengthy procedures on rigid surfaces. The Kneefix 3 is 16cm tall and is made of lightweight, closed cell foam that is easy to clean and is both two- and three-pin indexable.

Kneefix 3	301052

Kneefix 3 Elevation Blocks

The Kneefix 3 Elevation Blocks can elevate either the Kneefix 3 or Low Kneefix 3 by 5cm. The Kneefix fits in the topside of the elevation block and will not slide off. Elevation Blocks may be stacked to raise the legs even higher. The Kneefix 3 Elevation Blocks are both two- and three-pin indexable.

Elevation Block	301055
Elevation Block - Set of 3	301056

Kneefix Indexing Holes

Feetfix 3

The Feetfix 3 is a universal patient support cushion for radiotherapy and diagnostic procedures and has been designed to provide comfortable positioning with enhanced immobilization. The Feetfix 3 is 16cm tall and is made of lightweight, closed cell foam that is easy to clean. It is both two- and three-pin indexable.

Feetfix 3	301071

Hip & Pelvic Vac-Lok™ Cushions

MRI Compatible

Vac-Lok cushions form a custom mold of a patient's anatomical contours and can easily be reinflated and remolded. Cushions are available in two durable finishes: urethane and nylon. Nylon cushions are reinforced and can be ordered with indexing bars attached. Vac-Lok Cushions are MR Conditional. *Cushions pose no known hazards in 1.5T and 3.0T MR environments. Locate valve away from region of interest to prevent image artifacts.*

See pages 71-72 for more information on Vac-Lok cushions.

75 x 100cm - Urethane	MTVLPLV01
75 x 100cm - Nylon	MTVLPLV01C
75 x 100cm - Nylon w/indexing	MTVLPLV01FC

75 x 120cm - Urethane	MTVLPLV02
75 x 120cm - Nylon	MTVLPLV02C
75 x 120cm - Nylon w/indexing	MTVLPLV02FC

80 x 100cm Hourglass - Nylon	MTVLPLV03C

Note: This is a special order product and is not kept in stock; contact your account representative for lead times.

Split Leg Cushion - Nylon w/indexing (For use with the HipFix System)	MTVL71FC

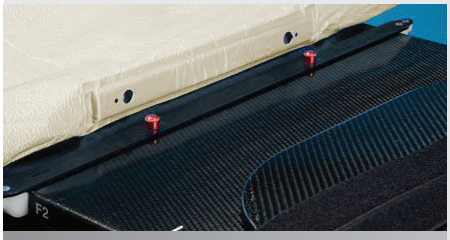
Vac-Lok™ Cushions

MRI Compatible

Easy-to-use, reusable Vac-Lok cushions are designed to meet the challenges of today's radiotherapy and diagnostic imaging departments. Filled with tiny polystyrene beads, Vac-Lok cushions create a rigid, comfortable cradle around the patient when a vacuum is drawn through the quick-release valve. The quick-release valve is self-sealing.

25 x 50cm cushion - useful for extremity positioning

100 x 200cm cushion - useful for full body positioning



Indexing battens provide an easy method for repositioning Vac-Lok cushions.

Features

- Available in two durable finishes: clear urethane and nylon
- Reinforced for resistance against punctures
- Some styles are available with indexing for enhanced patient positioning
- Washable and reusable for ultimate cost-effectiveness
- Available with treatment windows to avoid any possible buildup
- Vac-Lok Cushions are MR Conditional – *Cushions pose no known hazards in 1.5T and 3.0T MR environments. Locate valve away from region of interest to prevent image artifacts.*

Rectangular Cushions

Dimensions	Fill	Finish	Part Number
25 x 50cm	2.25 Liters	Urethane	MTVLE2.25
25 x 50cm	2.25 Liters	Nylon	MTVLE2.25C
50 x 70cm	15 Liters	Urethane	MTVLF15
50 x 70cm	15 Liters	Nylon	MTVLF15C
50 x 70cm	15 Liters	Nylon w/indexing	MTVLF15FC
70 x 70cm	20 Liters	Urethane	MTVLJ20
70 x 70cm	20 Liters	Nylon	MTVLJ20C
70 x 70cm	20 Liters	Nylon w/indexing	MTVLJ20FC
70 x 100cm	35 Liters	Urethane	MTVLG35
70 x 100cm	35 Liters	Nylon	MTVLG35C
70 x 100cm	35 Liters	Nylon w/indexing	MTVLG35FC
70 x 100cm	40 Liters	Urethane	MTVLG40
70 x 100cm	40 Liters	Nylon	MTVLG40C
70 x 100cm	40 Liters	Nylon w/indexing	MTVLG40FC
75 x 100cm	28 Liters	Urethane	MTVLPLV01
75 x 100cm	28 Liters	Nylon	MTVLPLV01C
75 x 100cm	28 Liters	Nylon w/indexing	MTVLPLV01FC
75 x 120cm	34 Liters	Urethane	MTVLPLV02
75 x 120cm	34 Liters	Nylon	MTVLPLV02C
75 x 120cm	34 Liters	Nylon w/indexing	MTVLPLV02FC
75 x 150cm	50 Liters	Urethane	MTVLFBB01
75 x 150cm	50 Liters	Nylon	MTVLFBB01C
75 x 150cm	50 Liters	Nylon w/indexing	MTVLFBB01FC
75 x 180cm	62 Liters	Nylon w/indexing	MTVLFBB02FC
100 x 100cm	40 Liters	Urethane	MTVLB40
100 x 100cm	40 Liters	Nylon	MTVLB40C
100 x 100cm	40 Liters	Nylon w/indexing	MTVLB40FC
100 x 150cm	80 Liters	Nylon	MTVLA80C*
100 x 200cm	120 Liters	Nylon	MTVLH120C*

