

Solutions Guide

Volume 6.2 | 2020



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Radiotherapy
a better way

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MRSeries products are intended for use in the MR environment. Always refer to product labeling to identify whether a device is MR Safe or MR Conditional.

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ProtonSeries family of products meet the unique requirements of proton therapy and are intended for use in a proton environment.

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Accessories & Aids

Mechanical Alignment
Patient Shielding
Bolus
Skin Care
Grip Rings™ & Straps
Patient Transfer Board
Digital Level

Confident Proton Therapy without Compromise

The Universal Couchtop™ provides confidence in your care with no rails or junctions in the treatment area to facilitate better access, delivery of dose and target coverage.

 **Universal Couchtop™**
Long Extension

ProForm™

- Features geometry that allows for direct access to effectively treat CNS patients
- Homogeneous treatment area and soft gradient edges reduce beam degradation
- Thermoplastic mask attaches with a smaller profile frame and pin similar to CIVCO's Type-S™ system
- Large, 121.5 cm junction-free and artifact-free treatment area with quick and easy attachment of extension



**For more information on ProForm™ Head & Neck Immobilization
and the ProtonSeries line of products, see pages 117–118.**

 **ProtonSeries™**

Web www.CivcoRT.com Email info@CivcoRT.com

What's **New** in Volume 6.2



Adaptiiv 3D Printing
Software Solution

**Find out what's new
in Version 3.0**

Pages 6–9

Comfort Marker 2.0
Patient Marking System

Now CE Marked!

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Solstice™ SRS
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Universal Couchop
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ProForm™ Head &
Neck Immobilization
**New Overlays and
Thermoplastic**

Pages 118–119

"Adaptiiv has enabled us to confidently tackle situations where we would normally struggle to apply bolus. The benefit has already been seen in reduced setup times, improved patient comfort and reproducibility. The ability to print the precise bolus required for electrons or photons is a powerful tool in an RT department."

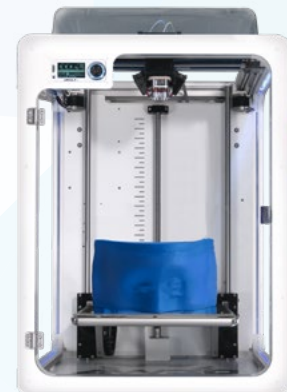
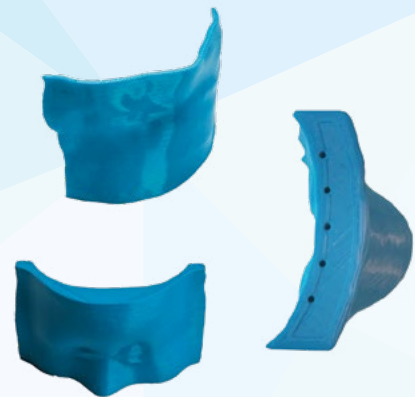
Ciaran Malone, Medical Physicist
Saint Luke's Radiation Oncology Network, Dublin, Ireland

FDA 510(k) Cleared

Adaptiiv 3D Printing Software Solution

Reduce Risk. Improve Precision.

A regulated, in-house software solution to create 3D printed patient-specific radiotherapy accessories, effectively improving treatment delivery and patient experience.

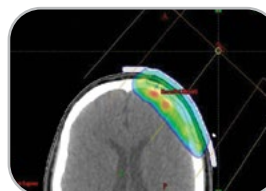


Modulated Electron Bolus

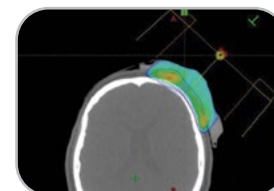


A custom, optimized bolus design that provides modulation of the electron beam to conform the prescription isodose to the PTV, sparing the underlying normal tissues.

- Optimized bolus design tailors dose distribution while maintaining conformal fit to the patient's anatomy
- Reduction in air gaps
- Improved sparing of healthy tissue and organs-at-risk (OARs)
- Allows users to reduce peaks near hotspot regions (contoured in the TPS) and provide a homogeneous dose distribution
- Eliminates the need for complex, wax bolus that is difficult to produce and can be easily damaged
- Significant savings in fabrication time
- Improved patient care



Standard electron field with uniform thickness bolus.



Same electron field (as left image) with modulated electron bolus, as designed by Adaptiiv software.

Uniform Thickness Bolus

A fully validated solution for use with photon or electron radiotherapy. Direct integration with the TPS allows users to verify their plan against the patient-specific bolus prior to 3D printing. Patient-specific fit reduces air gaps and resultant surface dose uncertainty.

- Optimized fabrication process through in-house 3D printing
- Centers can allocate resources more efficiently and treat more patients
- Cleaving function allows users to easily cleave an accessory into two parts, at any angle
- In vivo dosimetry function allows users to automatically create and print dosimeter pockets directly within an accessory
- Cropping function ensures a smooth adhesion to the print bed
- Smoothing function improves patient comfort
- Patient ID tag function identifies which patient the accessory belongs to, making it easier to use for multiple treatment fractions



Nasal Case:
Standard fit bolus



Air gaps are significantly
reduced using 3D printed bolus.

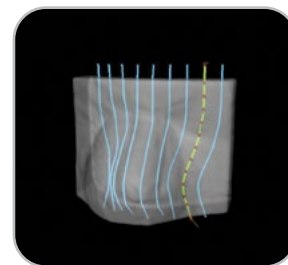
Contact CIVCO to learn more about the clinical benefits of Adaptiiv's 3D printing software solution.

Adaptiiv has received US FDA 510(k) clearance to market its 3D printing software for use in radiation oncology, is ISO 13485 certified and has received a CE Mark.

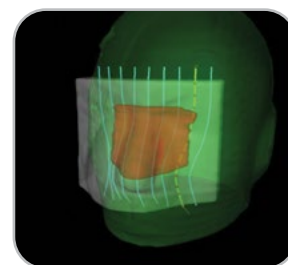
HDR Surface Brachytherapy

Allows users to create patient specific applicators that have hollow catheter trajectories printed directly into the structure. This highly customizable surface applicator provides a superior dose distribution compared to other common techniques.

- Point and click software functions enable the user to create customizable catheter trajectories that are specific to the patient's anatomy and treatment plan
- Replaces the need for expensive applicators (i.e. Frieberg Flap)
- Software optimization eliminates the need for labor intensive, manual fabrication methods
- Conformal fit provides better comfort for the patient
- Enhanced catheter tunnel algorithm improves the way tunnels are generated
- Users can import the new applicator design back into the brachytherapy TPS to conduct dose re-calculations



Complex iterations to applicator design can be achieved through point and click capabilities.



A 3D view of the brachytherapy applicator, PTV (in red), and underlying structures.

New features in version 3.0 of Adaptiiv software

3D Structure Visualization

3D viewing of the PTV and OARs (or other underlying structures) when planning and creating custom brachytherapy tunnels

'Brachy Curvature' mode

For cases with highly curved surfaces, such as a scalp, our new 'curvature mode' enables better tunnel positioning to maintain appropriate inter-trajectory distances

Tunnel Shortening

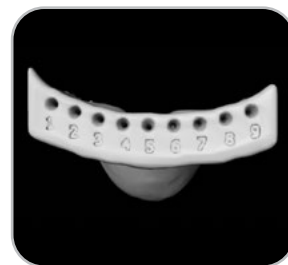
Users are now able to remove nodes and stop a tunnel at any designated point along the planned catheter trajectory

Tunnel Countersinks

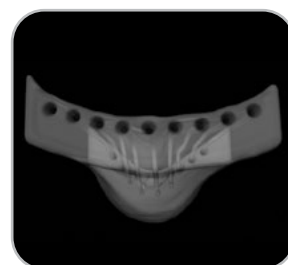
Users are now able to soften the entry/exit points for easier catheter placement by widening the points in the applicator tunnels

Tunnel Labelling

Users can now place tunnel labels directly into the 3D printed applicator



Tunnel labels can be imprinted directly into the applicator.



Countersinks allow for easy catheter or source placement.

3D Printed Moulds

An innovative and superior method to create flexible, patient-specific bolus.

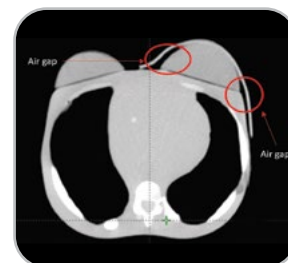
For many applications, a rigid 3D printed bolus is effective and well tolerated by the patient. However, some clinical scenarios may benefit from a soft, highly flexible patient-specific bolus.

Adaptiiv has created innovative new technology that now allows users to easily create moulds that can be 3D printed and filled with flexible material, such as skin-safe silicone, to produce patient-specific bolus.

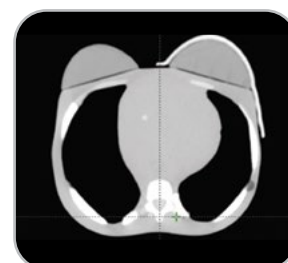
This feature is now available in the Uniform Thickness Bolus and Modulated Electron Bolus modules.

Advantages of Adaptiiv's 3D Printed Moulds:

- Allows the use of flexible materials, such as skin-safe silicone
- Introduces a regulatory cleared process to create and produce flexible bolus with high accuracy
- Preserves the superior patient fit provided by rigid 3D printed bolus compared to traditional methods – but offers the comfort and pliability of a soft material
- Allows use of a bolus that copes with minor patient motion or changes between treatment fractions
- Provides a solution particularly useful for head and neck or skin cases, or other complex anatomies requiring custom fit bolus



Traditional sheet bolus used on curved surfaces, such as a breast, can result in poor conformity and resultant air gaps.

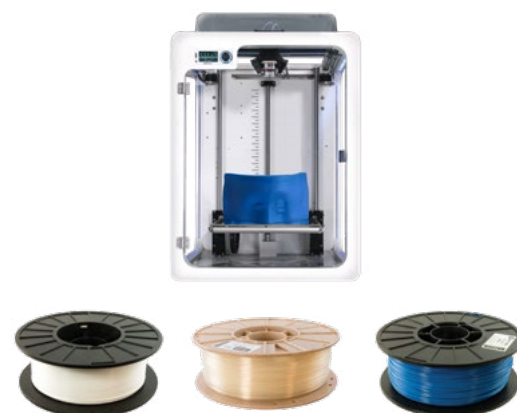


Flexible, patient-specific bolus provides superior fit and adheres to the surface shape of complex anatomies, such as a breast.

Printer & Filament

Adaptiiv has invested 5,000+ hours properly validating a 3D printer and filament materials, ensuring users are in compliance from design to print. Visit CivcoRT.com for more information.

ADAPPRT01	3D Printer, Qty 1
ADAPFIL01	Filament, Standard PLA, White, 1 kg, 2.85 mm, Qty 1
ADAPFIL02	Filament, Standard PLA, Natural, 1 kg, 2.85 mm, Qty 1
ADAPFIL03	Filament, Standard PLA, White, 4 kg, 2.85 mm, Qty 1
ADAPFIL04	Filament, Standard PLA, Natural, 4 kg, 2.85 mm, Qty 1
ADAPFIL05	Filament, Standard PLA, Blue, 1 kg, 2.85 mm, Qty 1
ADAPFIL06	Filament, TPU Flex, Snow (White), 2 kg, 3 mm, Qty 1
ADAPFIL07	Filament, TPU Flex, Sapphire, 2 kg, 3 mm, Qty 1



Contact CIVCO to learn more about the clinical benefits of Adaptiiv's 3D printing software solution.

Adaptiiv has received US FDA 510(k) clearance to market its 3D printing software for use in radiation oncology, is ISO 13485 certified and has received a CE Mark.

3D Printed Patient-Specific IC/IS Brachytherapy Applicators*

The only regulated solution that allows users to easily export a modified RT structure back into the TPS for QA purposes

Adaptiiv's Vaginal Vault Applicator

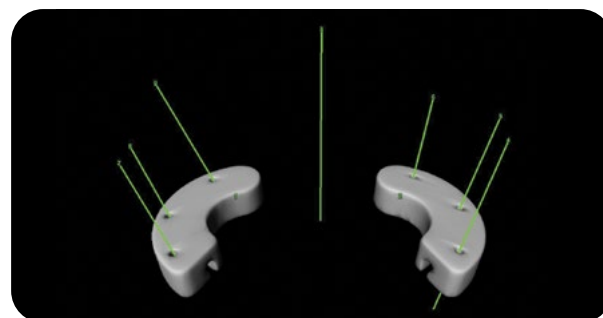
Enables the design and fabrication of custom IC/IS brachytherapy applicators via 3D renderings from the TPS. Patient-specific tunnels can go all the way through the applicator or stop at a certain user-defined distance within the applicator.



Adaptiiv software shows the design of a patient-specific IC brachytherapy applicator

Adaptiiv's Split Ring Applicator

Enables the customization of the IC/IS Mick Split Ring (MRNI) that is optimal for the patient's treatment. Designed with defined patient-specific (oblique) needle paths coming from previously optimized RT plans via the TPS.



A 3D view of a patient-specific split ring applicator in Adaptiiv software

"Customized applicators are expected to optimize spatial needle channel distributions and enhance access to less frequent tumor locations, thereby improving brachytherapy treatment conformity, increasing local control in large extensive tumors, and decreasing side effects and their impact on quality of life."

- François DeBlois, Ph.D., FCCPM, Chief Physicist, Department of Radiation Oncology
Centre Hospitalier de l'Université de Montréal (CHUM)

*CURRENTLY NOT AVAILABLE FOR SALE IN THE U.S.

"Patients report how easy the Chabner XRT Radiation Bra is to put on, also that it fits comfortably, even with DIBH patients. The bra has been a good aid for our department and provided a very promising alternative to breast prone treatment."

Alessandro Taccogna, Radiation Therapist MR(T) at
Kantonsspital Graubünden Hospital & Health Care, Chur,
Canton of Grisons, Switzerland

Chabner XRT® Radiation Bra

Offers optimal breast support and reproducibility

The Chabner XRT Radiation Bra provides optimal breast support during simulation, planning and radiation treatment, including proton. The bra can also be used for breast support during other radiologic procedures such as CT, MRI and diagnostic X-rays.



Visit CIVCO's YouTube channel
for the Chabner XRT
Instructional Video



Chabner XRT® Radiation Bra



The Chabner XRT® Radiation Bra provides optimal breast support during simulation, planning and radiation or proton treatment. The bra can also be used for breast support during other radiologic procedures such as CT, MRI and diagnostic X-rays.

- User-friendly for patient, therapist and physician
- Made of lightweight, advanced materials providing enhanced support ideal for positioning the breast and ensuring patient comfort without irritation or sensitization
- Strategically-placed thermoplastic polyurethane (TPU) windows allow visibility of skin and bony landmarks essential for repeatable patient position
- Tested at 6 MeV and 6 MV to demonstrate that the radiation beam can pass through treatment areas* of the bra without attenuation
- Intended for use by a single patient throughout treatment, the garment is reimbursable by insurance: All points of Velcro® attachment are indexable so patient can be custom-fit at the time of simulation and throughout treatment

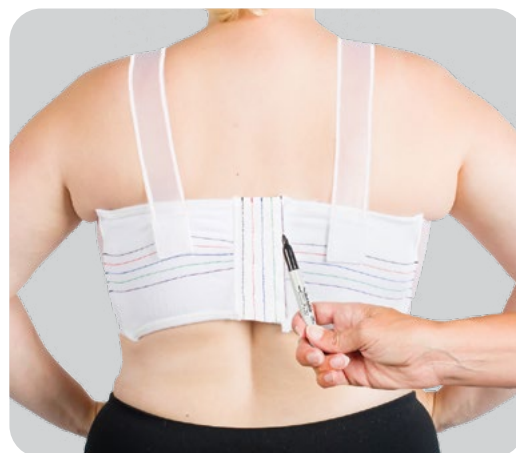
*Velcro attachments, located outside of treatment area, resulted in slight attenuation at 6 MeV

MRSeries™  **ProtonSeries™**

visionrt | COMPATIBLE



Treatment Bra



Available in 13 sizes; back extender and shoulder strap extenders offered for additional fitting and sizing options



Washable, reusable fitting bras provide a unique solution to properly size the patient

See VisionRT's compatibility statement on page 134.

Chabner XRT® Radiation Bra

All Inclusive Starter Packs

Sizes 1–5 fitting & treatment bras, back extender (Qty 2), shoulder extenders (5 sets, Qty 10), measuring tapes (Qty 50)	CRTBRASSTPK1-5
Sizes 5–9 fitting & treatment bras, back extender (Qty 2), shoulder extenders (5 sets, Qty 10), measuring tapes (Qty 50)	CRTBRASSTPK5-9
Sizes 9–13 fitting & treatment bras, back extender (Qty 2), shoulder extenders (5 sets, Qty 10), measuring tapes (Qty 50)	CRTBRASSTPK9-13
Sizes 1–13 fitting & treatment bras, back extender (Qty 4), shoulder extenders (5 sets, Qty 10), measuring tapes (Qty 50)	CRTBRASSTPK1-13

Individual Size	Radiation Bra Qty 1	Radiation Bra Qty 5	Fitting Bra Qty 1, Measuring Tapes (Qty 25)
1	CRTBRA01	CRTBRA01PK5	CRTFIT01
2	CRTBRA02	CRTBRA02PK5	CRTFIT02
3	CRTBRA03	CRTBRA03PK5	CRTFIT03
4	CRTBRA04	CRTBRA04PK5	CRTFIT04
5	CRTBRA05	CRTBRA05PK5	CRTFIT05
6	CRTBRA06	CRTBRA06PK5	CRTFIT06
7	CRTBRA07	CRTBRA07PK5	CRTFIT07
8	CRTBRA08	CRTBRA08PK5	CRTFIT08
9	CRTBRA09	CRTBRA09PK5	CRTFIT09
10	CRTBRA10	CRTBRA10PK5	CRTFIT10
11	CRTBRA11	CRTBRA11PK5	CRTFIT11
12	CRTBRA12	CRTBRA12PK5	CRTFIT12
13	CRTBRA13	CRTBRA13PK5	CRTFIT13

Fitting Kit

Sizes 1–13 fitting bras, back extender (Qty 1), measuring tapes (Qty 50)	CRTFITKIT1-13
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Radiation Bra Kits (treatment bras, Qty 1 each)

Sizes 1–5	CRTBRAKIT1-5
Sizes 5–9	CRTBRAKIT5-9
Sizes 9–13	CRTBRAKIT9-13
Sizes 1–13	CRTBRAKIT1-13

Extenders

Back Extender, one size (Qty 1)	CRTEXT01
Shoulder Extenders (5 sets, Qty 10)	CRTSHLDEXT01

NEW!