***Some Vac-Lok Cushions require longer lead time. Please ask your account representative for lead times.**

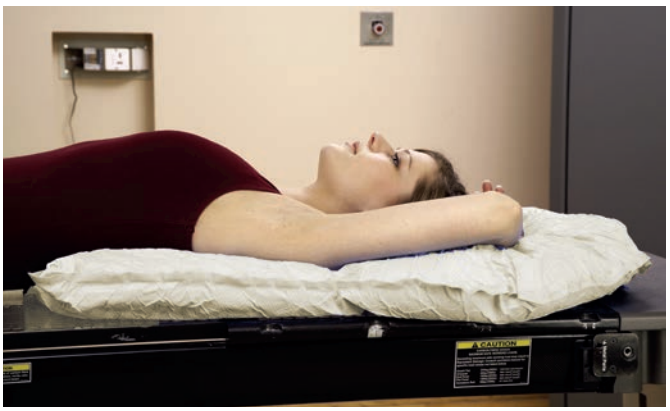
Vac-Lok™ Cushions

MRI Compatible

Non-Rectangular Cushions

Description	Dimensions	Fill	Finish	Part Number	Photo
Prone Cushion (Vac-Lok Cushion only)	15 x 26cm	0.5 Liters	Urethane	MTVL27B*	N/A
Head & Shoulders “T” Cushion	50 x 70cm	6 Liters	Urethane	MTVL37	See page 46
“T” Cushion	87.5 x 140cm	25 Liters	Nylon	MTVL14C25*	N/A
“T” Cushion	87.5 x 140cm	25 Liters	Nylon w/indexing	MTVL14FC25*	N/A
“T” Cushion	108 x 125cm	44 Liters	Nylon w/indexing	MTVL0017	See page 19
Type-S™ Cushion	61 x 65cm	8 Liters	Nylon	MTVLTYS01CX	See page 46
Type-S Cushion	140 x 65cm	27 Liters	Nylon w/indexing	MTVLTYS02CX	N/A
“L” Cushion	74 x 80cm	18 Liters	Urethane	MTVL0011*	N/A
“L” Cushion	80 x 90cm	28 Liters	Urethane	MTVL0008*	N/A
Arms Up Cushion	75 x 75cm	20 Liters	Urethane	MTVLARM01	See page 60
Arms Up Cushion	75 x 75cm	20 Liters	Nylon	MTVLARM01C	See page 60
Arms Up Cushion	75 x 75cm	20 Liters	Nylon w/indexing	MTVLARM01FC	See page 60
Arms Up Cushion	105 x 75cm	28 Liters	Urethane	MTVLARM02	See page 60
Arms Up Cushion	105 x 75cm	28 Liters	Nylon	MTVLARM02C	See page 60
Arms Up Cushion	105 x 75cm	28 Liters	Nylon w/indexing	MTVLARM02FC*	See page 60
Breastboard Cushion	90 x 55cm	15 Liters	Nylon	MTVLBRB01C*	See page 60
One Arm Up	100 x 80cm	34 Liters	Urethane	MTVL04*	See page 60
One Arm Up	100 x 80cm	34 Liters	Nylon	MTVL04C	See page 60
Wing Board™ Cushion	88 x 55cm	15 Liters	Urethane	MTVLWGB03	See page 60
Wing Board Cushion	88 x 55cm	15 Liters	Nylon	MTVLWGB03C	See page 60
Hourglass Cushion	80 x 100cm	28 Liters	Nylon	MTVLPLV03C*	See page 70
Split Leg Cushion	60 x 100cm	15 Liters	Nylon w/indexing	MTVL71FC	See page 70

*** Some Vac-Lok Cushions require longer lead time. Please ask your account representative for lead times.**



Vac-Lok™ Accessories

Vacuum Compressors

CIVCO's Dual Function Vacuum Compressor provides both a vacuum and inflate cycle with a convenient hand control or foot control. It provides an audible alarm when your optimum vacuum level is reached. The pump is both Medical Grade and ETL tested and is available in a 115V and 230V version. This pump has been CE Marked.

The Single Function Vacuum Compressor is a lower cost alternative. It provides a vacuum cycle only. To re-inflate a Vac-Lok cushion, simply detach the compressor and depress the end of the cushion valve. With the MTVL1BEX the hoses can be switched to provide an inflate cycle.

Single Function, 110V	MTVL1A

This product has not been CE marked.

Single Function, 230V	MTVL1BEX

Dual Function, 115V	MTVP1
Dual Function, 230V, Europe	MTVPEXA
Dual Function, 230V, Australia	MTVPEXC
Dual Function, 230V, UK	MTVPEXD
Dual Function, 230V, India	MTVPEXG
Dual Function, 230V, Israel	MTVPEXH
Foot Control (optional)	MTVPFT

Vac-Lok Cleaner

This disinfectant is available for use on Vac-Lok cushions.

Vac-Lok Cleaner	MTCBPFC

This product is only available in the US.

Helping Hands™

The Helping Hands Cushion Manager is designed to help handle large-size Vac-Lok cushions that tend to hang off the couch during the forming process.

Helping Hands - 150cm pair	MTVLHH150

This product has not been CE marked.

Storage Racks

These space saving racks hold molded & inflated cushions. Plastic "S" hooks are available for hanging cushions.

Storage Rack, Stacked Rail (shown)	MTVL3SR
Storage Rack, Double Wide	MTVL401
Casters for MTVL401, Qty. 4	MTVL402
"S" Hooks, Qty. 10	MTVLHOOK

I.D. Tags

Color-coded tags provide quick identification of patient cushions. Tags are available in assorted colors and include tie strings.

Tags - Pack of 25, Assorted Colors	MTVLTAG

Specialty Positioning

Multifix™

The Multifix is a flexible system allowing arms and legs to be fixed in straight or bent positions, using small Posicast® precuts. These precuts are easily shaped to anatomical contours and are then fixed onto the baseplate on clearly indicated positions. The baseplate is indexable to ensure a reproducible setup. It features four sets of indexing holes to offer an isocentric position of the treated extremity wherever it is placed on the Multifix.

Multifix Baseplate - Carbon Fiber	107063

Small Multifix Posicast-Plus Microperfo Thermoplastic	930080

See pages 36-37 for more information on Posicast Thermoplastics.

Diagnostic Vac-Lok Cushion

The Diagnostic Vac-Lok Cushion provides a quick and easy method for creating a custom patient positioning cradle. This comfortable cushion makes it easy for a patient to relax during lengthy imaging procedures. An optional head cushion provides additional stabilization of the head and neck.

Reduced patient movement results in clearer images, maximizing the benefits of today's advanced imaging technologies. Vac-Lok Cushions are MR Conditional (Cushions pose no known hazards in 1.5T and 3.0T MR environments. Locate valve away from region of interest to prevent image artifacts.)

MRI Compatible

Diagnostic Vac-Lok Cushion, Body Cushion*	MTVLBIS001C
Diagnostic Vac-Lok Cushion, Head Cushion*	MTVLBIS002C

*These Vac-Lok cushions require a longer lead time.

Positioning Cushions

RediFoam™ Two-Part Positioning Foam

RediFoam two-part positioning foam is both CFC- and TDI-free. You can make setup marks directly onto RediFoam for verifiable repositioning throughout treatment. RediFoam is available in three sizes.

RediFoam - Small (for pediatrics or extremities). Includes 33 x 40" (83.8 x 101.6cm) RediFoam bag.	MTFA39B
RediFoam - Large (ideal for adults). Includes 39 x 46" (99.1 x 116.8cm) RediFoam bag.	MTFA40B
RediFoam - X-Large (30% more than large size). Includes 39 x 56" (99.1 x 142.2cm) RediFoam bag.	MTFA41B

This product is available in the US only and has not been CE marked.

Multi Purpose Support Cushions

Multi Purpose Support Cushions are exclusive closed cell PE foam that will not stain or absorb liquids. They are more firm than regular, coated support cushions. Six different shapes are sold separately or as a complete set.

Shape	Dimensions	Part Number
Rectangle	30 x 24 x 5cm	403024
15° Wedge	24 x 22 x 7cm	402422
45° Wedge	28 x 48 x 14cm	402848
45° Wedge	28 x 20 x 14cm	402820
Head Support	25 x 25 x 8cm	402525
Set of Six	-	400006

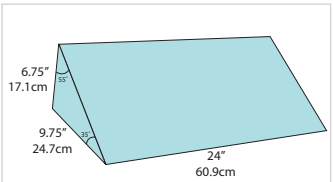
Positioning Cushions

Foam Cushions & Wedges

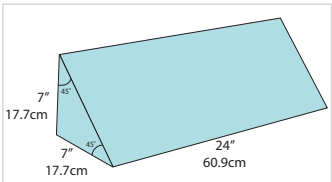
CIVCO offers a full line of foam positioning aids for comfortable patient support. Covered knee bolsters and wedges can be easily cleaned and re-used.

These products have not been CE marked.

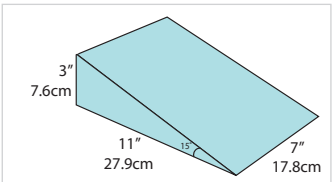
Shape	Dimensions	Part Number
Rectangle	11 x 7 x 2" (27.9 x 17.8 x 5cm)	MTVIPFFF105C
Circle	6 x 1½" (15.2 x 3.8cm)	MTVIPFFF106C
Rectangle - Chest Positioner	14 x 24 x 2" (35.6 x 60.9 x 5cm)	MTVIPFFF402C
Rectangle - Chest Positioner	14 x 25 x 4" (35.6 x 63.5 x 10.1cm)	MTVIPFFF403C
Rectangle	10 x 7 x 1" (25.4 x 17.8 x 2.5cm)	MTVIPFFF801C
Rectangle	10 x 7 x 2" (25.4 x 17.8 x 5cm)	MTVIPFFF802C
Rectangle	10 x 7 x 3" (25.4 x 17.8 x 7.6cm)	MTVIPFFF803C
Rectangle	10 x 7 x 4" (25.4 x 17.8 x 10.1cm)	MTVIPFFF804C
Rectangle	20 x 7 x 4" (50.8 x 17.8 x 10.1cm)	MTVIPFFF805C
Standard Set	Includes: 101C, 102C, 103C, 104C, 105C, 106C	MTVIPFFF702C



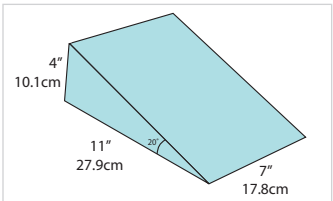
35°/55° Wedge | MTVIPFFF101C



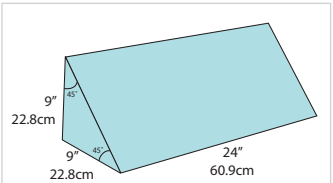
45° Wedge | MTVIPFFF102C



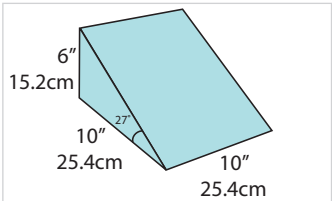
15° Wedge | MTVIPFFF103C



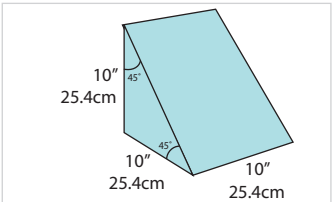
20° Wedge | MTVIPFFF104C



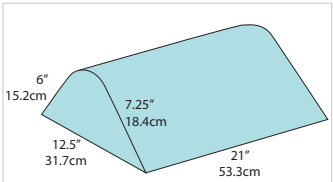
45° Wedge | MTVIPFFF107C



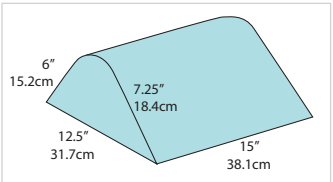
27° Wedge | MTVIPFFF203C



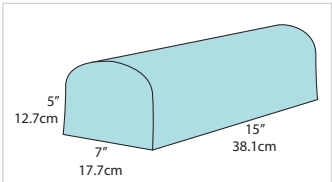
45° Wedge | MTVIPFFF205C



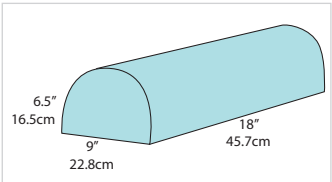
Angled Bolster | MTVIPFFF301C



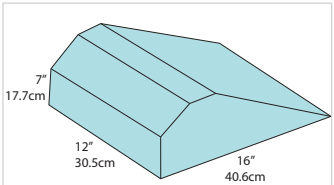
Angled Bolster | MTVIPFFF302C



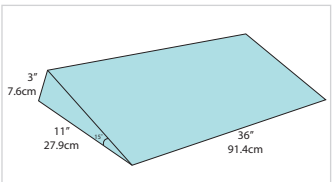
Knee/Back Bolster | MTVIPFFF303C



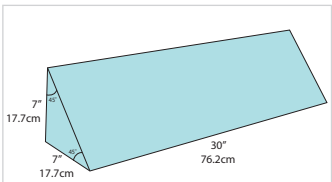
Bolster | MTVIPFFF309C



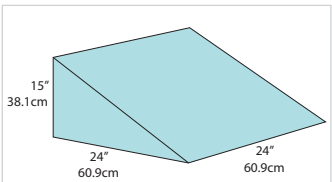
Torso Block | MTVIPFFF401C



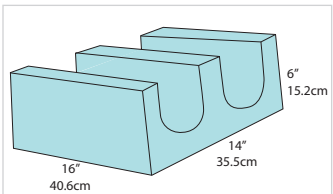
15° Wedge | MTVIPFFF405C



45° Wedge | MTVIPFFF407C



Chest/Leg Wedge | MTVIPFFF502C



Leg Immobilizer | MTVIPFFF704C

Patient Marking

Disposable Rectal & Vaginal Markers

ShadowForm® Markers are used for Simulation and CT planning. They are available in Rectal and Vaginal Markers; both have extreme flexibility. They have a T-bar handle and can easily be removed for the optional insertion of barium.

- Available in rectal and vaginal markers
- Materials promote patient comfort and provide ease of use
- Rectal markers offer excellent measurability
- Prevent Cross Contamination
- Visible on any x-Radiation Modality
- Disposable

Disposable Rectal Marker, 10cm long, Qty. 10	MTZM1710
Disposable Rectal Marker, 40cm long, Qty. 10	MTZM1740
Disposable Vaginal Marker, 20cm long, Qty. 10	MTZM1735

Spee-D-Mark™

Spee-D-Mark virtually eliminates confusion of shadows or lesions on film.

Spee-D-Mark Wings feature the advantages of regular Spee-D-Mark with the added benefit of a special "winged" design for comfortable, conforming placement.

Type	BB Size	Qty	Part Number
Standard	1.5mm	100	MTSDM15C
Standard	2.0mm	100	MTSDM20C

These products have not been CE marked.

Portal Markers

Set of marker tapes designed to outline the treatment field. The markers maintain accurate skin markings on the patient. This product is useful when planning multiple fields of treatment.

- Long lasting
- Comfortable
- Minimizes tattooing
- Water resistant

Type	Qty	Part Number
Standard - each sheet contains 8 field lines, 4 corners, 2 set-up points, 2 isocenters	50 sheets	MTPM100
Isocenter - 18 isocenters and 6 field lines	50 sheets	MTPM150

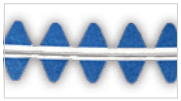
Patient Marking

Suremark® Skin Markers

Suremark markers are useful in distinguishing between a nipple shadow and lesion.

Suremark Tabs maintain the advantages of the Suremark markers with an added tabbed feature.

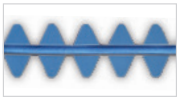
Suremark Relief Tabs have a unique adhesive-free center that won't stick to sensitive areas of the skin.



Suremark Wire is used for marking scar tissue, outlining palpable nodules, moles and entry points in CT scans.

CT Mark new blue formulation is specifically designed for CT and will not cause artifact.

Powermark™ markers maintain the advantages of Suremark Marker and feature larger lead ball sizes for visibility in radiation therapy.



Clearline Scar Markers provide outlining of scars and other areas of concern.