Medical

Precision b.v.



Comfort Marker 2.0 Patient Marking System

A new level of comfort for easy and temporary application of patient reference points.



Visit CIVCO's YouTube channel
for the Comfort Marker 2.0 video!

Comfort Marker 2.0 **NEW!**

Patient Marking System

Medical

Precision b.v.

Easy and Temporary Application of Patient Reference Points

Improve your patient's radiotherapy journey and gain clinical efficiencies with the Comfort Marker 2.0, developed by Medical Precision B.V. This revolutionary reference point device brings a new level of comfort to the start of the patient's radiotherapy treatment.

The easy-to-use system is designed specifically for use in radiotherapy using technology popular within the permanent make-up industry. The device is carefully engineered to apply reference marks with controlled depth injection, resulting in less pain to the patient compared to other marking methods. Points are temporary, fading over time or are easily removable with a simple laser session after the patient's treatment is complete.



Patient Benefits

- Gentle and controlled injection of pigment into skin with less pain to the patient
- Injects pigment at depth of 0.2–0.7 mm compared to common practice of 2–3 mm
- Reference points fade over time or are easily removable

Clinician Benefits

- Less pain keeps the patient relaxed and more cooperative throughout the process
- Fast, clean and disposable safety needle module minimizes risk of needle stick incidents
- Safe and simple operation with clear indication of depth settings
- Charged device allows portability in the CT room

Comfort Marker 2.0

MPCM2010INT	Comfort Marker 2.0 System, Qty 1
MPCM4022INT	Patient Marking Set. Includes: Safety Needle (Qty 50), Ink Cup (Qty 50), Black RadSafe Pigment (Qty 50)
MPCM5022INT	Patient Marking Set. Includes: Safety Needle (Qty 50), Ink Cup (Qty 50), White RadSafe Pigment (Qty 50)



Safety Needle, Ink Cup, Pigment

CE MARKED. CURRENTLY NOT AVAILABLE IN THE U.S.

"CIVCO's dosimetrically matched Universal Couchtops give us more confidence in dose calculations when planning patients who will be treated on the linac. Not having to use overlays has definitely provided us additional conveniences."

Brian Smaga, Radiation Therapist,
Agnesian Healthcare Cancer Care Services,
Fond du Lac, Wisconsin

Universal Couchtop™ & Overlays

Safe, Efficient Treatment Planning & Imaging

The Universal Couchtop (UCT) family is comprised of strong and lightweight couchtops with low attenuation and surface dose. These couchtops are ideal for IGRT tracking with options completely free of rails and junctions in the treatment area. They are available for most CT scanners and linear accelerators, providing a dosimetrically matched treatment platform from simulation to treatment.



5 Year Warranty on Universal Couchtop*

Universal Couchtop for Proton Therapy. See page 117 for details.

*One year warranty on Universal Couchtop MR Overlays



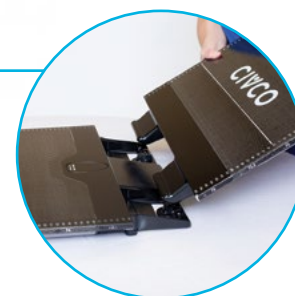
Junction, Rail and Artifact-free



The Universal Couchtop™ is a modern and comprehensive solution for enabling advanced treatments in your clinic. Specifically designed to answer the demands of IGRT delivery, the Universal Couchtop Long Extension contains no rails or junctions in the treatment area to help facilitate better dose delivery and target coverage.



- Large treatment area
- No support mechanism to move or account for in planning
- Low attenuation and surface dose
- Prodigy™ 2 indexing at 7 cm increments
- 5 Year Warranty
- Dosimetrically Matched* for most major CT, Linac and Proton models
VARIAN • ELEKTA • GE • PHILIPS • SIEMENS
CANON • FUJIFILM • IBA • HITACHI • MEVION
- Self-locking extension seam located outside of treatment field



Extensions to treat many disease sites



Solstice™
SRS Immobilization System



Type-S™ & Posifix®
Thermoplastics



Body Pro-Lok ONE™
Body Pro-Lok™



*CONTACT YOUR SALES REPRESENTATIVE FOR MORE INFORMATION.

Validated on Varian's TrueBeam™ and VitalBeam™ Radiotherapy Systems and Edge™ Radiosurgery System

Validated on TrueBeam and VitalBeam version 2.7 and higher software, including PerfectPitch™ 6 DoF and 4 DoF couch. Please contact your Varian sales representative for specific configuration.











Package includes: UCT LE Couchtop with 53.1" (134.9 cm) Rectangle Extension, Prodigy™ 2 Lok-Bar™, End Plate for Varian (MTIL6612), TrueBeam Reference Device (MTIL6151), Reference Lok-Bar, Wall Storage Device and mounting hardware

MTIL6142



Extension Options

							
MTIL6660	MTIL6661 w/ embedded wires	MTIL6662 Kevlar	MTIL6663 Grid	MTIL6670 Type-S	MTIL6672 Posifix	MTIL6671 Posifix trUpoint ARCH	MTIL6612 End Plate for Varian
53.1" (134.9 cm)	53.1" (134.9 cm)	53.1" (134.9 cm)	53.1" (134.9 cm)	49.1" (124.7 cm)	49.1" (124.7 cm)	49.1" (124.7 cm)	

Universal Couchtop Long Extensions have been validated on TrueBeam, VitalBeam & Edge. CIVCO positioning and immobilization devices have not been validated with TrueBeam, VitalBeam or Edge and Varian is not liable for use of these products. Universal Couchtop has not been validated on HyperArc™.

Universal Couchtop™ Long Extension



CT Compatibility

GE Discovery ST	MTIL6341
GE VCT1700	MTIL6342
GE VCT 2000	MTIL6343
GE HiSpeed	MTIL6341
Philips Brilliance	MTIL6440
Siemens Biograph	MTIL6042
Siemens Definition MPT Cradle	MTIL6045
Siemens Definition PHS 1 A/B Cradle	MTIL6044
Siemens Definition PHS 4	MTIL6046
Siemens Somatom Sensation	MTIL6043
Canon Aquilion (formerly Toshiba)	MTIL6540
Canon Aquilion One (formerly Toshiba)	MTIL6541

Linac Compatibility

Varian TrueBeam™	See page 18
Varian Exact® couch for Clinac® and Trilogy® Systems	MTIL6140
Varian Exact couch for Clinac and Trilogy Systems with Protura	MTIL6141
Elekta	MTIL6240
Siemens TXT or Protura	MTIL6040
Siemens ZXT	MTIL6041

All part numbers include UCT LE Couchtop with 53.1" (134.9 cm) Rectangle Extension, Prodigy 2 Lok-Bar and Wall Storage Device (MTIL6100SU, holds one extension). Pedestal side only purchasing options are available. Please contact your sales representative for more information.

Proton Compatibility **NEW!**

See page 117

Universal Couchtop Long Extensions have been validated on TrueBeam, VitalBeam & Edge. CIVCO positioning and immobilization devices have not been validated with TrueBeam, VitalBeam or Edge and Varian is not liable for use of these products. Universal Couchtop has not been validated on HyperArc™.

Universal Couchtop™ 1 Piece



The Universal Couchtop 1 Piece is an ideal IGRT and SBRT solution with a uniform design and no junctions. This couchtop offers a dosimetrically matched couchtop for most major CT and Linac models.

CT Compatibility

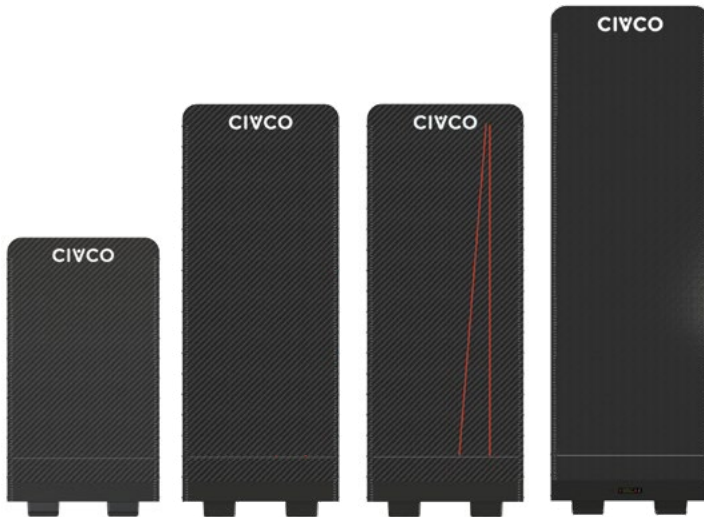
GE Discovery ST	MTIL6321
GE Global 1700	MTIL6322
GE Global 2000	MTIL6323
GE HiSpeed	MTIL6320
Philips Brilliance	MTIL6420
Siemens Biograph	MTIL6022
Siemens Definition PHS 1 A/B Cradle	MTIL6024
Siemens Definition PHS 4 Cradle	MTIL6026
Siemens Somatom Sensation	MTIL6023
Canon Aquilion (formerly Toshiba)	MTIL6520
Canon Aquilion One (formerly Toshiba)	MTIL6521
FujiFilm FTC Embrace	Contact FujiFilm

Linac Compatibility

Varian Exact® couch for Clinac® and Trilogy® Systems	MTIL6120
Varian Exact couch for Clinac and Trilogy Systems with Protura™	MTIL6121
Elekta	MTIL6220
Siemens TxT or Protura	MTIL6020
Siemens ZXT	MTIL6021



Universal Couchtop™ Extension Options



Rectangular Extensions

MTIL6669	36.6" (92.9 cm) Short Extension helps manage overall couchtop length when extending overlays past the end of the couch.
MTIL6660*	53.1" (134.9 cm) Standard Extension
MTIL6661*	53.1" (134.9 cm) Extension w/ embedded wires (shown in red) provides additional verification to ensure the patient is correctly aligned under Linac isocenter relative to table position.
MTIL6676	64.9" (164.8 cm) Extension, CT
MTIL6673	64.9" (164.8 cm) Extension (see page 117)

SBRT Enabled

No overlays needed!

CIVCO's ONEBridge™, Body Pro-Lok™ Bridges, Respiratory Belt and accessories attach directly to the Universal Couchtop.



See pages 29 and 31 for Universal Couchtop and Body Pro-Lok Package and Respiratory Restriction Package options.



Kevlar Extension

Compatible with Varian's Calypso® System.

MTIL6662*	53.1" (134.9 cm)
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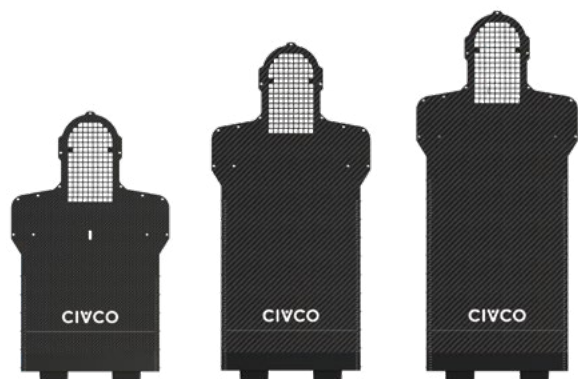
Grid Extension

Helps minimize surface dose and skin reactions.

MTIL6663*	53.1" (134.9 cm)
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Universal Couchtop Long Extensions have been validated on TrueBeam, VitalBeam & Edge. CIVCO positioning and immobilization devices have not been validated with TrueBeam, VitalBeam or Edge and Varian is not liable for use of these products. Universal Couchtop has not been validated on HyperArc™.

Universal Couchtop™ Extension Options



Type-S™ Extensions

Allows for direct attachment of Solstice™ SRS and Solstat™ Immobilization Systems and all CIVCO Type-S Thermoplastics, including the ClearVision™ open face mask designed for use with vision/camera systems.

49.1" and 53.1" Extensions do not have a central Vac-Lok™ point, therefore provides a larger unobstructed treatment region.

MTIL6665	39.1" (99.3 cm)
MTIL6670*	49.1" (124.7 cm)
MTIL6664	53.1" (134.9 cm)

Posifix® Extensions

Allows for direct attachment of Solstice SRS and Solstat Immobilization Systems and CIVCO's Posifix Thermoplastics.

MTIL6666	39.1" (99.3 cm)
MTIL6672*	49.1" (124.7 cm)

Allows for direct attachment of trUpoint ARCH™ SRS/SRT System, Solstice SRS and Solstat Immobilization Systems and CIVCO's Posifix Thermoplastics.

MTIL6668	39.1" (99.3 cm)
MTIL6671*	49.1" (124.7 cm)

ProForm™ Extension NEW!

Designed for the unique requirements of proton therapy. See page 118.

MTIL6675K	53.9" (136.9 cm), includes cushion forming guide and patient handles
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Solstice™
SRS Immobilization System



trUpoint™
ARCH™



ProForm™

Universal Couchtop Long Extensions have been validated on TrueBeam, VitalBeam & Edge. CIVCO positioning and immobilization devices have not been validated with TrueBeam, VitalBeam or Edge and Varian is not liable for use of these products. Universal Couchtop has not been validated on HyperArc™.

Universal Couchtop™ Accessories



Prodigy™ 2 Lok-Bar

- For use with all Universal Couchtops

MTIL6050	Standard
MTIL6051	Transverse (allow for offsetting patient laterally on the couchtop)



Patient Handles ProtonSeries™

- Clamp to the Universal Couchtop, providing a stable place for immobilized patients to place their hands

MTIL662501	Right handle
MTIL662502	Left handle



UCT Head Extension

- Secures to any UCT via a Prodigy 2 Lok-Bar™ allowing an additional 17 cm of treatment area
- Also compatible with Universal Couchtop 1 Piece

MTIL6617



Varian MPC IsoCal Phantom Mount

MTIL6152	Compatible with software version 2.7
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End Plates for Varian

- Allows for use of QA devices



MTIL6667	Interface Extension
	<ul style="list-style-type: none"> • Attaches to UCT LE junction • Compatible with: <ul style="list-style-type: none"> MTIL6140–Varian Exact® couch for Clinac® and Trilogy® Systems MTIL6141–Varian Exact couch for Clinac and Trilogy Systems with Protura™

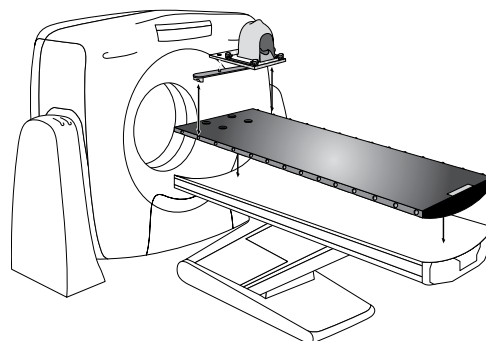


MTIL6612	Interface Sleeve
	<ul style="list-style-type: none"> • Slides onto end of Rectangular Extensions, excluding Grid • Compatible with: <ul style="list-style-type: none"> MTIL6140–Varian Exact couch for Clinac and Trilogy Systems MTIL6141–Varian Exact couch for Clinac and Trilogy Systems with Protura MTIL6142–TrueBeam™ and VitalBeam™ Systems MTIL6120–Varian Exact couch for Clinac and Trilogy Systems MTIL6121– Varian Exact couch for Clinac and Trilogy Systems with Protura

CT Overlays

Carbon fiber one piece 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 imaging machines.

- Made of carbon fiber with a foam core
- Two-pin Lok-Bars™ allow positioning devices to be indexed to couchtop (14 cm intervals)



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

CT Overlay for	Part #	Indexing Style	Compatible Lok-Bar	Compatible Transverse Lok-Bar
Siemens				
SOMATOM Sensation (before Aug 2004)	MTIL3001	Prodigy	MTIL3653	MTIL3652
SOMATOM Sensation (after Aug 2004)	MTIL3013	Prodigy	MTIL3653	MTIL3652
SOMATOM Definition (PHS4 cradle)	MTIL3019	Prodigy	MTIL3653	MTIL3652
SOMATOM Definition, Emotion, Spirit, Perspective (PHS 1A or 1B cradle)	MTIL3020	Prodigy	MTIL3653	MTIL3652
Biograph	MTIL4101	Interloc	MTIL3151	MTIL3152
Canon (formerly Toshiba)				
Aquilion (Short)	MTIL3704	Interloc	MTIL3151	MTIL3152
Aquilion (Long)	MTIL3705	Interloc	MTIL3151	MTIL3152
Aquilion One	MTIL3706	Prodigy	MTIL3653	MTIL3652
GE				
HiSpeed Advantage, HiSpeed CT/i, LightSpeed QX/i	MTIL3300	Interloc	MTIL3151	MTIL3152
Discovery LS	MTIL3306	Interloc	MTIL3350	-
Discovery ST (H-Power Base)	MTIL3310	Interloc	MTIL3151	MTIL3152
LightSpeed VCT Discovery ST (Global Base)	MTIL3311	Prodigy	MTIL3653	MTIL3652
Philips				
Marconi MX8000	MTIL3502	Prodigy	MTIL3653	MTIL3652
Gemini PET/CT	MTIL3404	Interloc	MTIL3151	MTIL3152

For MR Overlay options, see page 113.