Visionmark Markers are specially formulated non-metallic markers that perform consistently and accurately in a variety of applications.

Suremark Type	Size	Qty/Box	Part Number
Suremark	1.0mm	110	MTSL10
Suremark	1.5mm	110	MTSL15
Suremark	2.0mm	110	MTSL20
Suremark	2.5mm	110	MTSL25
Suremark Tab	1.5mm	110	MTSL15T
Suremark Tab	2.0mm	110	MTSL20T
Suremark Relief Tabs	2.5mm	110	MTSL25RT
Suremark Wire	0.3mm	366cm	MTSLW3
Suremark Wire	0.4mm	366cm	MTSLW4
Suremark Wire	0.8mm	366cm	MTSLW8
Suremark Wire	1.5mm	366cm	MTSLW15
CT Mark Wire	1.0mm	330cm	MTCTW10
CT Mark Wire	2.0mm	300cm	MTCTW20
CT Mark	2.3mm	110	MTCT23
CT Mark	4.0mm	50	MTCT40
CT Mark Cross	1.2cm	50	MTCTCR3
Powermark	3.0mm	50	MTSL30
Powermark	4.0mm	50	MTSL40
Clearline	2.0mm	320cm	MTSLCL20
Clearline	2.5mm	203cm	MTSLCL25
Visionmark	2.5mm	110	MTSLV25
Visionmark	3.0mm	50	MTSLV30
Visionmark	4.0mm	50	MTSLV40
Visionmark	5.0mm	50	MTSLV50

MRSeries™ Positioning Devices

MRI Compatible

MRSeries™

MRSeries products are MRI compatible in 1.5 and 3T environments. All indexable MRSeries products are three-pin compatible.

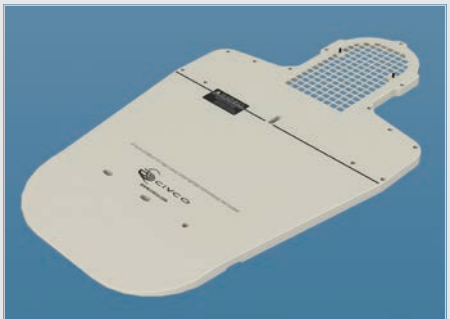
Three-Pin Lok-Bars™

Three-Pin Lok-Bars allow you to index MRI compatible devices to your MRI couchtop. They also help prevent non-MRI compatible devices from being used on an MRI machine.

Interloc 50cm Three-Pin Lok-Bar	MTIL3351
Interloc 53cm Three-Pin Lok-Bar	MTIL3352
Prodigy 50cm Three-Pin Lok-Bar	MTIL3454
Prodigy 40cm Three-Pin Lok-Bar	MTIL3455

MRI Type-S™ Overlay

The MRI Type-S Overlay is made of fiberglass with a foam core, making it MRI compatible. It is also three-pin indexable.



MRI Type-S Overlay (shown)	MTMRHNTYPES
MRI Type-S Overlay - Narrow	MTMRHNPN

MRI Overlays

MRI overlays are made of fiber glass with a foam core, have indexing options and are compatible with a three-pin Lok-Bar. Three-Pin Lok-Bars allow you to index MRI compatible devices to your MRI couchtop while preventing non-MRI compatible devices from being used on an MRI machine.

The following MRI Overlay options are available

MRI Overlay for:	Dimensions	Indexing Style	Compatible Lok-Bar	Part Number
Philips Panorama, 50cm Wide (Only available from Philips)	214 x 50 x 2.2cm	Prodigy	MTIL3454 (2 included)	MTM3400
Philips Panorama, 40cm Wide (Only available from Philips)	214 x 40 x 2.2cm	Prodigy	MTIL3455 (2 included)	MTM3401
Philips Ingenia	211 x 40 x 22cm	Prodigy	MTIL3352 (2 included)	MTM3404
GE Signa (Only available from GE)	208 x 50 x 4.8cm	Interloc	MTIL3351 (not included)	MTM3300
GE Wide Bore (750W or 450W) no GEM	213.4 x 53 x 6.2cm	Interloc	MTIL3352 (1 included)	MTM3301
GE Wide Bore (750W or 450W) with GEM	204 x 53 x 2.1cm	Interloc	MTIL3352 (1 included)	MTM3302
Siemens Magnetom Avanto, Magnetom Espree, Magnetom Symphony A Tim System, Magnetom Trio A Tim System	187 x 50 x 2.2cm	Prodigy	MTIL3454 (1 included)	MTM3000
Siemens Magnetom Verio	187 x 50 x 2.2cm	Prodigy	MTIL3454 (1 included)	MTM3001
Siemens Aera & Skyra (with Type-S mask attachment)	187 x 50 x 2.2cm	Prodigy	MTIL3454 (1 included)	MTM3002
Siemens Aera & Skyra (with Posifix mask attachment)	187 x 50 x 2.2cm	Prodigy	MTIL3454 (1 included)	MTM3003

Acrylic Posifix® Baseplates

All acrylic Posifix baseplates are MRI compatible and three-pin indexable. See page 35 for options.

Acrylic Uni-frame® Baseplates

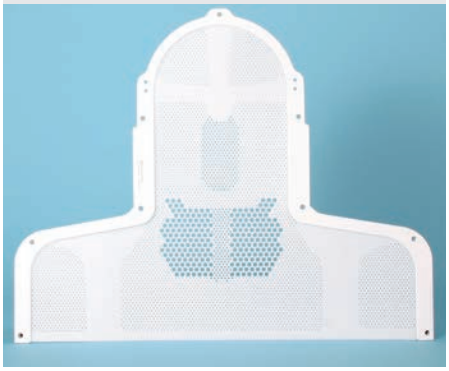
All acrylic Uni-frame baseplates are MRI compatible and three-pin indexable. See page 38 for options.

MRSeries™ Positioning Devices

MRI Compatible

Thermoplastics

All disposable thermoplastics are MRI compatible, including Uni-frame®, Type-S™ & Posifix® Thermoplastics. Masks with carbon fiber reloadable L-Profiles or carbon fiber reloadable frames are not MRI compatible. See pages 31-33, 36-37, and 39-41 for more information.

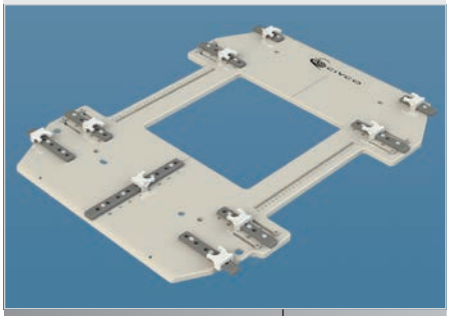


Headrests

CIVCO provides a wide variety of MRI compatible headrests. Options include Timo, Silverman and Posifix® Headrests. See pages 42-44 for options.

HipFix® Baseplate

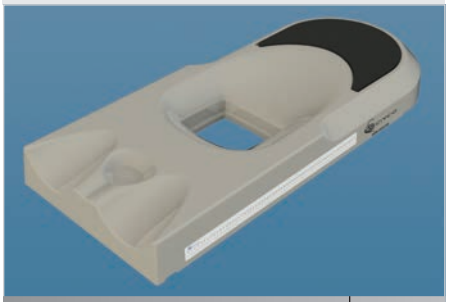
CIVCO's MRI compatible HipFix baseplate is three-pin compatible and is slightly thicker than CIVCO's standard HipFix baseplate. All HipFix Thermoplastics are MRI compatible. See page 67 for thermoplastic options.



MRI HipFix Baseplate	MTPLVCMR

MR Bellyboard

The MR Bellyboard is identical in shape to the Carbon Fiber Bellyboard but is constructed with MRI safe materials. See page 64 for more information.



MRI Bellyboard	126000

Kneefix™ 3 & Feetfix™ 3

CIVCO's Kneefix 3 and Feetfix 3 are both MRI compatible and three-pin indexable. See page 69 for more information.

Vac-Lok™ Cushions

All CIVCO Vac-Lok Cushions are MR Conditional. See pages 71-72 for more information.

Body Pro-Lok™ ONE, Body Pro-Lok System, and Rails Only

CIVCO's Body Pro-Lok family of products provides a customizable SBRT solution based on your individual clinical needs that is compatible in an MR environment (*some items may not be MR compatible).

See pages 16-25 for more information on the Body Pro-Lok System.

trUpoint ARCH™ SRS/SRT System

trUpoint ARCH advances stereotactic radiation setups and is suitable for use in an MR environment. See pages 26-27 for more information.

trUpoint ARCH Starter Kit *Putty Dispenser is MR Unsafe and must be used for setup outside of the MR environment.	MTHF150

Implantable Fiducial Markers

Implantable fiducial markers provide a highly effective method of ensuring accurate target localization for tumors/organs that move in respect to external anatomy, as well as for the precise localization needed for stereotactic radiotherapy. CIVCO offers the largest selection of specially designed fiducial markers, making your target always clearly visible.

Disease Site Recommendations

CIVCO offers a variety of specialized markers with unique features recommended for targeted disease sites. See these icons under each marker listing for recommended use.

- Head & Neck
- Breast
- Lung
- Abdomen
- Prostate

Features

Largest selection of specially designed fiducials includes:

- Linear gold coils with solid identifiable end points
- Linear gold coils specific for MRI and CT fusion
- Biocompatible artifact free polymer markers
- Fiducials linked at a specific distance for precise localization

Gold Marker Features:

- Specially knurled surface is designed to inhibit migration
- 99.9% pure gold
- Non-biological imaging characteristics make markers easier to identify

Multiple needle gauge sizes:

- 20, 19, 18 and 17 gauge needles

MRI FusionCoil™ Marker

The FusionCoil Marker images equally as well in CT as it does in MRI. It consists of an open spiral gold coil with a biocompatible segmented flexible titanium core that appears as a solid black dot in MRI. This is the first of its kind, providing superior reference for image fusion as well as precise IGRT.

Description	Qty	Disease Site	Part Number
Sterile Placement Needle (18GA ETW x 20cm) with (1 x 5mm) FusionCoil Marker	1		MTCTXFC1051820
Sterile Placement Needle (18GA ETW x 25cm) with (1 x 5mm) FusionCoil Marker (not CE marked)	1		MTCTXFC1051825
Sterile Placement Needle (18GA ETW x 20cm) with (1 x 10mm) FusionCoil Marker	1		MTCTXFC10101820
Sterile Placement Needle (18GA ETW x 20cm) with (1 x 20mm) FusionCoil Marker	1		MTCTXFC10201820
Sterile Placement Needle (18GA ETW x 20cm) with 2 (1 x 5mm) FusionCoil Markers with a 15mm bioabsorbable spacer (not CE marked)	1		MTCTXFC10251820
Sterile Placement Cartridge with (1 x 5mm) FusionCoil Marker (not CE Marked)	1		MTCTXFC105185
Sterile Placement Needle (18GA ETW x 20cm) with (1 x 5mm) FusionCoil Marker and 2 Sterile Placement Cartridges with (1 x 5mm) FusionCoil Marker (not CE marked)	1		MTCTXFC001

MRI PolyMark™ Marker

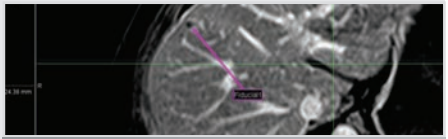
The PolyMark Marker is the first biocompatible polymer-based marker. The PolyMark can be visualized using MRI, minimizes artifact and is visible using kV based IGRT solutions.

Sterile Placement Needle (18GA ETW x 20cm) with (1 x 3mm) PolyMark Marker	1		MTCTXPM101820
Sterile Placement Needle (18GA ETW x 25cm) with (1 x 3mm) PolyMark Marker (not CE marked)	1		MTCTXPM101825
Sterile Loose (0.8 x 3mm) PolyMark Marker	1		MTCTXPM0834

FusionCoil Markers

Sterile Placement Needle and Cartridge

PolyMark Markers



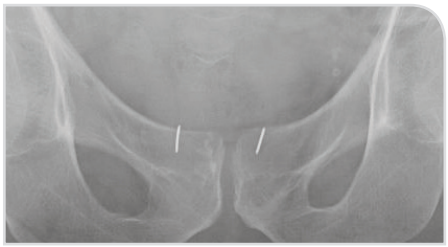
PolyMark Liver MRI

Implantable Fiducial Markers

FlexiCoil™ Marker

The FlexiCoil Marker is a unique, non-migrating marker with solid end points. FlexiCoil provides a unique image with two nodes that clearly define the end points.

Description	Qty	Disease Site	Part Number
Sterile Placement Needle (20GA ETW x 20cm) with (0.6 x 10mm) FlexiCoil Marker (not CE marked)	1		MTCTXFC0610
Sterile Placement Needle (18GA ETW x 20cm) with (0.9 x 10mm) FlexiCoil Marker	1		MTCTXFC09101820
Sterile Placement Needle (18GA ETW x 20cm) with (0.9 x 20mm) FlexiCoil Marker	1		MTCTXFC09201820
Sterile Placement Needle (17GA ETW x 20cm) with (1.2 x 10mm) FlexiCoil Marker	1		MTCTXFC12101720
Sterile Placement Needle (17GA ETW x 20cm) with (1.2 x 20mm) FlexiCoil Marker	1		MTCTXFC12201720

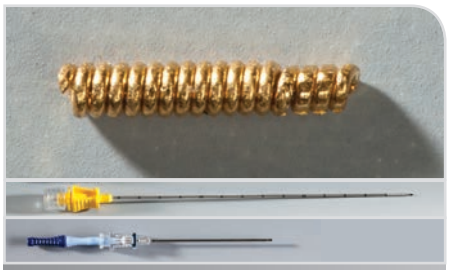


FlexiCoil Markers

PointCoil™ Marker

The PointCoil Marker is a 5mm long helical coil that provides a single unique point for IGRT. The helical design maximizes stability and minimizes artifact.