CT Accessories & Storage



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 36 cm 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.

MTIL3006002 Foot Extension, Prodigy™



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.

MTIL1104

Universal Couchtop™ Storage



Long Extension Storage Device

MTIL6000SU For up to four long extensions

MTIL6100SU For one long extension (included in UCT LE package)

Lok-Bars™



Prodigy™ 2 Lok-Bar

The Prodigy 2 Lok-Bar with 7 cm spacing is for use with all Universal Couchtops™.

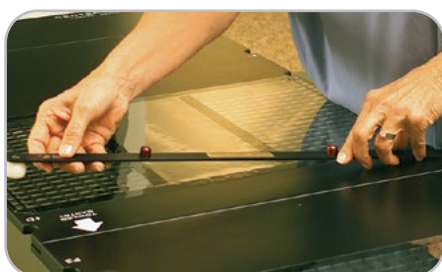
MTIL6050	Standard
MTIL6053	Fiberglass (recommended for use with UCT LE Kevlar Extension)
MTIL6051	Transverse (allow for offsetting patient laterally on the couchtop)
MTIL6054	MR, Three-Pin



Prodigy Lok-Bar

The Prodigy Lok-Bar with 14 cm spacing is for use with Prodigy style indexed couchtops. The Slim Prodigy Lok-Bar features smaller side profiles.

MTIL3650	for 53 cm wide couchtop
MTIL3651	for 50 cm wide couchtop
MTIL3653	Slim Prodigy for 53 cm wide couchtop



Interloc® Lok-Bar

The Interloc Lok-Bar with 14 cm spacing is for use with Interloc style indexed couchtops.

MTIL3350	for 48 cm wide couchtop
MTIL3051	for 49.5 cm wide couchtop
MTIL3850	for 50 cm wide couchtop
MTIL3151	for 53 cm wide couchtop



Exact® Lok-Bar

The Exact Lok-Bar with 14 cm spacing is for use with Exact or Interloc style indexed couchtops.

20VARSUB10	for 53 cm wide couchtop
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Lok-Bars™



Transverse Lok-Bar

The Transverse Lok-Bar allows for lateral movement of the two-pin system across the couchtop, providing more options in positioning the patient on the couchtop. The Transverse Lok-Bar is available in Prodigy™, Prodigy 2, Interloc®, PinnPoint™, Exact® and Medical Intelligence indexing styles.

MTIL3152	Interloc, 53 cm
MTVAR46	Exact, 53 cm
MTIL3652	Prodigy, 53 cm
MTIL6051	Prodigy 2, 53 cm
MTIL3950	Medical Intelligence

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 designed to prevent lateral movement and is useful for longer devices such as bellyboards, breastboards and Vac-Lok™ Cushions, which contract during forming.

MTVL00853	Standard, 40 – 53 cm
MTIL1006	Transverse, 48 – 53 cm

Three-Pin Lok-Bar

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. See pages 111–115 for MRSeries.

MTIL3351	Interloc 50 cm
MTIL3352	Interloc 53 cm
MTIL3454	Prodigy 50 cm
MTIL6054	Prodigy 2, 53 cm
MTULB001	Elekta Unity MR-Linac NEW!

"We have become a referral center for SBRT patients and have employed CIVCO's Body Pro-Lok system for several years. It is my opinion that reproducible immobilization and abdominal compression is vital to assist in accurate targeting of lung cancers and other localized tumors. We recently upgraded our Body Pro-Lok system to the new Body Pro-Lok ONE and added a second complete system. We find it to be more flexible and efficient, especially with larger patients, without sacrificing the precision I demand."

Ronald C. McGarry, M.D., Ph. D. University of Kentucky, Lexington, Kentucky

SBRT

(Stereotactic Body Radiation Therapy)

Customizable, Efficient, Reproducible

The Body Pro-Lok ONE™, Body Pro-Lok and Rails-Only Systems provide an easy-to-use modular system for complex SBRT setups, including unique design features allowing for improved patient positioning and compression.

Each system provides full body immobilization for hypofractionation treatments and allows customized setups to meet the patient's needs, including two options (plate or belt) for reducing respiratory motion.



Visit CIVCO's YouTube channel
for the Body Pro-Lok ONE
Instructional Video



Body Pro-Lok ONE™ Respiratory Restriction



Body Pro-Lok ONE provides one simple solution for complex SBRT patient setups. This system features the ONEBridge, with unique design features allowing for improved patient positioning and compression plate restriction.

ONEBridge™ with Wide or Standard Respiratory Plate

- Variable height adjustment with just one bridge
- Lateral offset ability allows the bridge and plate to adapt to the patient's natural posture and body type
- Tilting offset ability allows optimal patient positioning for enhanced gantry clearance
- Advanced latch engineered to release in less than 3 seconds for patient safety
- The Respiratory Plate places pressure at the level of the diaphragm to assist in restricting respiratory movement



ONEBridge w/ Wide Respiratory Plate and ComfortCare Cushion



ONEBridge w/ Standard Respiratory Plate

Wide Plate & ComfortCare™ Cushion

- Helps diffuse pressure across the abdominal region resulting in a more tolerable compression for the patient
- ComfortCare Cushions provide an added dimension of customized comfort, forming to the contours of the patient



Wide Plate, ComfortCare Cushion and Hand Pump



Standard Plate



ONE Respiratory Belt

- Provides pneumatic compression and immobilization to the abdominal region for SBRT treatments

 ProtonSeries™



For customization options, see pages 34 – 38.

Body Pro-Lok ONE™ Integration



Universal Couchtop™

- Body Pro-Lok ONE positioning devices connect to the Universal Couchtop, allowing customized setups with bridges that secure directly to couchtop
- The Universal Couchtop is available for Linac and CT, providing an environment in simulation that is reproducible and dosimetrically matched in treatment

See pages 16 – 19 for details.



ONEPlatform™

- Universal Couchtop profile and indexing options provide for seamless integration of CIVCO's positioning devices
- Indexing holes and Transverse Lok-Bar™ allow lateral offset of platform for optimal clearance
- Kevlar material is MR Safe
- Lightweight and 72" long



Elekta iBEAM® evo Couchtop

- ONEBridge and ONE Respiratory Belt are compatible via a special adapter



ONEBridge w/ evo Adapter



ONE Respiratory Belt w/ evo Adapter

Comprehensive Accessory Packages

	UCT	evo
ONEBridge™	Qty 2	Qty 2
ONEBridge Storage Base	2	2
Body Pro-Lok ONE Respiratory Belt	1	1
Standard Respiratory Plate	1	1
Clam-Lok™ Cushion	2	2
Kneefix™ 3 Cushion	1	1
Feetfix™ 3 Cushion	1	1
Monarch™ Overhead Arm Positioner	0	1
T-Shape Vac-Lok™	0	1
Body Pro-Lok ONE evo Adapter	0	2 Pair
	BPLONEUPG3	BPL230

ONEPlatform Packages

	One	Two
ONEPlatform w/ four 3-pin Lok-Bars	Qty 1	Qty 1
ONEBridge	1	2
ONEBridge Storage Base	1	2
Body Pro-Lok ONE Respiratory Belt	1	1
Standard Respiratory Plate	1	1
Clam-Lok Cushion	1	2
Kneefix 3 Cushion	1	1
Feetfix 3 Cushion	1	1
	BPL100	BPL110
Body Pro-Lok ONE evo Adapter (in addition to all accessories above)	1 Pair	2 Pair
	BPL200	BPL210

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

Body Pro-Lok™

Respiratory Restriction



The Body Pro-Lok System provides an easy-to-use modular system for complex SBRT setups. These modular components are indexable to allow for reproducible setup day to day, including bridges, respiratory plate and belt options to help control patient breathing.

Body Pro-Lok Bridges with Wide or Standard Respiratory Plate

- Three bridge options accommodate different patient sizes and provide immobilization from above
- The Respiratory Plate places pressure at the level of the diaphragm to assist in restricting respiratory movement



Wide Plate & ComfortCare™ Cushion

- Helps diffuse pressure across the abdominal region resulting in a more tolerable compression for the patient
- ComfortCare Cushions provide an added dimension of customized comfort, forming to the contours of the patient



Wide Plate, ComfortCare Cushion and Hand Pump



Standard Plate



Respiratory Belt

- Provides pneumatic compression and immobilization to the abdominal region for SBRT treatments



For customization options, see pages 34 – 38. For Rails-Only Packages, see page 33.

Body Pro-Lok™ Integration



Universal Couchtop™

- Body Pro-Lok positioning devices connect to the Universal Couchtop via adapters, allowing customized setups with bridges that will secure directly to the couchtop
- The Universal Couchtop is available for Linac and CT, providing an environment in simulation that is reproducible and dosimetrically matched in treatment

See pages 16 – 19 for details.



Accessory Packages

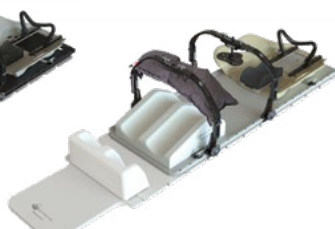
	Comprehensive	Respiratory Restriction
Type 1B Bridge	Qty 2	Qty 1
Type 2 Bridge	2	1
Type 3 Bridge	1	-
Prodigy™ 2 Lok-Bar™	3	-
Standard Respiratory Plate	1	1
Respiratory Belt	1	1
Type 2 & 3 Bridge Adapter Pair	2	1
Type 1B & Shoulder Restraint Bridge 2 Adapter Pair	3	1
Respiratory Belt Adapter Pair	1	1
Forehead Restraint	1	-
Shoulder Restraint Bridge 2	1	-
UCT Patient Handle (Right)	1	-
UCT Patient Handle (Left)	1	-
Clam-Lok™ Cushion	2	-
	MTSBRT310	MTSBRT300

Carbon Fiber & Kevlar Platforms

- Provides seamless setup of patient from imaging/simulation to the Linac unit
- Compatible with existing CIVCO positioning equipment via standard two-pin (Carbon Fiber) and three-pin (Kevlar) indexing
- Provides low attenuation with homogeneous design for planning consistency



Carbon Fiber Platform



Kevlar Platform
MRSeries™

Carbon Fiber & Kevlar Platform Packages

	Lite	Ultra-Lite
Platform (Carbon Fiber or Kevlar)	Qty 1	Qty 1
Type 1B Bridge	2	1
Type 2 Bridge	2	1
Type 3 Bridge	1	-
Standard Respiratory Plate	-	1
Respiratory Belt	-	1
T-Pin Lok-Bar	4	4
Clam-Lok Cushion	1	2
Kneefix™ 3 Cushion	-	1
Carbon Fiber	MTSBRT001L	MTSBRT320
Kevlar	MTSBRT410K	MTSBRT420K

Body Pro-Lok ONE™ Rails-Only Integration



The Body Pro-Lok ONE Rails-Only System provides compatibility of the Body Pro-Lok ONEBridge™ and ONE Respiratory Belt on IGRT couchtops and CT overlays with Varian Exact® indexing when avoidance of an overlay or platform is preferred.



Rails-Only System

Bridges and accessories are sold separately.

BPL020	53 cm, Varian Exact
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Accessory Package

ONEBridge	Qty 1
ONEBridge Storage Base	1
ONE Respiratory Belt	1
Standard Respiratory Plate	1
BPL ONE Exact/IGRT Rails-Only	1
BPL300	

For customization options, see pages 34 – 38.

Body Pro-Lok™ Rails-Only Integration



The Body Pro-Lok Rails-Only System utilizes Body Pro-Lok Bridges and accessories when Universal Couchtop™ is not available and avoidance of an overlay or platform is preferred. The Interloc® and Prodigy™ versions are MRI compatible.



Rails-Only System

Includes one rail assembly with attached Lok-Bars™. Bridges and accessories are sold separately.

MTSBRT060 53 cm, Varian Exact

Accessory Packages

	Comprehensive	Respiratory Restriction
Type 1B Bridge	Qty 2	Qty 1
Type 2 Bridge	2	1
Type 3 Bridge	1	-
Standard Respiratory Plate	1	1
Respiratory Belt	1	1
Forehead Restraint	1	-
Shoulder Restraint Bridge 2	1	-
Patient Handle	1	-
Patient Handle (mirror)	1	-
Clam-Lok™ Cushion	2	-
	MTSBRT360	MTSBRT350

For customization options, see pages 34 – 38.

System Customization

See ✓ for compatibility



ONEBridge™

Unique design features allow for improved patient positioning and compression plate restriction.
See page 28 for more details.

- ✓ BPL ONEPlatform
- ✓ BPL ONE Rails-Only
- ✓ Universal Couchtop

BPL001



Body Pro-Lok™ Bridges

Three bridge options accommodate different patient sizes and provide immobilization from above.

- ✓ BPL Platforms
- ✓ BPL Rails-Only
- ✓ Universal Couchtop with Adapter (p.38)

MTSBRT039 Type 1B (small)

MTSBRT007 Type 2 (medium)

MTSBRT031 Type 3 (large)

Bridge Accessories

Wide Respiratory Plate with ComfortCare™ Cushion

Helps diffuse pressure across the abdominal region while adding a dimension of customized comfort for the patient.



BPL120 Start up Kit (Wide Plate + 3 Cushions + Hand Pump)

BPL007 ComfortCare Cushions, Qty 3

BPL008 Wide Respiratory Plate

BPL009 Hand Pump



Standard Respiratory Plate

Places pressure at the level of the diaphragm to assist in restricting respiratory movement.

MTSBRT003



Clam-Lok™ Cushion

Forms to comfortably enhance immobilization from above.

VLSBRT202FC



Forehead Restraint

Attaches to the bridge and provides a padded restraint mechanism for the head.

MTSBRT018



Body Pro-Lok ONE™ evo Adapter

Allows for 1 cm indexing of the ONEBridge and ONE Respiratory Belt to iBEAM® evo Couchtops.

BPL010 1 Pair

System Customization

See ✓ for compatibility



ONE Respiratory Belt

Provides pneumatic compression and immobilization to the abdominal region.

- ✓ BPL ONEPlatform
- ✓ BPL ONE Rails-Only
- ✓ Universal Couchtop

BPL002



Respiratory Belt

Provides pneumatic compression and immobilization to the abdominal region.

- ✓ BPL Platforms
- ✓ BPL Rails-Only
- ✓ Universal Couchtop with Adapter (p.38)

MTSBRT004



ONEPlatform™

Universal Couchtop™ profile and indexing options provide seamless integration of positioning devices.

Weight: 14.5 lbs (6.6 kg) Length: 72" (1829 mm)

See page 29 for more details.

- ✓ BPL ONE

BPL003



Carbon Fiber Platform

Provides seamless setup of the patient from imaging/simulation to the Linac unit.

Weight: 18.8 lbs (8.5 kg) Length: 83" (2108 mm)

See page 31 for more details.

- ✓ BPL

MTSBRT002



Kevlar Platform

Provides seamless setup of the patient from imaging/simulation to the Linac unit.

Weight: 12.4 lbs (5.6 kg) Length: 56.25" (1429 mm)

See page 31 for more details.

- ✓ BPL

MTSBRT070



Monarch™ Overhead Arm Positioner

Dual function hand grips allow for natural flexion of the patient's wrists while providing increased positioning options for the clinician.

See page 80 for ordering options.

- ✓ Compatible with all Body Pro-Lok ONE and Body Pro-Lok Setups

OAP110

System Customization

See ✓ for compatibility



T-Shape Vac-Lok™

Provides arms-up positioning while cradling the torso region. May be used with the Monarch Overhead Arm Positioner or a Wing Board™.

✓ Compatible with all Body Pro-Lok ONE and Body Pro-Lok Setups

VL0017	Nylon w/ indexing, Tapered mid-section
VL0018	Nylon w/ indexing, Non-Tapered mid-section



Kneefix™ 3 & Feetfix™ 3 Cushions

Contributes to better stability and reproducibility in the supine position.

✓ Compatible with all Body Pro-Lok ONE and Body Pro-Lok Setups

301052	Kneefix 3
301071	Feetfix 3
301055	Elevation Block



Patient Handles

Patient handles clamp to the ONEPlatform™ or Universal Couchtop™, providing a stable place for immobilized patients to place their hands.

✓ BPL ONEPlatform
✓ Universal Couchtop

MTIL662501	Right handle
MTIL662502	Left handle



Patient Handles

Patient handles clamp to the Carbon Fiber and Kevlar Platforms or the Rails-Only system, providing a stable place for immobilized patients to place their hands.

✓ BPL Platforms
✓ BPL Rails-Only

MTSBRT005	Right handle
MTSBRT0051	Left handle



Shoulder Restraint Bridge 2

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

✓ BPL Platforms
✓ BPL Rails-Only
✓ Universal Couchtop with Adapter (p.38)

MTSBRT038

System Customization

See ✓ for compatibility



Three-Pin Lok-Bar™

Allows positioning devices to be fixed to the ONEPlatform™ or Universal Couchtop™ for enhanced reproducibility.

- ✓ BPL ONEPlatform
- ✓ Universal Couchtop

MTIL6054 Prodigy 2, 53 cm



Slide Guide Lok-Bar

Ideal for Vac-Lok™ bags, the Slide Guide Lok-Bar slides longitudinally along the couchtop rather than locking down to indexing points.

- ✓ BPL ONEPlatform
- ✓ Universal Couchtop

MTVL00853



Transverse Lok-Bar

Gives the ability to move the 2-pin system laterally across the couchtop.

- ✓ BPL ONEPlatform
- ✓ Universal Couchtop

MTIL6051 Prodigy 2, 53 cm



T-Pin Lok-Bars

Allows most indexable positioning aids to be indexed to the Body Pro-Lok™ Platform.

- ✓ Body Pro-Lok Carbon Fiber and Kevlar Platforms

MTSBRT009 Two Pin (Carbon Fiber Platform)

MTSBRT264 Three Pin (Kevlar Platform)



T-Pin Lok-Bars

Allows most indexable positioning aids to be indexed to the Body Pro-Lok Rails-Only System.

- ✓ Body Pro-Lok Rails-Only

MTSBRT055 Two Pin

MTSBRT054 Three Pin



Prodigy™ 2 Lok-Bar

Allows positioning devices to be indexed to the Universal Couchtop.

- ✓ Universal Couchtop

MTIL6050

System Customization

See ✓ for compatibility



ONEBridge™ Storage Base

Designed to sit on a countertop or cart.
Holds the ONEBridge in an upright position.

✓ BPL ONEBridge

BPL005



Storage

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

✓ BPL Bridges

MTSBRT203	Cart
MTSBRT224	Wall Unit

Adapters

Allows Body Pro-Lok™ Bridges and Respiratory Belt
to connect directly to the Universal Couchtop™.



MTIL6615	Type 2 & 3 Bridge Adapter, Qty 2 (left photo)
MTIL6616	Type 1B Bridge & Shoulder Restraint Bridge 2 Adapter, Qty 2 (middle photo)
MTIL6620	Respiratory Belt Adapter, Qty 2 (right photo)

For additional Wing Board™ and Headrest options,
see pages 73, 74 & 86.



"We could not reach the level of accuracy required for SBRT patients without using our Protura system. It is especially important in stereotactic treatments, where the highest level of positional accuracy is needed due to tight margins and proximity of critical structures. Because of the ability to make rotational adjustments in patient positioning, the system allows for treatment of more than one lesion simultaneously, which is easier for the patient as well."

Joseph Bargellini, MD, Medical Director of Radiation Oncology
at Diebold Family Cancer Center, New Milford, Connecticut

Protura™ Robotic Patient Positioning System

Integrated, Accurate, Efficient

The 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.



Protura™ Robotic Patient Positioning System



Compatible with Varian Trilogy® and Clinac® Series; Elekta Infinity™, Synergy® and Versa HD™; Siemens TXT pedestals
Additional Radiotherapy System Interfaces include Vision RT, Align RT® and TheraView.



Integrated

Linac system interfaces with Varian and Elekta to automatically transfer 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 accuracy 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

Extensions to treat many disease sites

Protura features Universal Couchtop with multiple Long Extension options to treat many disease sites.

See pages 19 – 22 for details on UCT LE.



Solstice™
SRS Immobilization System



Type-S™ & Posifix®
Thermoplastics



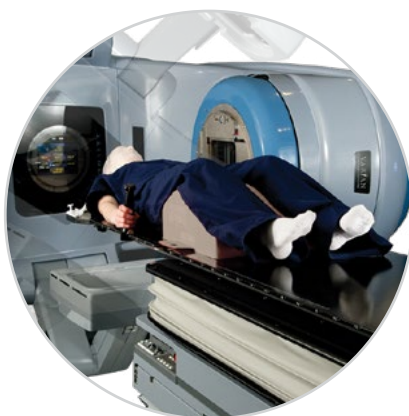
Body Pro-Lok ONE™
Body Pro-Lok™



Protura™ Workflow



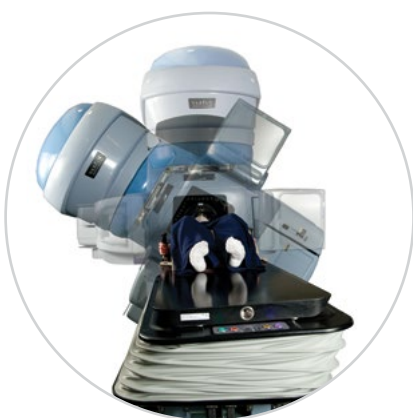
1 Load patient onto Protura, set up for treatment and align patient to isocenter



2 Image patient with preferred IGRT method



3 Remotely position patient with 6 degrees of freedom



4 Perform treatment

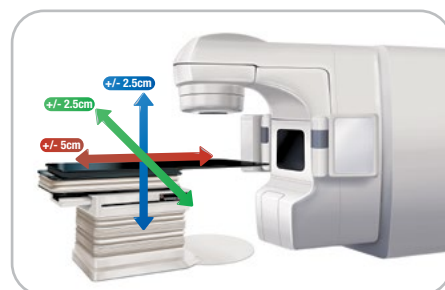


5 Lower the Protura and pedestal, unload the patient

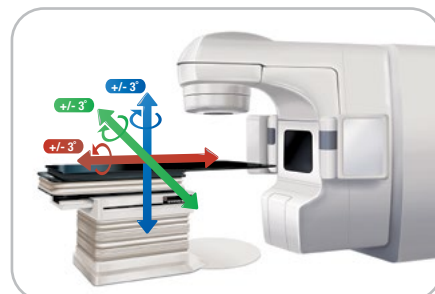
Technical Specifications

System Height	15 cm (5.9") in load position 20 cm (7.8") in treatment position
System Weight	90 kg (198 lbs)
Resolution	0.1 mm; 0.1°
Speed	Slow, Medium, Fast (up to 16 mm/second)
Maximum Patient Load	200 kg (440 lbs)

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



Translational Ranges



Rotational Ranges

"We are very satisfied with the Solstice product. The match data of CBCT's made prior and after the treatment indicates high accuracy and stability. The pitch correction functionality gives us extra reassurance in positioning accuracy of the patient especially in treatment of multiple metastases using single isocenter."

Dr. Chin Loon Ong, Medical Physicist,
Department of Radiotherapy Haga Hospital, Den Haag, Zuid Holland

SRS/SRT

(Stereotactic Radiosurgery/Radiotherapy)

Non-invasive immobilization for precise treatment

The Solstice™ SRS Immobilization System brings leading-edge innovation and advancement of non-invasive, head and neck treatment with its unique corrective pitch capability and positioning flexibility. Effective immobilization with trUpoint ARCH can also be accomplished with multiple points of fixation for an accurate and secure hold.



Visit CIVCO's YouTube channel
for the Solstice and trUpoint
ARCH Instructional Videos



Solstice™ SRS Immobilization System

Solstice™
SRS Immobilization System

The Solstice SRS Immobilization System provides unique corrective pitch capability and positioning flexibility for submillimeter accuracy to treat multiple lesions with a single isocenter. The system is comprised of a head support, customizable cushion and dedicated thermoplastic mask designed for secure and simple attachment. These components create a highly customizable and comfortable head and neck immobilization system for precise treatment to improve patient outcomes.

- Midline thermoplastic mask attachment provides increased rigidity and minimizes shrinkage to enhance patient comfort
- Highly conformal to the patient when using a customizable cushion and dedicated thermoplastic mask
- Unique thermoplastic frame provides easy to use, secure and quiet mask attachment



Accurate transfer from
MR imaging to treatment

MRSeries™

Variable pitch capability provides increased setup options in CT simulation, MR imaging (with glass fiber MR version) and corrective positioning flexibility during treatment setup



Glass Fiber



Carbon Fiber



Pitch at 0 (chin down)



Pitch at 5 (neutral)



Pitch at 10 (chin up)



Solstice™ SRS System Customization

NEW! Glass Fiber MR Version Now Available!

SGRT Starter Kit

visionrt COMPATIBLE

Kit includes: Head Support, Solstice ClearVision™ Open-face Thermoplastic, Standard (x10), 20 x 35 cm Chamfered AccuForm™ Cushion (x10), Precise Bite™ (x5).

CHS03SGK	Carbon Fiber, Posifix®
CHS04SGK	Carbon Fiber, Type-S™
CHS03MRSGK	Glass Fiber MR, Posifix
CHS04MRSGK	Glass Fiber MR, Type-S

Standard Starter Kit

Kit includes: Head Support, Solstice IMRT Reinforced Thermoplastic Style 18, Standard (x10), 20 x 35 cm Chamfered AccuForm Cushion (x10), Precise Bite (x5).

CHS03K	Carbon Fiber, Posifix
CHS04K	Carbon Fiber, Type-S
CHS03MRK	Glass Fiber MR, Posifix
CHS04MRK	Glass Fiber MR, Type-S



Universal Couchtop™
Long Extension

Universal Couchtop™

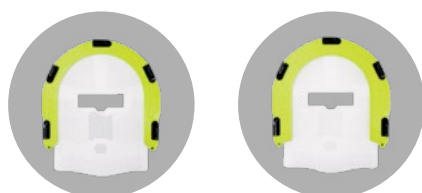
Type-S and Posifix Long Extensions allow for direct attachment of Solstice.

See pages 19 – 22 for Universal Couchtop Long Extension details.
See pages 49 – 50 for Type-S Baseplates & Overlays.
See pages 62 – 63 for Posifix Baseplates & Overlays.



Head Support

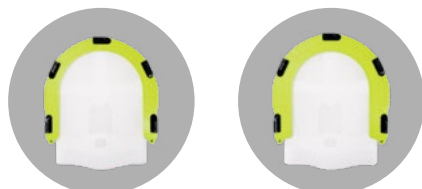
CHS03	Carbon Fiber, Posifix (left image)	Qty 1
CHS04	Carbon Fiber, Type-S	Qty 1
CHS03MR	NEW! Glass Fiber, MR, Posifix (right image)	Qty 1
CHS04MR	NEW! Glass Fiber, MR, Type-S	Qty 1



ClearVision™ Thermoplastic

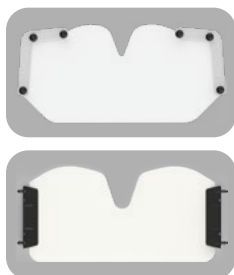
visionrt COMPATIBLE

MTAPCID1832SG	Standard (left image)	Qty 5
MTAPCIN1832SG	Narrow (right image)	Qty 5



IMRT Reinforced Thermoplastic,™ Style 18

MTAPCID1832	Standard (left image)	Qty 1
MTAPCIN1832	Narrow (right image)	Qty 1



Shoulder Thermoplastic **NEW!**

MTAPSSTS	Type-S, Standard White, Solid (top image)	Qty 5
MTAPSPSF	Posifix, Standard White, Solid (bottom image)	Qty 5



AccuForm™ Cushions

MTACL2035	20 x 35 cm Chamfered	Qty 1
MTACL2035HF	20 x 35 cm Chamfered, Half Fill	Qty 1



Precise Bite™

See page 70 for additional Precise Bite options.

MTCBPBITE	Standard	Qty 5
MTCBPBITES	Small	Qty 5

See VisionRT's compatibility statement on page 134.

trUpoint ARCH™ SRS/SRT Immobilization



Immobilization with trUpoint ARCH is accomplished using multiple components – a custom head support, bite tray, thermoplastic mask and nasion cushions – allowing a truly custom hold for superior results. Each of these components are designed specifically for SRS patient immobilization and each trUpoint ARCH setup is specific to the individual patient, ensuring excellent reproducibility from fraction to fraction.

- Less than 1 mm of patient movement permitted during intrafraction immobilization testing (based on the 90% confidence intervals of the vertical, longitudinal and lateral mean intrafraction values)
- Frameless arch design provides a secure hold with no surgical attachment to the patient
- Interfraction patient positioning tests show equivalency to higher-priced competitive systems
- When used with CIVCO's Universal Couchtop™, setups are dosimetrically matched from simulation to treatment



trUpoint ARCH Starter Kit MRSeries™

Kit includes: trUpoint ARCH, Acrylic Posifix Baseplate, Storage Base, Posicast® Thermoplastic (x10), Individual Head Support (x10), Bite Putty (12 applications), Bite Cups (x12), Bite Trays (x12), Putty Dispenser, Nasion Cushions (x12)

*Putty Dispenser is MR Unsafe and must be used for setup outside of the MR environment.



MTHF150

Reorder Items

MTHF016	Nasion Cushions, Qty 12
MTHF033	Bite Tray, Qty 12
MTHF135	Bite Cup, Qty 12
MTHF225	Bite Putty, Qty 12
MTIHS01	Individual Headrest, Posifix style
970031	Posicast-Lite Head Only (3 pt) 2.3 mm, Qty 10



Universal Couchtop Universal Couchtop™ Long Extension

Posifix Long Extension allows for direct attachment of trUpoint ARCH.

See pages 43 – 43 for Universal Couchtop Long Extension details.

MTIL6668	39.1" (99.3 cm)
MTIL6671	49.1" (124.7 cm)

trUpoint ARCH Compatible Baseplates

108072	iBEAM™ Overlay Adapter
108020	Varian Style Extension
101019	Posifix®-1 Acrylic Overlay MRSeries™

Head & Neck

Enhanced Positioning & Immobilization

There are three essential components to a head & neck system:

- Thermoplastic masks, providing positioning and immobilization from imaging through treatment
- Headrests, providing enhanced repositioning, accuracy and patient comfort
- Extensions, Baseplates or Overlays, providing the foundation for the system



Choosing a Head & Neck Positioning System

CIVCO Radiotherapy provides an extensive line of high quality thermoplastics for head, neck & shoulder positioning and immobilization that are comfortable, easy to use and cost effective from imaging through treatment.

This guide includes CIVCO's positioning systems, Type-S, Posifix, Uni-frame and ProForm:



NEW!

Type-S™

Pages 49 – 57

Uni-frame®

Pages 58 – 61

Posifix®

Pages 62 – 67

ProForm™

Pages 118 – 121

Compatibility

- CT
- MR
- Photon

- CT
- MR
- Photon

- CT
- MR
- Photon

- CT
- MR
- Photon
- Proton

Thermoplastic Material

- FirmFit™
- ZENTEC™
- Standard White

- ZENTEC
- Standard White

- Mastercast® Pro
- Posicast®

- Standard White

Special Features

- Pre-cut eye and mouth
- Open-face, surface tracking
- Larynx extension
- IMRT Reinforced™

- Pre-cut eye and mouth
- Open-face, surface tracking
- IMRT Reinforced

- Open-face
- Larynx extension

- Open-face, surface tracking
- IMRT Reinforced

Frame

- Continuous
- Drape and SnapFrame™ to continuous

- Continuous

- Drape style

- Continuous
- Continuous and Drape

Type-S™ Patient Positioning System

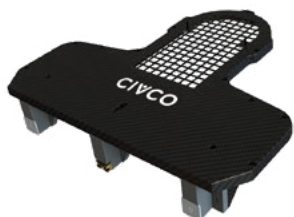
The Type-S system was designed for IMRT and conformal treatments and is intended to provide minimal attenuation throughout 360° of treatment angles. Type-S thermoplastics offer the greatest variety of patterns and materials and the convenience of a continuous frame allows easier handling during setup. The Type-S system is compatible with the Solstice™ SRS and Solstat™ Immobilization Systems, Customizable Head Support, Silverman Headrests, Type-S Vac-Lok™ and can be used with Posifix® headrests via an adapter.



Extensions & Variable Axis Baseplate



Universal Couchtop™
Long Extension



Universal Couchtop™ Long Extension

The Universal Couchtop Long Extension self-locks onto the Universal Couchtop, allowing the thermoplastic to connect to the couchtop.

See pages 19 – 22 for more info.

MTIL6665	Length: 39.1" (99.3 cm)
MTIL6670	Length: 49.1" (124.7 cm)
MTIL6664	Length: 53.1" (134.9 cm)

Varian Style Extension

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

MTCFHNV



Variable Axis
Baseplate with
Prone Face
Cushion (sold
separately)



Patient Setup
with Variable
Axis Baseplate
and Prone Face
Cushion



Variable Axis
Baseplate with
optional Adapter
and Prone
Headrest

Type-S Variable Axis Baseplate

The Variable Axis Baseplate integrates with any Type-S extension or overlay 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 and features a rotating knob to lock the baseplate into an angle position from 0°–30° in supine position and 12.5°–32.5° in prone position. The baseplate accommodates Type-S head only thermoplastics and accepts the Prone Face Cushion or the Posifix® Prone Headrest via an adapter and shim. See pages 73 – 74 for supine headrest options.

MTCFHNVAB01	Variable Axis Baseplate
MTPFC02	Prone Face Cushion
301025BLK	Posifix Prone Headrest
301035	MR Posi-S® Adapter (see page 75)
MTSHIMT	Timo Shim (must be used with 301035)

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.

108073



Overlay Board

Extends off the end of the treatment couch. An optional reloadable head, neck and shoulders frame for Type-S thermoplastics is available.

20CFHNSUB7	Overlay (no Vac-Lok™ indexing hole for larger unobstructed treatment region)
20CFHNSUB2	Overlay (with Vac-Lok indexing hole)
20CFHNSUB1P	ABS Reloadable Type-S Frame Only

MRI Type-S™ Overlay MRSeries™

Made of fiberglass with a foam core for use in MR environments. The MRI Overlay is lightweight and three-pin indexable.

MTMRHNTYPES	(left image)
MTMRHNPN	Narrow (right image)



Fixator™ Shoulder Supression System

The Fixator Shoulder Supression 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.



MTCFHN006	Fixator with Shoulder Cups (x2)
MTCFHN006SUB6	Shoulder Cup, Qty 1

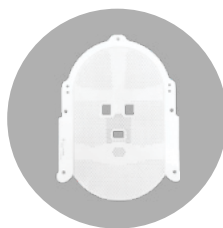
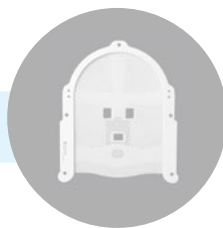
Tranquility™ Series Thermoplastics

Tranquility Series Thermoplastic Masks were designed with patient comfort and 3D tracking in mind. The masks are made of CIVCO's standard white reinforced material with unique patterns that offer a more open feel yet maintain rigidity and secure immobilization.