Loose Sterile PointCoil Marker (0.8 x 5mm)	1		MTCTXPC08
Sterile Placement Needle (20GA ETW x 20cm) with (0.6 x 5mm) PointCoil Marker (not CE marked)	1		MTCTXPC0605
Sterile Placement Needle (18GA ETW x 20cm) with (0.9 x 5mm) PointCoil Marker	1		MTCTXPC091820
Sterile Placement Cartridge with (0.8 x 5mm) PointCoil Marker (not CE marked)	1		MTCTXPC08185
PointCoil SBRT Kit includes: 1 - (19GA ETW x 15cm) Trocar Needle and 3 - Sterile Placement Cartridge (0.8 x 5mm) PointCoil Marker (not CE marked)	1		MTCTXPC0819153



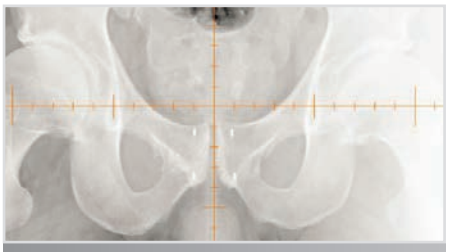
PointCoil Marker and Trocar Needle & Cartridges

FlexiMarc™ G/T Marker

The FlexiMarc G/T Marker provides distinctive non-biological projection with easily definable nodes. The gold nodes are connected with a fine titanium line, which creates the optimal performance characteristics and visualization. These markers feature a pointed lead, reducing the pressure required for solid tumor insertion by 60% when deployed out of a larger flexible needle.

Sterile Placement Needle (18GA ETW x 20cm) with (1 x 3mm) - 10mm Spaced FlexiMarc G/T Marker	1		MTCTXGT10182010
Sterile Placement Needle (18GA ETW x 20cm) with (1 x 3mm) - 20mm Spaced FlexiMarc G/T Marker	1		MTCTXGT10182020

FlexiMarc G/T Marker



FlexiMarc GT kV AP View

Implantable Fiducial Markers

Align™ Markers

Align Markers are 10mm long to accommodate localization software systems that utilize linear fiducials as opposed to multiple segment points.

Description	Qty	Part Number
Sterile Placement Needle (18GA ETW x 20cm) with (0.8 x 10mm) Align Marker	2	MTNW887883
Sterile Placement Needle (17GA ETW x 20cm) with (1.2 x 10mm) Align Marker	2	MTNW887881
Sterile Placement Needle (17GA ETW x 20cm) with (1.2 x 10mm) Align Marker	3	MTNW887882

Align Markers

CyberMark™ Markers

CyberMark Markers were developed specifically for use with Accuray's CyberKnife robotic radiosurgery system. The gold marker measures 5mm long and 1mm in diameter, as specified in the CyberKnife software.

Sterile Placement Needle (18GA ETW x 20cm) with (1 x 5mm) CyberMark Marker	1	MTNW887851
Sterile Placement Needle (18GA ETW x 20cm) with (1 x 5mm) CyberMark Marker	3	MTNW887853
Sterile Loose (1 x 5mm) CyberMark Marker	4	MTNW887855

CyberMark Markers

Bone Markers

Bone Markers are pure gold 2mm spheres recommended for head and neck applications. They are typically placed in a small hole in the bone and sealed with bone wax, with no marker migration.

Loose Sterile Bone Markers (2mm diameter)	3		MTNW887805

Bone Markers

Suture-Type Markers

Suture-Type Markers are designed for high accuracy breast tumor localization. The pure gold spheres with small central holes are readily sutured in place to provide a permanent localization solution. They are prethreaded on absorbable sutures.

Sterile Absorbable Suture with Suture-Type Marker (2mm diameter)	3		MTNW887866

Suture-Type Marker on Absorbable Suture

North American Office: 800.842.8688 | +1 712.737.8688 **International Office:** +31 (0) 10.3036600 ***WWW.CIVCO.COM/RO***

Implantable Fiducial Markers

Coupled Markers

Coupled Markers are 3mm long with either 0.8 or 1.0mm diameters attached at a fixed distance - 20 mm apart from center to center. They are secured with a sterile, tissue-absorbable material. This ensures that the markers are implanted at a known distance for calculating precise localization.

Coupled Markers

Description	Qty	Part Number
Sterile Placement Needle (18GA ETW x 20cm) with (0.8 x 3mm) Coupled Marker	2	MTNW887709
Sterile Placement Needle (17GA ETW x 20cm) with (1 x 3mm) Coupled Marker	1	MTNW887710
Sterile Placement Needle (17GA ETW x 20cm) with (1 x 3mm) Coupled Marker	2	MTNW887712
Sterile Placement Needle (17GA ETW x 20cm) with (1 x 3mm) Coupled Marker & Sterile Placement Needle (17GA ETW x 20cm) with (1.2 x 3mm) Gold Marker	1 of each	MTNW887711

Gold Soft Tissue Markers

Gold Soft Tissue Markers are pure gold cylinders specially knurled to inhibit migration. They are 3mm long and 0.8, 0.9, 1.2 or 1.6mm in diameter. They are available loose or in sterilized preloaded needles.

Gold Soft Tissue Markers

Sterile Placement Needle

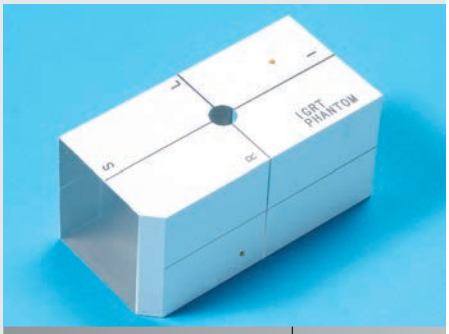
Sterile Placement Needle (18GA ETW x 12cm) with (0.9 x 3mm) Gold Marker	1	MTNW887871
Sterile Placement Needle (18GA ETW x 12cm) with (0.9 x 3mm) Gold Marker	3	MTNW887870
Sterile Placement Needle (18GA ETW x 20cm) with (0.9 x 3mm) Gold Marker	1	MTNW887872
Sterile Placement Needle (18GA ETW x 20cm) with (0.9 x 3mm) Gold Marker	3	MTNW887873
Sterile Placement Needle (17GA ETW x 20cm) with (1.2 x 3mm) Gold Marker	1	MTNW887830
Sterile Placement Needle (17GA ETW x 20cm) with (1.2 x 3mm) Gold Marker	3	MTNW887825
Sterile Placement Needle (17GA ETW x 20cm) with (1.2 x 3mm) Gold Marker	4	MTNW887840
*Sterile Placement Needle (17GA ETW x 30cm) with (1.2 x 3mm) Gold Marker	1	MTNW887836
*Sterile Placement Needle (17GA ETW x 30cm) with (1.2 x 3mm) Gold Marker	3	MTNW887835
*Sterile Placement Needle (17GA ETW x 30cm) with (1.2 x 3mm) Gold Marker	4	MTNW887837
Sterile Placement Needle (14GA ETW x 20cm) with (1.6 x 3mm) Gold Marker	3	MTNW887860
Sterile Loose Soft Tissue Gold Markers (0.8 x 3mm)	3	MTNW887808
Sterile Loose Soft Tissue Gold Markers (0.9 x 3mm)	3	MTNW887809
Sterile Loose Soft Tissue Gold Markers (1.2 x 3mm)	3	MTNW887812

*Longer needle length!

Quality Assurance

IGRT QA Tool

This miniphantom was specifically designed to provide quality assurance analysis for each step of the IGRT process. It is precisely machined, supporting built-in fiducials that serve as measurable points at known locations. At the center is a 1cm sphere that can be used as the setup target.