FreedomView™ IMRT Style 18

Pre-cut eye and mouth openings, increasing patient comfort and setup efficiency

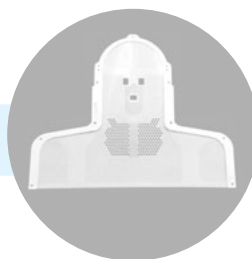
MTAPUID1832CL	Head Only 3.2 mm
MTAPUID1832CLRD	Head Only w/ 13" Radius Bottom 3.2 mm



FreedomView IMRT Style 27

Pre-cut eye and mouth openings, increasing patient comfort and setup efficiency

MTAPSID27NR32CL	Head, Neck & Shoulders with Neck Relief, 3.2 mm
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Shoulder Thermoplastic NEW!

MTAPSSTS	Standard White, Solid, Qty 5
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Type-S™

Head & Neck

51

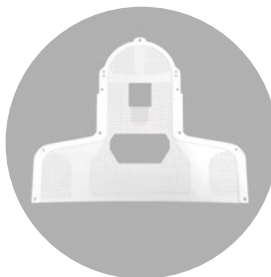
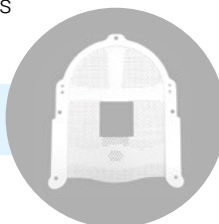
Tranquility Series for Vision/Camera Systems

ClearVision™ 2

visionrt COMPATIBLE

Open face mask designed to use with vision/camera systems; compatible with Vision RT's Align RT camera system. Head, neck & shoulders option offers an open neck area for additional camera capture.

MTAPUID1832SG	Head Only (shown with Precise Bite™) 3.2 mm
MTAPSID2732SG	Head, Neck & Shoulders 3.2 mm



ClearVision

visionrt COMPATIBLE

Open face mask designed to use with vision/camera systems; compatible with Vision RT's Align RT® camera system

MTVRT20	Head Only 3.2 mm
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PureVision™

Open face mask designed to use with vision/camera systems; separate reinforcing thermoplastic strips included

MTVRTR	Head Only Reloadable, 3.2 mm
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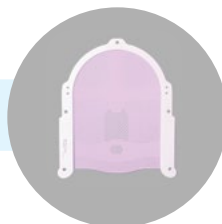
See Vision RT's compatibility statement on page 134.

ZENTEC™ Thermoplastics

ZENTEC Thermoplastics require less heating time than IMRT Reinforced Thermoplastics™ and have an established reputation of being highly conforming masks. In the 2.4 mm thickness, these masks provide a lighter feeling, which offers a more pleasant experience for anxious patients. In the 3.2 mm thickness, this material offers a similarly conforming mask with the added benefit of being CIVCO's most rigid continuous frame mask.

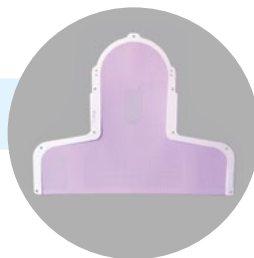
ZENTEC IMRT Style 18

MTAPUID1824VT	Head Only 2.4 mm
MTAPUID1832VT	Head Only 3.2 mm



ZENTEC IMRT Style 27

MTAPSID2724VT	Head, Neck & Shoulders 2.4 mm
MTAPSID2732VT	Head, Neck & Shoulders 3.2 mm



Type-S™

Head & Neck

53

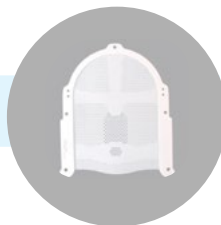
For an even more customizable hold, see page 57
for Reinforcement Thermoplastic Strips.

IMRT Reinforced Thermoplastics™

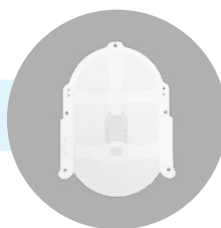
Patented IMRT Reinforced Thermoplastics feature a combination of perforated and solid thermoplastic in the same mask to provide rigidity and secure immobilization for IMRT treatments. By providing solid bands in areas where a secure hold is essential while maintaining perforation elsewhere, these masks provide a balance of immobilization and comfort.

IMRT Style 18

MTAPUID1824	Head Only 2.4 mm
MTAPUID1832	Head Only 3.2 mm



MTAPUID181332RD	Head Only with 13" Radius Bottom 3.2 mm
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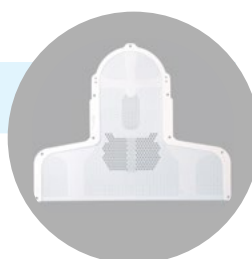


IMRT Style 27

MTAPSID2724	Head, Neck & Shoulders 2.4 mm
MTAPSID2732	Head, Neck & Shoulders 3.2 mm



MTAPSID27NR24	Head, Neck & Shoulders with Neck Relief, 2.4 mm
MTAPSID27NR32	Head, Neck & Shoulders with Neck Relief, 3.2 mm



See page 57 for additional styles.

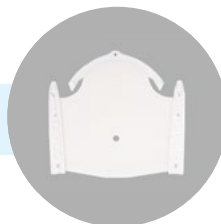
FirmFit™ Thermoplastic with SnapFrame™ Type-S™

FirmFit Thermoplastic is the premier thermoplastic for the Type-S family of positioning and immobilization products. The segmented frame, once draped over the patient's face, snaps together into a continuous frame on the baseplate. Drape-style masks require less stretching of the material than continuous frame masks, resulting in a more rigid mask.

FirmFit Thermoplastic with SnapFrame Type-S

MTAPUDMP

Head Only
2.3 mm



Open face mask designed to use with vision/camera systems

MTAPUDMPSG

Head Only with Open-face
(shown with Precise Bite™)
2.3 mm



MTAPSDMP

Head, Neck & Shoulders
2.3 mm



Type-S™

Head & Neck

55

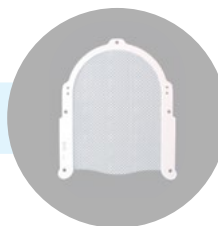
Standard Perforation Thermoplastics

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

Standard Perforation

MTAPUD2.4 Head Only
2.4 mm

MTAPUD Head Only
3.2 mm



MTAPSD2.4 Head, Neck & Shoulders
2.4 mm

MTAPSD3.2 Head, Neck & Shoulders
3.2 mm



Pediatric Masks

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

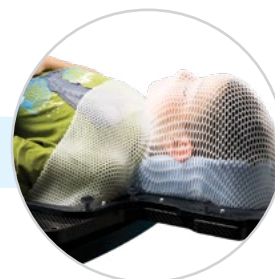
Pediatric Reloadable Frame

20CFHNPSUB1P



Pediatric Standard Perforation

MTAPSP2.4 Head, Neck & Shoulders
2.4 mm



See page 57 for additional styles.

Additional Thermoplastics

IMRT

Style 18, Head Only, 12" Extended	3.2 mm	MTAPUID181232
Style 18, Head Only, 14" Extended	3.2 mm	MTAPUID181432
Style 20, Head Only	2.4 mm	MTAPUID2024
Style 20, Head Only	3.2 mm	MTAPUID2032
Style 22, Head Only	3.2 mm	MTAPUID2232
Style 29, Head, Neck & Shoulders	2.4 mm	MTAPSID2924
Style 29, Head, Neck & Shoulders	3.2 mm	MTAPSID2932
Style 29, Head, Neck & Shoulders with Neck Relief	2.4 mm	MTAPSID29NR24
Style 29, Head, Neck & Shoulders with Neck Relief	3.2 mm	MTAPSID29NR32

Reloadable IMRT

Style 18, Head Only	3.2 mm	MTAPUIR1832
Style 20, Head Only	3.2 mm	MTAPUIR2032

Standard Perforation

Head Only, 12" Extended	2.4 mm	MTAPUD1224
Head Only, 14" Extended	2.4 mm	MTAPUD1424

Solid w/ Perforated Nose

Head Only	2.4 mm	MTAPUD002
Head, Neck & Shoulders	2.4 mm	MTAPSD001

Reloadable Standard Perforation

Head Only	3.2 mm	MTAPUR
Head Only, 12" Extended	2.4 mm	MTAPUR122.4
Head Only	2.4 mm	MTAPUR2.4
Head, Neck & Shoulders	3.2 mm	MTAPS3.2

Reinforcement Thermoplastic Strips (3.2 mm)

1.375 x 24" (3.5 x 70 cm)	Qty 1	MTAPS18391
1.375 x 9.75" (3.5 x 25 cm)	Qty 5	MTAPS25
1.375 x 13.75" (3.5 x 35 cm)	Qty 5	MTAPS35

Lead times for these masks vary; contact your sales representative.

All Type-S™ Thermoplastics are sold in packages of five.

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



Style 18



Style 20



Style 22



Style 29



Standard Perforation

See page 77 for Water Bath options. See pages 69 – 75 for Type-S Headrest options.

Uni-frame® Patient Positioning System

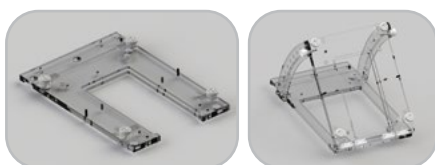
The Uni-frame system is an industry standard solution for head-only thermoplastics. Uni-frame masks are available in a variety of standard and IMRT patterns, including the Tranquility Series masks and the highly contouring ZENTEC™ material.

Baseplates



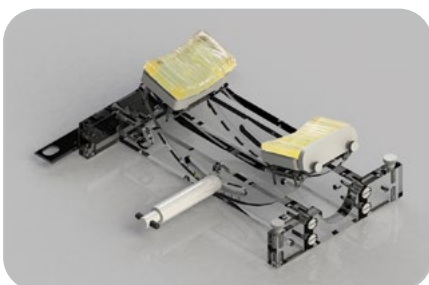
Carbon Fiber Supine Baseplate

MT20100CF	Standard
MT20103CF	Tilting



Acrylic Supine Baseplate MRSeries™

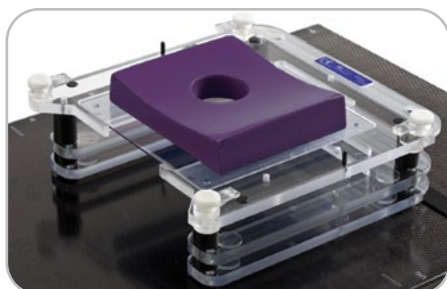
MT20100	Standard
MT20104	Tilting



Prone Head Holder

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

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.

MTLTBP	Lateral Baseplate (includes lateral head cushion & reloadable frame)
MTLTBPIAT01	Lateral Head Cushion with Indexing Plate
MTLTBP2	Reloadable Lateral Frame
MTAPUL	Perforated 3.2 mm Thermoplastic, Qty 5
MTAPUL2.4	Perforated 2.4 mm Thermoplastic, Qty 5

Tranquility™ Series Thermoplastics

Tranquility Series Thermoplastic Masks were designed with patient comfort and 3D tracking in mind. The masks are made of CIVCO's standard white reinforced material with unique patterns that offer a more open feel yet maintain rigidity and secure immobilization.

FreedomView™ IMRT Style 18

Pre-cut eye and mouth openings, increasing patient comfort and setup efficiency

MTAPUI1832CL	Head Only 3.2 mm
MTAPUIR1832CL	Head Only, Reloadable 3.2 mm



ClearVision™

visionrt COMPATIBLE

Open face mask designed to use with vision/camera systems; compatible with Vision RT's Align RT® camera system

MTVRTW	Head Only, Wide 3.2 mm
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PureVision™

Open face mask designed for use with vision/camera systems; separate reinforcing thermoplastic strips included

MTVRTR	Head Only, Reloadable, 3.2 mm
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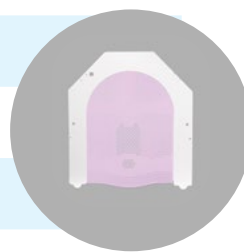
For an even more customizable hold, see page 61 for Reinforcement Thermoplastic Strips. See Vision RT's compatibility statement on page 134.

ZENTEC™ Thermoplastics

ZENTEC Thermoplastics require less heating time than IMRT Reinforced Thermoplastics and have an established reputation of being highly conforming masks. In the 2.4 mm thickness, these masks provide a lighter feeling, which offers a more pleasant experience for anxious patients. In the 3.2 mm thickness, this material offers a similarly conforming mask with the added benefit of being CIVCO's most rigid continuous frame mask.

ZENTEC IMRT Style 18

MTAPUI1824VT	Head Only 2.4 mm
MTAPUIW1824VT	Head Only, Wide 2.4 mm
MTAPUIW1832VT	Head Only, Wide 3.2 mm

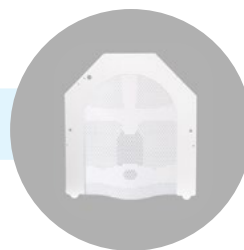


IMRT Reinforced Thermoplastics™

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

IMRT Style 18

MTAPUI1824	Head Only 2.4 mm
MTAPUI1832	Head Only 3.2 mm



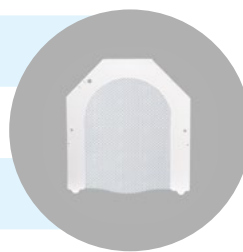
See page 61 for additional styles.

Standard Perforation Thermoplastics

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

Standard Perforation

MTAPU2.4	Head Only 2.4 mm
MTAPU	Head Only 3.2 mm
MTAPUW2.4	Head Only, Wide 2.4 mm
MTAPUW	Head Only, Wide 3.2 mm



Additional Thermoplastics

IMRT

IMRT Style 20, 2.4 mm	MTAPUI2024
IMRT Style 20, 3.2 mm	MTAPUI2032
IMRT Style 22, 3.2 mm	MTAPUI2232

ComfortPerf Pattern

2.4 mm	MTAPUCP201
3.2 mm	MTAPUCP301

Standard Perforation

1.6 mm	MTAPU1.6
12" Extended, 2.4 mm	MTAPU122.4
12" Extended, 3.2 mm	MTAPU12
Wide, 12" Extended, 2.4 mm	MTAPUW122.4
14" Extended, 2.4 mm	MTAPU142.4
14" Extended, 3.2 mm	MTAPU14

Reinforcement Thermoplastic Strips (3.2 mm)

1.375 x 24" (3.5 x 70 cm)	Qty 1	MTAPS18391
1.375 x 9.75" (3.5 x 25 cm)	Qty 5	MTAPS25
1.375 x 13.75" (3.5 x 35 cm)	Qty 5	MTAPS35

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

All Uni-frame Thermoplastics are sold in packages of five.

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

See page 77 for Water Bath options. See pages 71 – 76 for Uni-frame Headrest options.

Posifix® Patient Positioning System

The Posifix system is compatible with Posicast® and Mastercast™ Pro thermoplastics and the Solstice™ SRS, trUpoint ARCH™ SRS/SRT and Solstat™ Immobilization Systems. Posicast and Mastercast Pro thermoplastics are designed to drape over the patient, offering a very conformal fit. The Customizable Head Support and a wide variety of Posifix headrests are also available specifically for this system.



Extensions



Universal Couchtop™ Long Extension

The Universal Couchtop Long Extension self-locks onto the Universal Couchtop, allowing the thermoplastic to connect to the couchtop.

See pages 19 – 22 for more info.

MTIL6666	Length: 39.1" (99.3 cm)
MTIL6668	Length: 39.1" (99.3 cm)
trUpoint ⁺ ARCH ⁺	trUpoint ARCH SRS/SRT System compatible
MTIL6672	Length: 49.1" (124.7 cm)
MTIL6671	Length: 49.1" (124.7 cm)
trUpoint ⁺ ARCH ⁺	trUpoint ARCH SRS/SRT System compatible

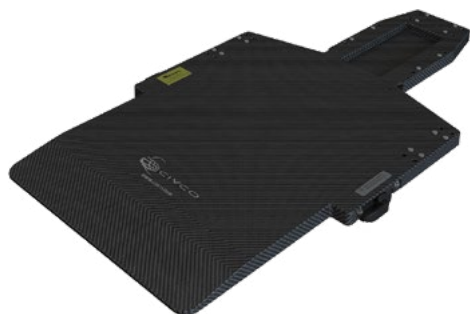


Varian Style Extension

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

108010	Varian Exact compatible
108020	trUpoint ARCH SRS/SRT System compatible
trUpoint ⁺ ARCH ⁺	

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.

108072
trUpoint⁺
ARCH™

trUpoint ARCH™ SRS/SRT System compatible



Head, Neck & Shoulders Baseplates

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

102021

Posifix®-2 Baseplate, Carbon Fiber

101019

Posifix-1 Baseplate, Acrylic

trUpoint⁺
ARCH™

trUpoint ARCH SRS/SRT System compatible

MRSeries™

013159

Two-Pin Baseplate Storage, compatible with Two-pin Posifix and Posirest™ baseplates and most other two-pin ready baseplates

Posifix®

Head & Neck

63



Head-Only Baseplates

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

104021

Posifix-4 Baseplate, Carbon Fiber

105021

Posifix-5 Acrylic Baseplate

MRSeries™

Posifix Variable Axis Baseplate

The Variable Axis Baseplate integrates with any Posifix extension, overlay or 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 and features a rotating knob to lock the baseplate into an angle position from 0°–30° in supine position and 12.5°–32.5° in prone position. The baseplate accommodates Posifix head only thermoplastics and accepts all supine and prone Posifix headrests (sold separately).

See pages 73 and 74 for headrest options.

107065

Posifix Variable Axis Baseplate, Carbon Fiber



Mastercast™ Pro Thermoplastics

Mastercast Pro is the premier thermoplastic for the Posifix family of positioning and immobilization products. Mastercast Pro is a drape-style mask requiring less stretching, therefore resulting in minimal shrinkage after cooling. Mastercast Pro offers increased rigidity over Posicast® thermoplastics.

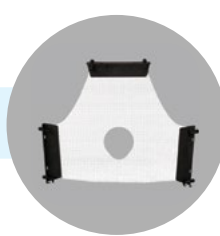
Mastercast Pro PR3

990030 Head Only (3 pt)
2.3 mm



Mastercast Pro PR31

990031 Head Only (3 pt) with Open-face
2.3 mm



Mastercast Pro PR44

990044 Head Only (3 pt) with Larynx Extension
2.3 mm



Mastercast Pro PR45

990045 Head Only (3 pt) with Open-face
and Larynx Extension, 2.3 mm



Mastercast Pro PR5

990145 Head, Neck & Shoulders (5 pt)
2.3 mm



Mastercast Pro PR51

991145 Head, Neck & Shoulders (5 pt) with Open-face
2.3 mm



Posicast®-Lite Thermoplastics

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

Posicast-Lite PR3

772030 Head Only (3 pt)
2.3 mm



Posicast-Lite PR31

trUpoint ARCH™ SRS/SRT System compatible

970031 Head Only (3 pt) with Open-face
trUpoint ARCH™ SRS/SRT System compatible
2.3 mm

trUpoint⁺
ARCH



Posicast-Lite PR44

772044 Head Only (3 pt) with Larynx Extension
2.3 mm



Posicast-Lite PR5

772145 Head, Neck & Shoulders (5 pt)
2.3 mm



See page 67 for additional styles.

Posifix®

Head & Neck

65

Posicast®-Plus Thermoplastics

Posicast-Plus is a drape-style mask that 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.

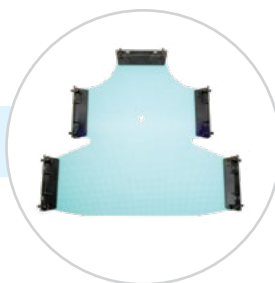
Posicast-Plus PR3

930030 Head Only (3 pt)
2.3 mm



Posicast-Plus PR5

930145 Head, Neck & Shoulders (5 pt)
2.3 mm



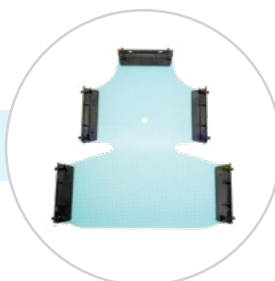
Posicast-Plus PR44

930044 Head Only (3 pt) with Larynx Extension
2.3 mm



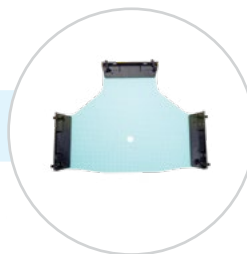
Posicast-Plus PR55, Pediatric

930055 Head, Neck & Shoulders (5 pt)
2.3 mm



Posicast-Plus PR33, Pediatric

930033 Head Only (3 pt)
2.3 mm



Additional Thermoplastics

Disposable Posicast® Multiperfo 2.3 mm

PR3 Head-Only (3 pt)	940030
PR5 Head, Neck & Shoulders (5 pt)	940145

Lead times for these masks vary; contact your CIVCO representative.
All Posicast Thermoplastics are sold in packages of ten.
All disposable thermoplastics are MRI compatible.



Shoulder Thermoplastic NEW!

MTAPSSPF	Standard White, Solid, Qty 5
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Reusable L-Profiles

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

622510	Set of 10
--------	-----------



Posicast Microperfo Plate

43 x 92 cm, 2.3 mm thick, Box of 10

904392	Large (multi) perforation, fuzzy coating on both sides
924392	Micro perforation, fuzzy coating on one side

Posifix®

See page 77 for Water Bath options. See pages 69 – 75 for Posifix Headrest options.

Solstat™ Immobilization System

MRSeries™

Solstat™
Immobilization System

The Solstat system is comprised of a rigid head support, customizable cushion or non-custom headrest and a dedicated thermoplastic mask designed for secure and simple attachment. These components create a highly customizable, comfortable and rigid setup for accurate head and neck treatments.

- Midline thermoplastic mask attachment provides increased rigidity and minimizes shrinkage to enhance patient comfort
- Highly conformal to the patient when using a customizable cushion and dedicated thermoplastic mask
- Unique thermoplastic frame provides easy to use, secure and quiet mask attachment
- May be used in an MR environment



Head Support

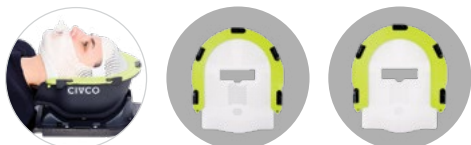
Compatible with Type-S™ and Posifix® Extensions, Baseplates and Overlays.

CHS05	Posifix, Qty 1
CHS06	Type-S, Qty 1

ClearVision™ Thermoplastic

visionrt COMPATIBLE

MTAPCID1832SG	Standard, Qty 5 (middle)
MTAPCIN1832SG	Narrow, Qty 5 (right)



IMRT Reinforced Thermoplastic™, Style 18

MTAPCID1832	Standard, Qty 5 (middle)
MTAPCIN1832	Narrow, Qty 5 (right)

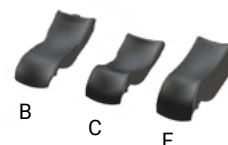


Visit CIVCO's YouTube channel for the Solstat Instructional Video

Shoulder Thermoplastic

NEW!

MTAPSSTS	Type-S Standard White, Solid, Qty 5
MTAPSSPF	Posifix Standard White, Solid, Qty 5



Headrests

CHS40K	Headrest Kit (includes B, C, & F), Qty 3
CHS40	Headrest B, Black, Qty 1
CHS41	Headrest C, Black, Qty 1
CHS42	Headrest F, Black, Qty 1

Customizable Cushions

MTACL2035HF	20 x 35 cm Chamfered AccuForm™, 1/2 Fill, Qty 1
MTACL2035	20 x 35 cm Chamfered AccuForm, Qty 1

Precise Bite™

See page 70 for additional options.



MTCBPBITE	Standard, Qty 5
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See Vision RT's compatibility statement on page 134.

Customizable Head Support

MRSeries™

The Customizable Head Support is a shell and customizable cushion system. 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
- 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
- Compatible with Vision RT's Align RT® camera system when used with ClearVision™ Thermoplastic

visionrt | COMPATIBLE

CHS01	Posifix®
CHS02	Type-S™
MTACL2035HF	20 x 35 cm Chamfered AccuForm™, 1/2 Fill
MTACL2035	20 x 35 cm Chamfered AccuForm



Posifix shown with
20 x 35 cm AccuForm



Type-S shown with
20 x 35 cm AccuForm

See Vision RT's compatibility statement on page 135.



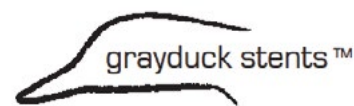
See page 43 for Solstice™ SRS Immobilization System with unique corrective pitch capability.

Solstice™
SRS Immobilization System



Visit CIVCO's YouTube channel for the Customizable Head Support Instructional Video

GrayDuck Oral Positioning Stents



MRSeries™

ProtonSeries™

GrayDuck oral positioning stents are currently the only custom fitted bite block system that can position the tongue in one of several positions; laterally (left or right), depressing (downward) or a combination thereof.

- Tongue-displacing and immobilizing oral stent
- Capable of providing repeatable tongue deviation and immobilizing in several directions
- Designed to provide repeatable immobilization and tissue sparing during radiotherapy
- Ergonomically developed to be a quick, easy-to-fit custom oral stent



Visit CIVCO's YouTube channel for the GrayDuck Instructional Video

**CE MARKED, 510(K) CLEARED
US PATENT #9,504,537 AND OTHER PATENTS PENDING**

GDS002	Small size, Qty 4
GDS001	Medium size, Qty 4



Precise Bite™

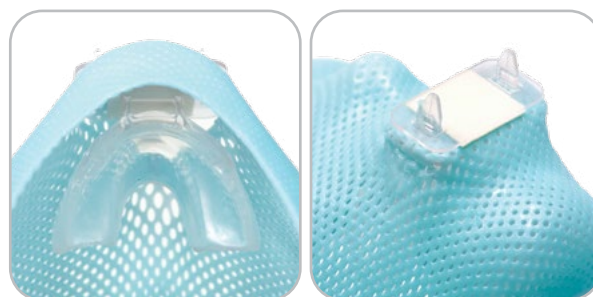
MRSeries™

The Precise Bite attaches easily to a thermoplastic cast and conforms to the teeth and/or maxilla to aid in effective and repeatable positioning. 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™, Posicast® and Solstice™ thermoplastic frame types
- Warmer softens Precise Bite without a microwave or water bath

MTCBPBITE	Standard, Qty 5
MTCBPBITES	Small, Qty 5
MTCBPBITETD	w/ Tongue Depressor, Qty 5
MTCBPBITETDS	Small with Tongue Depressor, Qty 5
MTCBPBITEWRM	Warmer, 110 volt

WARMER HAS NOT BEEN CE MARKED



AccuForm™ Cushions

MRSeries™

ProtonSeries™

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 20 cm cushion recommended when customized fit is needed on a standard headrest
- 20 x 25 cm, 20 x 45 cm and Type-S™ cushions can be used as stand-alone cushions
- 20 x 35 cm chamfered cushion features clipped cushion corners that provide support without interfering with the thermoplastic

MTACL1520	15 x 20 cm AccuForm
MTACL14242	20 x 25 cm AccuForm
MTACL2035	20 x 35 cm Chamfered
MTACL2035HF	20 x 35 cm Chamfered Half Fill
MTACL2045	20 x 45 cm AccuForm
MTACLTYPES1	Type-S AccuForm
MTACL4060	40 x 60 cm AccuForm
MTACL6060	60 x 60 cm AccuForm



15 x 20 AccuForm



20 x 25 AccuForm



Type-S AccuForm

AccuForm Positioner

An AccuForm Positioner can be used for indexing an AccuForm cushion to Uni-frame® and Type-S baseplates.

MTACL001	AccuForm Positioner
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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 Posifix® extensions, baseplates and overlays



MTIHS01	Posifix, Natural Position	 MRSeries™
MTIHS02	Posifix, Hyperextension	

Head & Neck Vac-Lok™ Cushions

 MRSeries™
 ProtonSeries™

Vac-Lok cushions create a rigid and secure support around the patient when a vacuum is drawn through a self-sealing quick release valve, providing comfortable support of the head and neck as well as the upper shoulders.

- Reusable for ultimate cost-effectiveness
- Protective material coating provides greater cleanability than previous generation bags
- Available in a variety of shapes and sizes in two durable finishes: urethane or nylon
- Nylon Type-S cushion is available in two sizes and is indexable
- Cleared for use in proton therapy

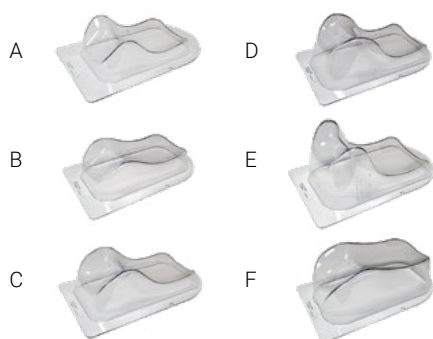


VL37	50 x 70 cm "T" Vac-Lok Cushion
VLTY01CX	Type-S Vac-Lok Cushion (short)
VLTY02CX	Type-S Vac-Lok Cushion (long)

Headrests

Headrests provide enhanced repositioning, accuracy and patient comfort. Select headrests are compatible with our three head & neck patient positioning systems directly or via an adapter.

Headrest shape may have slight variations; the same headrest should be used for a patient throughout setup and treatment cycle. See headrest compatibility chart on page 75.



Silverman Headrests

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

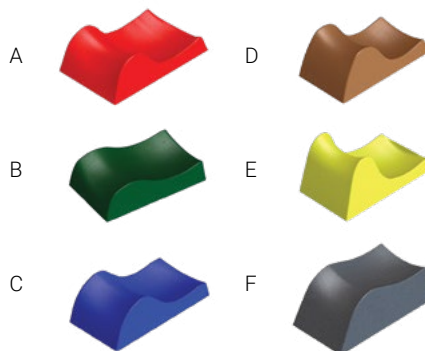
MTSILVER2A	A	MTSILVER2D	D
MTSILVER2B	B	MTSILVER2E	E
MTSILVER2C	C	MTSILVER2F	F
MTSILVER2	Set of six		



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.

301030	I, Large	301033	III, Small
301032	II, Medium	301034	Set of three



Timo Headrests

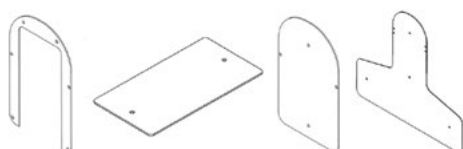
Timo headrests are constructed of durable polyurethane foam with a washable coating. Six various heights and contours offer a comprehensive range of neck angulations. They are available plain or with Lexan plates for use with Uni-frame® baseplates and Wing Boards™.

Add "L" to any part number to add Lexan Plate.

MTTIMOA	A, Red	MTTIMOD	D, Brown
MTTIMOB	B, Green	MTTIMOE	E, Yellow
MTTIMOC	C, Blue	MTTIMOF	F, Gray
MTTIMO	Set of six	MTTIMOL	Set of six w/ Lexan Plates

Shims

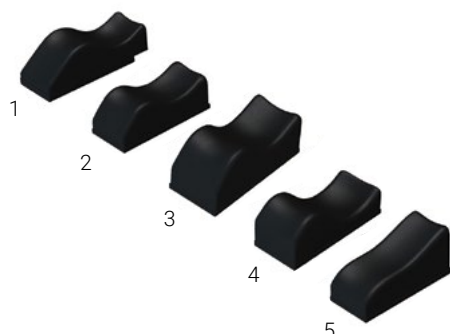
Shims are for use with CIVCO's headrests and systems.



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

Headrests

Headrest shape may have slight variations; the same headrest should be used for a patient throughout setup and treatment cycle. See headrest compatibility chart on page 75.



Posifix® Supine Headrests

Posifix headrests are made of low density polyethylene foam.

301001BLK	1, Similar to #2 with patient shift in superior direction
301002BLK	2, Natural position
301003BLK	3, Slightly hyperextended
301004BLK	4, Hyperextended
301005BLK	5, Chin down toward chest
305000BLK	Set of five



Posifix Contoured Headrests

The Posifix Contoured Headrests feature colored bottoms for easy identification and are wider and higher than the standard Posifix supine headrests, completely surrounding the back of the head. This design is intended to encourage less lateral, longitudinal and rotational movement during setup and treatment.

301023	Yellow bottom, Slightly hyperextended
301024	White bottom, Hyperextended
301022	Orange bottom, Natural position
301234	Set of three



Posifix Wide Headrest

A special wide headrest, made of low density polyethylene foam, is available in a natural position design.

301008A



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.

301025BLK



Posifix Pediatric Headrests

Designed for use with pediatric patients, both the prone and supine headrests are available in bright, glossy colors.

301026	Supine
301027A	Prone

Adapters

Headrest Compatibility

See color code below

	Silverman	Extended Head Stop & All Posifix Styles	Timo w/ Lexan Plate	Prone Face Cushion (MTPFC02)	Posifix Customizable Head Support (CHS01)	Type-S Customizable Head Support (CHS02)	Round Head Cup (MT250SUB11) & Gel Head Cup (MT250SUB10)
Uni-frame® Standard & Tilting Baseplates	●	● + ●	●				
Type-S™ Extensions or Overlays	●	●				●	
Type-S Variable Axis Baseplate	●	● + ●	●	●		●	
Posifix® Baseplates and Extensions		●			●		
Posifix Variable Axis Baseplate		●			●		
C-Qual M™ & C-Qual™ Breastboards		●			●		
Posirest™-2		●			●		
Thorawedge™		●					
Monarch™ Overhead Arm Positioner		●			●		
Standard & Extended Wing Boards	●	● + ●	●			●	
Tapered Wing Board		● + ●	●			●	
MT-350 Breastboard			● + ●				●

Contact your sales representative to verify compatibility.



MR Posi-S Adapter*



MR Posi-S Adapter with Backplate*

*The 301035 and 301029 do not provide equivalent setups. Customers using 301029 should reorder that part number. New customers should order 301035.

Headrest Adapters

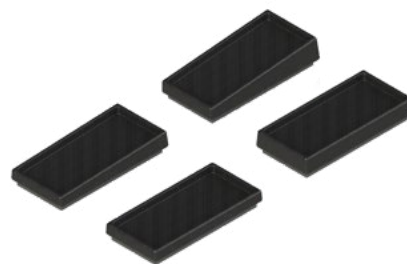
Headrests provide enhanced repositioning, accuracy and patient comfort. CIVCO headrests are compatible with our three head & neck patient positioning systems (Type-S, Posifix or Uni-frame) and Wing Boards directly or via an adapter.

●	301035*	MR Posi-S Adapter	MRSeries™
●	301029*	MR Posi-S Adapter with Backplate	MRSeries™
●	-	With use of Lexan Plate provided with Baseplate	
●	-	With use of Timo Shim (see page 73)	
●	MT350400	Timo Adapter Plate (see page 84)	
●	-	No Adapter required	

Spacers & Wedges

Spacers & Wedges are available in a variety of heights and angles for use with the Posifix® Patient Positioning System to provide positioning offset of the patient for unique treatment needs. They can accommodate the use of all Posifix style headrests, Extended Stop Headrest, Posifix Customizable Head Support and Posifix Individual Head Support.

107101	Wedge, 2.5°
107102	Wedge, 5°
107103	Spacer, 20 mm
107104	Spacer, 30 mm
107106	Spacers & Wedges. Set of four includes: Wedges 2.5° and 5°, Spacers 20 and 30 mm



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



MTSR01	Retractor with Handle Grips (left photo)
MTSR02	Retractor with Sherpa Wrist Loops (middle photo)
MTSR03	Retractor with Nylon Wrist Loops (right photo)

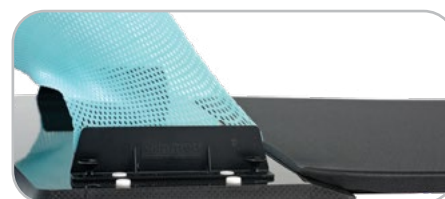
Couchtop Cover

The Couchtop Cover is a comfortable elevation mat that matches the slope of the Posifix or Posirest™ Baseplate for a seamless transition.