IGRT QA Tool	MTNW425200

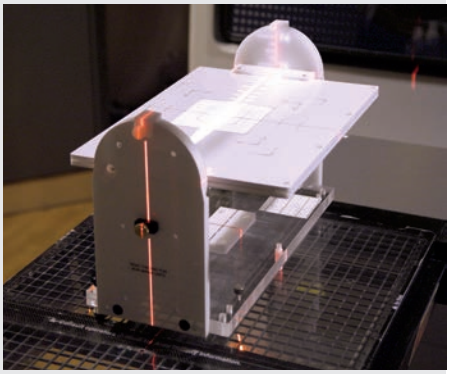
Iso-Align™

The Iso-Align is a multi-purpose, precision alignment device that assists in the routine quality control of lasers, linear accelerators and simulators. The Iso-Align accommodates a convenient film pack for radiation and light field verification. The Iso-Point Rotational Runout Tool on the Iso-Align allows you to accurately and easily verify the mechanical isocenter of the gantry. The Iso-Point is attached to a side panel of the Iso-Align device, extends 26cm from the side panel and has a pointer tip with a 2mm diameter.

The Iso-Align accurately and easily assists in multiple precision alignment procedures without repositioning the device, including:

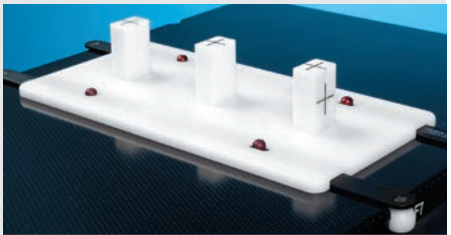
- Alignment of all lasers
- Collimator and table/couch rotational angle readout accuracy
- Light field alignment and jaw readout accuracy
- Mechanical isocenter of collimators and treatment tables/couches
- Optical distance indicator (ODI) accuracy at various distances
- Port film grid alignment
- Radiation and light field coincidence at various gantry angles
- Radiation isocenter of collimators, gantries and treatment tables/couches

Iso-Align	MTIAD1



TG66 CT Simulation Laser QA Device

This unique device is an accessory designed specifically to check the performance of electromechanical components, simple geometric and imaging properties of CT scanners in accordance with AAPM protocol TG66. Gantry and vertical side-wall lasers can also be checked. The device is two-pin indexable and requires a two-pin Lok-Bar™.



TG66 CT Simulation Laser QA Device	MTTG66

Miscellaneous Accessories

Patient Shielding

Tungsten Eye Shields

Tungsten eye shields have been clinically tested and proven to provide adequate protection of the ocular structure for electrons up to 9MeV. Each eye shield is coated with dental acrylic to reduce electron back scatter to an acceptable level.

Eye shields are sold individually in three sizes: small (19.5mm), medium (23mm) and large (25mm).

Eye Shield - Small - Qty. 1	MTT45S
Eye Shield - Medium - Qty. 1	MTT45M
Eye Shield - Large - Qty. 1	MTT45L

Testicle Shields

Testicle shields are designed to reduce scatter radiation to the testicles. Each unit is cast to provide a lead wall with a thickness of ½" (1.25cm) and features an open sector to allow comfortable attachment to the patient. All surfaces are coated with a polyurethane paint to reduce lead exposure.

The shield's top and bottom sections are secured with either the two included rubber straps or nylon tape. When using the testicle shield stand, no straps are needed.

Testicle Shield - Small	MTTSS
Testicle Shield - Medium	MTTSM
Testicle Shield - Large	MTTSL

These products have not been CE marked.

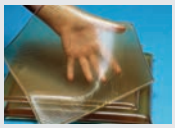
Testicle Shield Stand

This adjustable stand offers increased patient comfort while raising or lowering the shield. A manual adjustment knob allows for easy vertical positioning from 1-10" (2.54-25.4cm) The stand can be used for anterior and posterior treatments.

Testicle Shield Stand	MTTSST

This product has not been CE marked.

Bolus



Bolus is made from a solid, homogeneous, tissue-equivalent gel with a density of 1.03g/cc. It will not sag, deform or run. Bolus is available encased in a tough layer of thin plastic "skin" or "skinless", which is sticky for greater conformity to steep body contours. It is closely controlled for uniformity of thickness, electron density and homogeneity. Bolus sheets can be cut with a scissors to any desired shape and layered to obtain the desired bolus effect.

Bolus is the ideal choice for applications above 1MV where additional tissue-equivalent thickness is required. It can also be used as a phantom material due to its homogeneous composition and uniform thickness.

Skinless Bolus

Dimensions	Thickness	Part Number
30 x 30cm	0.3cm	MTCB403
30 x 30cm	0.5cm	MTCB405
30 x 30cm	1.0cm	MTCB410
30 x 30cm	1.5cm	MTCB415
30 x 30cm	2.0cm	MTCB420

These products have not been CE marked.

Skinless Bolus - CE Marked

Dimensions	Thickness	Part Number
30 x 30cm	0.3cm	MTCB403CE
30 x 30cm	0.5cm	MTCB405CE
30 x 30cm	1.0cm	MTCB410CE

Bolus With Skin - CE Marked

Dimensions	Thickness	Part Number
30 x 30cm	0.3cm	MTCB403S
30 x 30cm	0.5cm	MTCB405S
30 x 30cm	1.0cm	MTCB410S
30 x 30cm	1.5cm	MTCB415S
30 x 30cm	2.0cm	MTCB420S
30 x 50cm	0.5cm	MTCB305005S
30 x 50cm	1.0cm	MTCB305010S
15 x 15cm	0.5cm	MTCB455S
15 x 15cm	1.0cm	MTCB450S
40 x 40cm	0.5cm	MTCB404005S
40 x 40cm	1.0cm	MTCB404010S

Miscellaneous Accessories

ALRA Skin Care

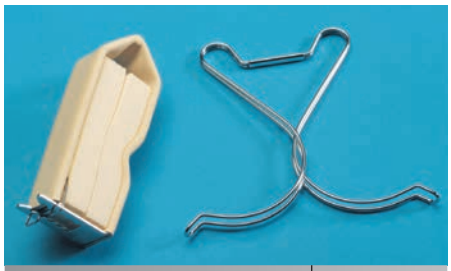
This special line of skin care products is designed to provide gentle, effective care for patients undergoing radiation therapy. Highly concentrated levels of natural and active ingredients offer comfort and promote healing.

The moisturizer contains aloe vera, lanolin, Vitamin E, collagen and allantoin. It is alcohol and fragrance-free. Unlike regular antiperspirants, the ALRA deodorant stick contains no metallic ingredients that can interfere with radiation. It contains the natural astringent cypress oil and the natural antibacterial lichen. Your patients can order ALRA products directly from CIVCO.

Therapy Lotion - 4oz.	MTCBALRASL4
Non-Metallic Deodorant	MTCBALRAD

These products have not been CE marked.

Incontinence Clamps



Cunningham Clamp, Regular	MTVIPU414R
Cunningham Clamp, Large	MTVIPU414L
Zipser Clamp	MTVIPU413

These products have not been CE marked.

Grip Rings

Grip rings offer patients an extra measure of security and comfort. The tough blue vinyl is smooth and easy to wipe clean with most antibacterial solutions. Grip Rings are sold individually and in sets.

Ring for Small Hands - 3" inside diameter	MTVIP181
Ring for Average Hands - 4.25" inside diameter	MTVIP182
Ring for Large Hands or Small Feet - 6" inside diameter	MTVIP183
Set of 3 rings - 3, 4.25 and 6" inside diameter	MTVIP166
Set of 4 rings - 3, 4.25, 6 and 8" inside diameter	MTVIP1664

These products have not been CE marked.