- Cover is the same thickness (1.5 cm) as the Posifix and Posirest baseplates
- Available in 120 and 46 cm lengths
- Handle for convenient carrying and hanging

301090	120 x 46 cm
301091	46 x 46 cm

 **MRSeries™**



Water Baths

Contact your sales representative for country compatibility.



Digital Water Bath

The Digital Water Bath accommodates all thermoplastic sizes including Type-S™ head, neck and shoulders and HipFix® thermoplastics.

Dimensions (W x D x H)*

Overall: 33.71 x 25.86 x 8.02" (85.6 x 65.7 x 20.4 cm)

Internal: 26 x 22 x 5" (66 x 55.9 x 12.7 cm)

MTCD1600	110V
MTCD1600EX	220V
MTCBPLLG	Pan Liner, Large, Qty 2



Water Bath

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

Dimensions (W x D x H)*

Overall: 28 x 22 x 12.65" (71.1 x 55.9 x 32.1 cm)

Internal: 25 x 19 x 5" (63.5 x 48.3 x 12.7 cm)

MTRH1500	120V
MTRH1500EX	230V
MTCBPLLG	Pan Liner, Large, Qty 2



Water Bath Cart

The Water Bath Cart provides an easy, efficient way to transfer a water bath between treatment rooms. Load capacity 500 lbs (227 kg).

Dimensions (W x D x H, height includes handle)

Overall: 25.5 x 43 x 38" (64.8 x 109.2 x 96.5 cm)

MTMC01003

*Dimensions do not include shut off valve mounted on side.

"The C-Qual M™ is easy to transport and set up and is reproducible, making it very user-friendly for our therapists. Our patients have also commented on the comfort of C-Qual M. We are very pleased with CIVCO products and believe our patients will benefit from their value."

Pam Golliday, Lead Therapist, Center for Cancer and Blood Disorders, Fort Worth, Texas

Breast & Thorax

Accurate, Reproducible, Comfortable

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. Our breast and thorax solutions include prone and supine breastboard options, Monarch™ Overhead Arm Positioner and Wing Boards™.



See page 12 for the
Chabner XRT®
Radiation Bra!



C-Qual M™ with Monarch™ Overhead Arm Positioner

C-Qual M™
Breastboard

Monarch™
Overhead Arm Positioner


The innovative C-Qual M Breastboard brings a new level of patient comfort and diagnostic compatibility to CIVCO's breast and thorax positioning solutions. Integration with the Monarch Overhead Arm Positioner provides a new, efficient approach for arms-up positioning, allowing proper superior/inferior adjustment of the board to the patient, helping reduce patient slide.

- Adjustable Monarch Overhead Arm Positioner provides increased positioning options for patients of varied torso lengths
- Contoured cutouts in shoulder region help reduce attenuation during posterior axillary boosts
- Two hand grip designs allow for customized placement of each hand and arm
- Easy on/off latch system of the Monarch Overhead Arm Positioner eliminates need for tools to make adjustments
- Optical Surface Monitoring System (OSMS) compatible
- Elevation Supports secure angles from 5° to 25° with nine different tilt positions
- Compatible with Mastercast™ Pro and Posicast® Head-Only Thermoplastics (with Monarch or board-only), Breast Support Thermoplastics, Posifix® Headrests and Vac-Lok™ Cushions



Featuring Individual Hand Grips

MTM400	C-Qual M with Monarch. Includes "M" Handle and Tracks compatible with the Individual Hand Grips (hand grips sold separately).  ProtonSeries™
OAP160	Monarch Individual Hand Grips, Set of 2
OAP170	Monarch Handle Tracks, Set of 2 <i>For Monarchs purchased prior to January 2019.</i>
OAP180	Monarch Hand Grips Kit; includes Individual Hand Grips (set of 2) and Tracks (set of 2). <i>For existing Monarch customers prior to January 2019.</i>
OAP120	Monarch Thermoplastic Frame
013156	Wall Storage Device

 **YouTube** Visit CIVCO's YouTube channel for the C-Qual M Instructional Video

Breast Support Thermoplastic

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

	2.4 mm	3.2 mm
Standard Perforated (White)	MTRFX9182.4	MTRFX918
IMRT Reinforced (White)	MTRFI9182.4	MTRFI918
Breast Support Handle System, Qty 2	-	-
		MTRFH3




Monarch™ Overhead Arm Positioner



The Monarch Overhead Arm Positioner is 23.4" (59 cm) wide and features two hand grip designs; a one-piece "M" handle or individual hand grips. Each option can be adjusted a total of 24 cm and the individual grips can adjust in 2.2 cm increments for customized placement of each hand/arm.

- Matches body contours for optimal arm support and patient comfort
- Indexable for easy stand-alone use
- Compatible with Mastercast™ Pro and Posicast® Head-Only Thermoplastics with use of OAP120

OAP110 Monarch (for use with Lok-Bar™).  **MR Series™**
Includes "M" Handle and Tracks compatible with the Individual Hand Grips (hand grips sold separately).

OAP160 Monarch Individual Hand Grips, Set of 2

OAP170 Monarch Handle Tracks, Set of 2.
For Monarchs purchased prior to January 2019.

OAP180 Monarch Hand Grips Kit; includes Individual Hand Grips (set of 2) and Tracks (set of 2).
For existing Monarch customers prior to January 2019.

OAP120 Monarch Thermoplastic Frame

Thermoplastic Options

Mastercast Pro and Posicast thermoplastics are drape-style masks that require less stretching, therefore resulting in minimal shrinkage after cooling.

990031	Mastercast Pro Head Only (3 pt) with Open-face, 2.3 mm
990045	Mastercast Pro Head Only (3 pt) with Open-face and Larynx Extension, 2.3 mm
970031	Posicast-Lite Head Only (3 pt) with Open-face, 2.3 mm

Vac-Lok™ Options NEW!

Wing Board Vac-Lok create a rigid and secure support around the patient when a vacuum is drawn through a self-sealing quick-release valve. See page 87 for more information.

VLWGB04C	Wing Board Vac-Lok, 108 x 55 cm, 17 L, Nylon
VLWGB05C	Wing Board w/ Head Support Cutout, 108 x 55 cm, 14 L, Nylon

See page 64 for additional information on Mastercast Pro thermoplastics.

See page 65 for additional information on Posicast-Lite thermoplastics.



Monarch Thermoplastic Frame allows for attachment of Head-Only Thermoplastics



Monarch Thermoplastic Frame



Monarch with 108 x 55 cm Wing Board Vac-Lok

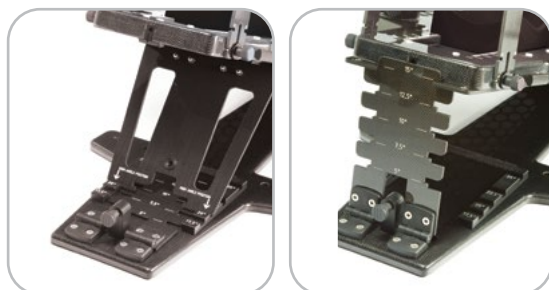
C-Qual™ Breastboard

The carbon fiber C-Qual Breastboard is lightweight, designed for patient comfort and features a low-attenuating IGRT treatment zone. The C-Qual's advanced features bring efficiencies to breast setup and treatment.

- Low-attenuating IGRT treatment zone
- Elevation Supports secure angles from 5° to 25° with nine different tilt positions (see photos below)
- Advanced arm supports, with no interference in the supraclavicular region
- Compatible with the Monarch™ Overhead Arm Positioner
- Compatible with Mastercast™ Pro and Posicast® Head-Only Thermoplastics and Breast Support Thermoplastics
- Special wide headrest included

MT401	C-Qual with Monarch. Includes "M" Handle and Tracks compatible with the Individual Hand Grips (hand grips sold separately).
MT400	C-Qual with Arm & Wrist Supports
OAP100	Monarch (upgrade kit for MT400). Includes "M" Handle and Tracks compatible with the Individual Hand Grips (hand grips sold separately).
OAP120	Monarch Thermoplastic Frame
013156	Wall Storage Device

See page 80 for Monarch Individual Hand Grip Options.



Elevation Supports



Featuring Monarch Overhead Arm Positioner



Featuring Arm & Wrist Supports



New Horizon™ Prone Breastboard



The New Horizon Prone Breastboard assists in providing accessible, comfortable and reproducible patient positioning for prone breast treatments. The modular design and variety of accessories provide options for many prone breast setup challenges, allowing customized patient setups and meeting clinical needs for treatment.

- Solid and open contralateral wedges provided to meet individual patient needs
- Patient-friendly design, with contoured foam and an adjustable massage-style face cushion
- Indexable to the couchtop, assuring its orientation to lasers and isocenter is repeatable and known
- Scale rulers allow for easy verification of the longitudinal and lateral position of the patient
- Overall height can be adjusted through the use of 3 cm spacers
- Reversible breast section allows for treatment of either breast with a simple 180° turn
- Three simple-to-separate parts allow for a lighter board and easier storage and transport between treatment rooms
- The unique curved board rises to meet the patient halfway for less climbing and safe positioning (see photo to right)



MTHPBB01	New Horizon
MTHPBB01K	New Horizon with Type 1B Bridge and Clam-Lok™ Cushion
MTHPBB103	Head Cushion Covers, Qty 50

MT-350

The MT-350 Breastboard combines reproducible breast positioning with efficient, comfortable patient setups. Its lightweight construction including carbon fiber provides ease-of-use with repeatable support.

- Grid treatment panels provide rigid, low-attenuating support
- Positive locking system offers angles in 2.5° increments from 5° to 20° and an angle of 25°
- Indexable hip stop prevents patients from sliding
- Wide variety of arm supports and headrest accessories available separately (see page 84)
- Compatible with Standard, Extended and Tapered Wing Boards™ and Breast Support Thermoplastics (see page 79)



Featuring Arm & Wrist Supports



MT350N MT-350 with Round Head Cup and Hip Stop

Thorawedge™

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

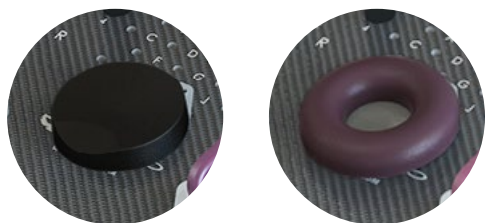
The Thorawedge was co-developed with the Department of Radiotherapy of the University Medical Center in Utrecht, The Netherlands.

- 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
- 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



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

MT-350 Accessories



Bi-Axial Arm Support System™

The Bi-Axial Arm Support System consists of 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. Purple arm and wrist supports differ from the previous blue supports. Please contact your sales representative for additional information.

MTTAS2R	Right Arm Support
MTTAS2L	Left Arm Support
MTTWS2S	Wrist Support

Wing Boards™

The Extended, Standard and Tapered Wing Boards can be mounted to the MT-350 Breastboard for additional arm support. See page 86 for more information on Wing Boards.

Round Head Cup & Gel 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. 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.

MT250SUB11	Round Head Cup
MT250SUB10	Gel Head Cup

Adapter Plate for Timo Headrests

Timo Headrests are constructed of durable polyurethane foam with a washable coating. Six various heights and contours offer a range of neck angulations. The clear adapter plate provides compatibility with the MT-350 with the use of a Lexan Plate. See page 73 for more information on Timo Headrests.

MT350400

Delrin Hand Grips

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

MT2504

Wall Storage Device

MT350WSD

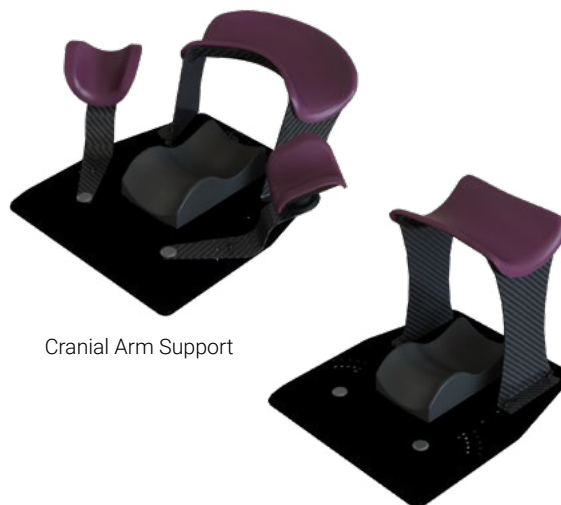
Posirest™-2

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

- Kits include: Posirest Carbon Fiber Baseplate, Wide Headrest, High Arm Support, Cranial Arm Support and Adjustable Arm Supports (x2)
- Arm supports can be adjusted in several positions and are fitted with comfortable padding
- High Arm Support allows patients who cannot reach back to rest their arms overhead

106521 Posirest-2 w/ Standard Arm Supports

106522 Posirest-2 w/ Large Arm Supports



Cranial Arm Support

High Arm Support

Posirest™-2 Accessories



Rigid Adjustable Arm Supports

Rigid Adjustable Arm Supports have fixed heights perfect for use with the cranial arm support. The comfortable padded arm cup is rotatable and 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.

106020 Standard, Qty 2

106048 Large, Qty 2

Height Adjustable Arm Supports

Height Adjustable Arm Supports feature rotatable arm cups and three indexable height options for added patient comfort.

106025 Standard, Qty 2

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.

106024

Wide Headrest

301008A



Standard Wing Board

The Standard Wing Board is 22.5" (57 cm) 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.

MTWB09



Tapered Wing Board

The Tapered Wing Board is 22" (56 cm) 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.

MTWB10T w/ T-Grip

MTWB10U w/ U-Grip



Extended Wing Board

The Extended Wing Board is 22.5" (57 cm) 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.

MTWB08T w/ T-Grip

MTWB08U w/ U-Grip



See page 80 for information on the Monarch™ Overhead Arm Positioner.

Additional Grip Options

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

MTGBSUB1 T-Grip

MTGBSUB3 U-Grip

See pages 73 – 75 for compatible headrest options.

Breast & Thorax Vac-Lok™ Cushions



Vac-Lok cushions create a rigid and secure support around the patient when a vacuum is drawn through a self-sealing quick-release valve. Cushions are available in two durable finishes: nylon and urethane. Nylon cushions can be ordered with indexing bars attached. Cleared for use in proton therapy.



Arms Up Vac-Lok, 105 cm long

VLARM02	Urethane
VLARM02C	Nylon
VLARM02FC	Nylon w/ indexing



Arms Up Vac-Lok, 75 cm long

VLARM01	Urethane
VLARM01C	Nylon
VLARM01FC*	Nylon w/ indexing



Wing Board™ Vac-Lok, 88 x 55 cm

VLWGB03	Urethane
VLWGB03C	Nylon



Monarch™ Wing Board Vac-Lok, 108 x 55 cm

VLWGB04C	Nylon	NEW!
VLWGB05C	Nylon w/ Head Support Cutout	NEW!



T-Shape Vac-Lok

VL0017	Nylon w/ indexing, Tapered mid-section
VL0018	Nylon w/ indexing, Non-tapered mid-section

One Arm Up Vac-Lok

VL04	Urethane
VL04C	Nylon



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

See pages 96 – 97 for more information on Vac-Lok Cushions.

Hip & Pelvic

Versatile, Customizable, Comfortable

Patient positioning and immobilization for treatment of the hip and pelvic region range from re-positioning to immobilization devices – all taking versatility, customization and patient comfort into consideration. Positioning for these regions can be difficult due to organ motion and patient shape.


CIVCO provides a variety of hip and pelvic solutions including a Carbon Fiber and MRSeries™ Bellyboard that provides maximum treatment versatility along with customized bowel displacement for patient safety. The HipFix® Baseplate and Thermoplastic System also delivers comfortable immobilization to enhance fiducial targeting.



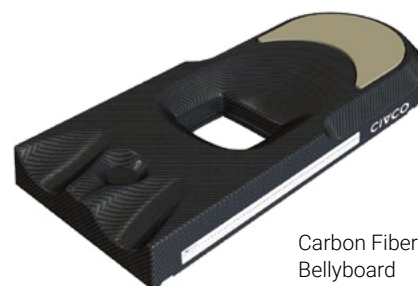
Carbon Fiber & MRSeries™ Bellyboards

The Carbon Fiber Bellyboard assists in reducing the volume of the small bowel that is irradiated in 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.

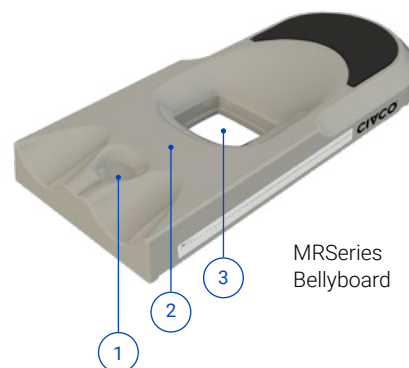
- Carbon Fiber model features embedded fiducial crosshair to assist as a secondary setup reference
- Lightweight, rigid and indexable
- Lower part of board is adapted to support the patient's upper legs for maximum comfort
- Soft polyethylene padding ensures a comfortable position for the head

125012	Carbon Fiber Bellyboard
126000	MRSeries Bellyboard  MRSeries™
013140	Bellyboard Wall Storage

[Caudal Indentation \[1\]](#) to relieve pressure in the genital area. [Central Space \[2\]](#) allows compression to push the small bowel superior toward the [Major Aperture \[3\]](#).