Patient Transfer Board

The Patient Transfer Board is designed to ease patient transfer from a bed or stretcher to a treatment table with minimum effort. The board is constructed of a durable polyethylene material.

Patient Transfer Board	MTVIP40

This product has not been CE marked.

Table Strap

The Table Strap ensures patient control, safety and comfort with a strong material that feels soft to the touch. The Table Strap features a two-way adjustable fastener made of double-faced Velcro® brand loop. It can be washed and sterilized. Individually packaged.

Table Strap	MTVIP173

This product has not been CE marked.

Digital Level

The Digital Level provides a digital readout to 1°.

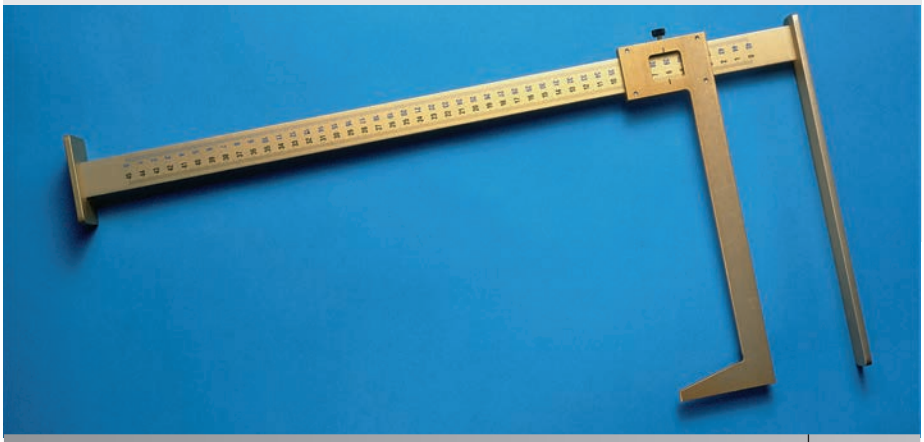
Digital Level	MTDROL

Miscellaneous Accessories

Calipers

Body Calipers can be used for tabletop distances to determine central-axis and off-axis measurements. The reversing caliper orientation assists in determining separations such as laterals, obliques and off-table measurements. The wide base ensures perpendicularity to tabletop. A color-coded scale on both sides eliminates confusion with scale orientation.

It is made of precision-machined aluminum with a gold-tone finish. Components are hand-tapped, counterbored and assembled with steel screws for strength and stability. The easy-to-read screen printed scale is protected from wear by a recessed sliding scale indicator.



Body Caliper - 45cm	MTBC45
Body Caliper - 55cm	MTBC55

These products have not been CE marked.

Mobile Accessory Cart

This accessory cart has been specially designed to hold a wide variety of patient positioning and fixation devices. The cart can hold up to 300lbs. (135kg) and measures 40 5/8 x 20 x 37 13/16" (103.2 x 50.8 x 96cm). An optional storage bin is available for storing smaller items.

Mobile Accessory Cart (does not include storage bin)	MTMC020
Storage Bin	20MC02005

Air Sampling

To comply with OSHA regulations, every facility that fabricates shielding blocks should conduct air sample analysis and post the results. CIVCO offers one-week rentals on OSHA-approved air sample pumps and filters. Simply conduct an eight-hour sample according to the instructions, then ship the pump and filter back to CIVCO. A written analysis will be sent back in three to four weeks.

Air Sampling	AIRTEST

Available only in the US.

Wipe Test

The convenient mold room wipe test includes wipes, sample containers and a test area template. Simply conduct the test according to the instructions and return the sample to CIVCO. In three to four weeks, a written analysis will be available of both lead and cadmium levels to determine the effectiveness of clean-up procedures.

Wipe Test	WIPETEST

Available only in the US.

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Ordering Information

Placing an Order in North American & International Markets
Toll-free within the U.S. and Canada: 800.842.8688
Direct Dial: +1 712.737.8688
Facsimile: 877.613.6300
Direct Sales Email: roorder@civco.com
Distributor Sales Email: rodistorder@civco.com
OEM Email: rooemorder@civco.com

Office Hours
Monday-Thursday, 7:30 a.m. - 5:00 p.m., U.S. Central Time.
Friday, 7:30 a.m. – 4 p.m., U.S. Central Time.
To place an order after business hours, leave a voice mail telephone message, and a customer representative will notify you on the next working day for order verification.

Payment Terms
Net 30 days for customers with approved credit inside the United States and Canada. All orders must be paid in U.S. dollars. Orders from outside the U.S. require advance remittance by wire transfer. Visa, Mastercard, Discover and American Express are accepted. Alternate International payment terms are considered upon request. Delinquent accounts are subject to suspension until payment arrangements are made.

Shipping Terms
F.O.B. point of origin. Freight is prepaid and added to the invoice. CIVCO will select the most efficient method of shipment, unless a specific carrier is requested. Overnight and rush shipments are provided for an additional fee.

Pricing and Discounts
Prices are subject to change without notice. Quantity discounts and blanket order pricing are available. Contact a customer service specialist for details. A $50 minimum purchase is required with each order.

Sample Requests
Free non-sterile samples are available on selected products. Samples are provided for sizing and fit purposes only and should not be used in clinical procedures.

Return Policy
If you are dissatisfied with a product, contact a CIVCO customer service specialist for advance return authorization and instructions. Returns should be arranged within 30 days of the invoice date and are subject to a twenty-five percent (25%) restocking fee. Returned goods must be in original packaging and in new condition. CIVCO reserves the right to refuse unauthorized returns.

Claims, Shortages or Damages
Please open all shipments immediately and inspect for concealed damages, shortages or errors. If goods were damaged in shipping, please hold the package and request a carrier inspection and claim form. Please report any shortages or errors to your CIVCO customer service specialist within 30 days of receipt of shipment to arrange an authorized exchange.

Product Warranty
Reusable products. CIVCO warrants products manufactured by CIVCO and intended to be reusable shall be free from defects in materials and workmanship for 12 months from the date of invoice by CIVCO unless otherwise stated on the product labeling and/or instructions.

Disposable products. CIVCO warrants products manufactured by CIVCO and intended to be disposable (single-use) shall be free from defects in materials and workmanship for 12 months from the date of invoice by CIVCO unless otherwise stated on the product labeling and/or instructions. Sterile disposable products shall be sterile for not less than 12 months from the date of invoice by CIVCO unless otherwise stated on the product labeling and/or instructions.

All products not manufactured by CIVCO are warranted if applicable as defined under the original manufacturer's warranty as stated on the labeling and/or instructions.

Buyer's sole remedy for breach of this warranty will be replacement or repair of the product or part, at CIVCO's option. To the full extent allowed by law, the foregoing warranties and remedies are exclusive and in lieu of all other warranties, terms, or conditions, express or implied, either in fact or by operation of law, statutory or otherwise, including warranties, terms, or conditions of merchantability, fitness for a particular purpose, satisfactory quality, correspondence with description, and noninfringement, all of which are hereby expressly disclaimed.

Notwithstanding the foregoing, CIVCO makes no warranty, nor shall it have any obligation to the customer with respect to any product sold hereunder, if such product has expired according to product labels or has not been used, handled or stored in accordance with written CIVCO guidelines.

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All products may not be licensed in accordance with Canadian law.

Quality Standards
CIVCO is registered to ISO 13485:2003 Quality Standards.

Note: Not all products listed are available in every market. Please contact your account representative or local distributor for availability.

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Radiation Oncology