Carbon Fiber Bellyboard



MRSeries Bellyboard

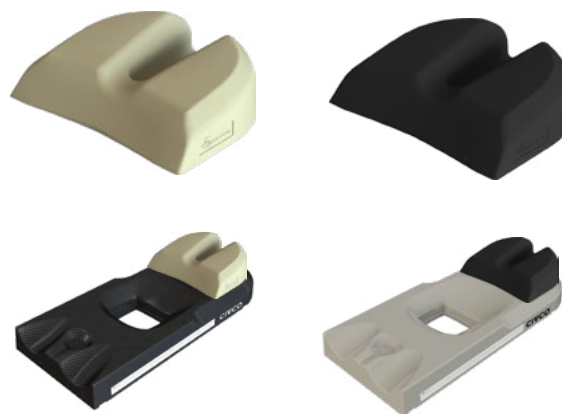


Storage

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.

301076	Cream
301102	Black



Contoura™ Bellyboard

The Contoura is made of carbon fiber to provide maximum treatment versatility. Customized bowel displacement can be achieved with the use of three interchangeable padded portal inserts.

- Shorter board (compared to other models) allows for additional setup flexibility for various patient lengths
- Prone-Lok™ indexable cushion or Pron-Pillo™ available for additional comfort (see page 92)

MTBBCF	Contoura Bellyboard with three portal inserts
MTPLC01	Prone-Lok Cushion
MTCB36	Pron-Pillo



No Portal



Small Portal

Combifix™ 3 and Feetfix™ Couch Support

The Combifix 3 combines the Kneefix™ and Feetfix, providing enhanced positioning for the pelvic region and other lower extremities.

The Feetfix Couch Support may be used separately and positions the Feetfix at indexed positions, allowing the Feetfix to be tilted at four different angles. Both the Combifix & Feetfix are two and three-pin Lok-Bar indexable.

Shoulder retractors are available to pull the shoulders down during radiotherapy simulation and treatment sessions where opposed lateral fields are used in the neck area. They can attach in five positions on the Feetfix.



Combifix 3 Low



Combifix Storage



Feetfix Couch Support with Cushion



Shoulder Retractors

151004MR	Includes Combifix Baseplate, Kneefix 3, Elevation Blocks (x2), Feetfix 3 & Feetfix Couch Support
151005MR	Includes Combifix Baseplate, Low Kneefix 2 Cushion, Elevation Blocks (x2), Feetfix 3 & Feetfix Couch Support
013115	Combifix Wall Storage (not for use in MR environment)
302071MR	Feetfix Couch Support Bracket (Cushion not included)
302072	Shoulder Retractors: Short (x2) and Long (x2)

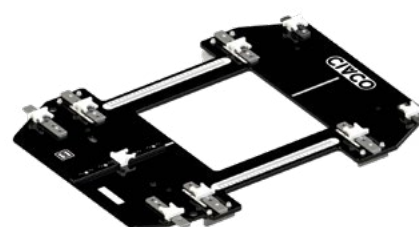
HipFix® Positioning System

MRSeries™

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

- Indexable baseplate features a cutout treatment window
- Vac-Lok™ or RediFoam™ Cushion can be integrated for added comfort, support and repositioning accuracy
- CT, MR & treatment compatible

MTPLVC04MR	HipFix Baseplate	NEW!
MTVL71FC	Split-Leg Vac-Lok (see page 94)	



HipFix Thermoplastics

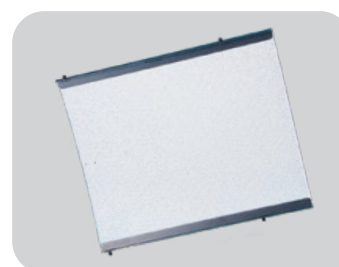
18" x 22" (45.7 cm x 55.8 cm)

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.

MTPLHA01	Reloadable Handles (x2) & Groin Piece
MTPLVCSUB8	Groin Piece for use with disposable thermoplastics

Perforation	Handle Type	Thickness	Part #
Solid	Reloadable	3.2 mm	MTHFX1822S
Solid	Reloadable	2.4 mm	MTHFX18222.4S
Solid	Disposable*	3.2 mm	MTPLHA0201
Perforated	Reloadable	3.2 mm	MTHFX1822
Perforated	Reloadable	2.4 mm	MTHFX18222.4
Perforated	Disposable*	3.2 mm	MTPLHA0202
IMRT Reinforced	Reloadable	3.2 mm	MTHFI1822
IMRT Reinforced	Reloadable	2.4 mm	MTHFI18222.4
IMRT Reinforced	Disposable*	3.2 mm	MTPLHAI0203

*Groin piece sold separately
All disposable thermoplastics are MRI compatible

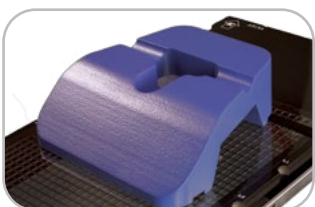


Standard Perforated Thermoplastic



IMRT Reinforced Thermoplastic

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. It can be easily cleaned and reused.

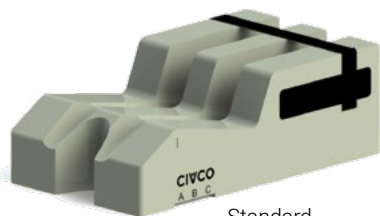
MTPLC01



Pron-Pillo™ Cushion

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

MTCB36



Standard



Low

Dual Leg Positioner

The Dual Leg Positioner provides a quick capture of the lower legs for supine hip and pelvic treatments. The positioner is designed to hold the legs at the same level, thereby reducing rotation of the pelvis. An optional Velcro® strap secures the calves and ankles. It is indexable for enhanced reproducibility. It can be easily cleaned and reused.

MTDLI2	Standard (76 x 46 x 19 cm)
MTDLI2Z	Low (76 x 46 x 11 cm)

Positioning Cushions



Kneefix Indexing Holes

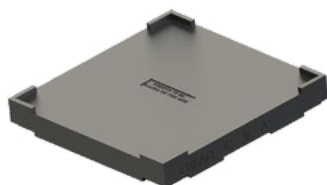
Kneefix™ 3

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 16 cm tall and is made of lightweight, closed cell foam that is easy to clean and is both two- and three-pin indexable. A Low Kneefix 2 (12 cm) is available for additional setup.

301052	Kneefix 3 (Cream)
301048	Low Kneefix 2 (Black)

Kneefix 3 Elevation Blocks

The Kneefix 3 Elevation Blocks can elevate the Kneefix 3 by 5 cm. 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.



301055	Qty 1
301056	Qty 3

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 16 cm tall and is made of lightweight, closed cell foam that is easy to clean. It can be used with either a two or three-pin indexable Lok-Bar™ or with the Feetfix Couch Support (page 90).



301071	Feetfix 3 (Cream)
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Hip & Pelvic Vac-Lok™ Cushions



Vac-Lok cushions create a rigid and secure support around the patient when a vacuum is drawn through a self-sealing quick-release valve. Cushions are available in two durable finishes: nylon and urethane. Nylon cushions can be ordered with indexing bars attached. Cleared for use in proton therapy.



75 x 100 cm

VLPLV01	Urethane
VLPLV01C	Nylon
VLPLV01FC	Nylon w/ indexing



75 x 120 cm

VLPLV02	Urethane
VLPLV02C	Nylon
VLPLV02FC	Nylon w/ indexing



80 x 100 cm

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

VLPLV03C	Hourglass, Nylon
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Split Leg Cushion

For use with the HipFix® System (see page 91).

VL71FC	Nylon w/ indexing
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See pages 96 & 97 for more information on Vac-Lok cushions.

Patient Cushions & Positioning Aids

Comfortable, Easy-to-use, Reusable

Vac-Lok Cushions create a rigid and secure support around the patient when a vacuum is drawn through a self-sealing quick-release valve.



Vac-Lok™ Cushions



Vac-Lok Cushions create a rigid and secure support around the patient when a vacuum is drawn through a self-sealing quick-release valve. These cushions retain their shape and guarantee stability and reproducibility of the patient's position for up to six weeks once the air is vacuumed out.

- More rigid than previous generation (cream) bags
- Protective material coating provides greater cleanability than previous generation bags
- Attached indexing battens (on specific sizes) provide an easy method for repositioning
- Available for a span of clinical setups including head & neck, breast, pelvic & hip, and full body
- Treatment area is artifact-free with minimal beam attenuation
- Reusable for ultimate cost-effectiveness
- Available in gray nylon or clear urethane
- Cleared for use in proton therapy



Indexing battens provide an easy method for repositioning Vac-Lok Cushions



Self-sealing quick-release valve

Rectangular Vac-Lok Cushions

Dimensions	Fill (Liters)	Urethane	Nylon	Nylon w/Indexing
25 x 50 cm	2.25	VLE225	VLE225C	-
50 x 70 cm	15	VLF15	VLF15C	VLF15FC
70 x 70 cm	20	VLJ20	VLJ20C	VLJ20FC
70 x 100 cm	35	VLG35	VLG35C	VLG35FC
70 x 100 cm	40	VLG40	VLG40C	VLG40FC
75 x 100 cm	28	VLPLV01	VLPLV01C	VLPLV01FC
75 x 120 cm	34	VLPLV02	VLPLV02C	VLPLV02FC
75 x 150 cm	50	VLFB01	VLFB01C	VLFB01FC
75 x 180 cm	62	-	-	VLFB02FC
100 x 100 cm	40	VLB40	VLB40C	VLB40FC
100 x 150 cm	80	-	VLA80C*	-
100 x 200 cm	120	-	VLH120C*	-

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

Non-Rectangular Vac-Lok™ Cushions

Cushion	Dimensions	Fill (Liters)	Urethane	Nylon	Nylon w/ Indexing	Photo pg.
Head & Shoulders "T"	50 x 70 cm	6	VL37	-	-	72
"T"	87.5 x 140 cm	25	-	VL14C25*	-	-
"T" Tapered Mid-section	108 x 125 cm	44	-	-	VL0017	87
"T" Non-Tapered mid-section	108 x 125 cm	42	-	-	VL0018	87
Type-S™	61 x 65 cm	8	-	-	VLTY01CX	72
Type-S	140 x 65 cm	27	-	-	VLTY02CX	72
Arms Up	75 x 75 cm	20	VLARM01	VLARM01C	VLARM01FC*	87
Arms Up	105 x 75 cm	28	VLARM02	VLARM02C	VLARM02FC	87
One Arm Up	100 x 80 cm	34	VL04*	VL04C	-	87
Wing Board™	88 x 55 cm	15	VLWGB03	VLWGB03C	-	87
NEW! Monarch™ Wing Board	108 x 55 cm	17	-	VLWGB04C	-	87
NEW! Monarch Wing Board w/ Head Support Cutout	108 x 55 cm	14	-	VLWGB05C	-	87
Hourglass	80 x 100 cm	28	-	VLPLV03C*	-	94
Split Leg	60 x 100 cm	15	-	-	VL71FC	94

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



75 x 120 cm (Rectangular Cushion)



105 x 75 cm (Arms Up Cushion)

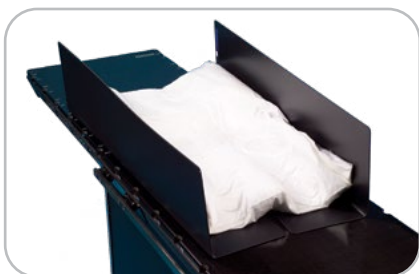


108 x 55 cm (Monarch Wing Board Vac-Lok)



108 x 125 cm (T-Shape Cushion)

Vac-Lok™ Accessories



Vac-Lok Cleaner

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

ONLY AVAILABLE IN THE U.S.

MTCBPFC

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.

THIS PRODUCT HAS NOT BEEN CE MARKED

MTVLHH150 150 cm long

I.D. Tags

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

MTVLTAG Pack of 25 Tags, Assorted Colors

Storage Racks

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

MTVL3SR Storage Rack, Stacked Rail (left)

MTVL401 Storage Rack, Double Wide (right)

MTVL402 Casters for MTVL401, Qty 4

MTVLHOOK "S" Hooks, Qty 10

Slide Guide Lok-Bar

The Slide Guide Lok-Bar does not lock down to the indexing points along the couhtop but slides longitudinally along the couhtop. It is designed to prevent lateral movement and is useful for longer devices such as bellyboards, breastboards and Vac-Lok Cushions, which contract during forming.

MTVL00853

MTIL1006 Transverse

Vacuum Compressors

Dual Function Compressors

The Dual Function Vacuum Compressor, available in a 115V and 230V version, 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.



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



Single Function Compressors

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.

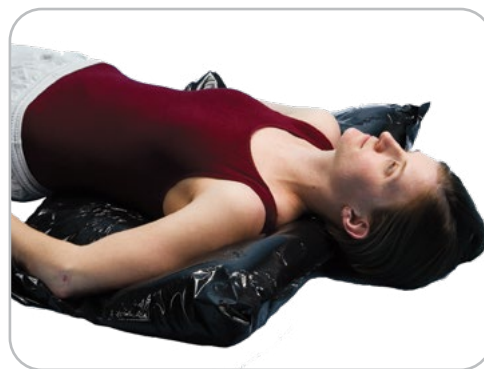
MTVL1A	110V (NOT CE MARKED)
MTVL1BEX	230V (CE MARKED)

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.

MTFA39B	RediFoam, Small Includes 33 x 40" (83.8 x 101.6 cm) RediFoam bag
MTFA40B	RediFoam, Large Includes 39 x 46" (99.1 x 116.8 cm) RediFoam bag
MTFA41B	RediFoam, X-Large Includes 39 x 56" (99.1 x 142.2 cm) RediFoam bag

ONLY AVAILABLE IN THE U.S.



Multi Purpose Support Cushions

MRSeries™

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. Five different shapes are sold separately or as a complete set, which also includes a Hand/Finger Positioner.

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

**NOTE: HAND/FINGER POSITIONER ONLY
AVAILABLE IN SET OF SIX (400006)**

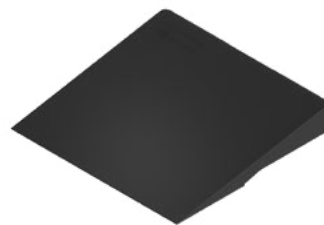


Shoulder Support Cushion

The Shoulder Support Cushion is a wedge shaped cushion designed to support the shoulders and upper body of the patient. When placed over the Posifix®-1 or -2 baseplate, the contours of the baseplate hold the cushion firmly in place.

301040

Shoulder Support Cushion



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.

- Indexable baseplate ensures a reproducible setup
- Four sets of indexing holes offer an isocentric position of the treated extremity wherever it is placed on the Multifix

107063

Multifix Baseplate, Carbon Fiber

930080

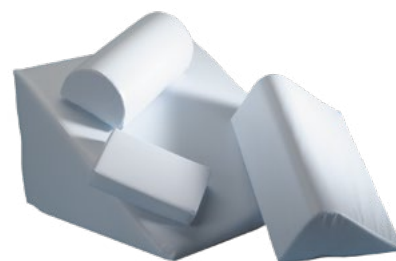
Small Multifix Posicast-Plus Microperfo Thermoplastic



See page 66 for more information on Posicast Thermoplastics.

Foam Cushions & Wedges

A full line of white foam positioning aids for comfortable patient support are available. Covered knee bolsters and wedges can be easily cleaned and re-used.



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

35°/55° Wedge MTVIPFFF101C 	45° Wedge MTVIPFFF102C 	15° Wedge MTVIPFFF103C 	20° Wedge MTVIPFFF104C
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 	

Suremark® Skin Markers

Suremark

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



MTSL10	1.0 mm, Qty 110/Box
MTSL15	1.5 mm, Qty 110/Box
MTSL20	2.0 mm, Qty 110/Box
MTSL25	2.5 mm, Qty 110/Box

Suremark Tabs

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



MTSL15T	1.5 mm, Qty 110/Box
MTSL20T	2.0 mm, Qty 110/Box

Suremark Relief Tabs

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



MTSL25RT	2.5 mm, Qty 110/Box
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Suremark Wire

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



MTSLW3	0.3 mm, 336 cm
MTSLW4	0.4 mm, 336 cm
MTSLW8	0.8 mm, 336 cm
MTSLW15	1.5 mm, 336 cm

Clearline Scar Markers

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



MTSLCL20	2.0 mm, 320 cm
MTSLCL25	2.5 mm, 203 cm

CT Mark



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

MTCTW10	Wire, 1.0 mm, 330 cm
MTCTW20	Wire, 2.0 mm, 300 cm
MTCT23	2.3 mm, Qty 110/Box
MTCT40	4.0 mm, Qty 50/Box
MTCTCR3	Cross, 1.2 cm, Qty 50/Box

Powermark™

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



MTSL30	3.0 mm, Qty 50/Box
MTSL40	4.0 mm, Qty 50/Box

LiquiMark MRI Markers NEW!

A line of fiducial markers for MRI that are non-metallic, not made with natural rubber latex, and perform consistently and accurately in a variety of applications.



MTSLLM1	8 mm round, Qty 40/Box	MRSeries™
MTSLLM2	15 mm tube, Qty 40/Box	MRSeries™

Visionmark

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



MTSLV25	2.5 mm, Qty 110/Box
MTSLV30	3.0 mm, Qty 50/Box
MTSLV40	4.0 mm, Qty 50/Box
MTSLV50	5.0 mm, Qty 50/Box

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 flexibility. They have a T-bar handle and can easily be removed for the optional insertion of barium.

- Materials promote patient comfort and provide ease of use
- Visible on any x-Radiation Modality
- Disposable, single use only

MTZM1710	Disposable Rectal Marker, 10 cm long, Qty 10
MTZM1740	Disposable Rectal Marker, 40 cm long, Qty 10
MTZM1735	Disposable Vaginal Marker, 18 cm long, Qty 10



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.

THESE PRODUCTS HAVE NOT BEEN CE MARKED

MTSDM15C	Standard 1.5 mm, Qty 100/Box
MTSDM20C	Standard 2.0 mm, Qty 100/Box

Portal Markers

Set of marker tapes designed to outline the treatment field. This product is useful when planning multiple fields of treatment.

- Long lasting
- Comfortable
- Minimizes tattooing
- Water resistant

MTPM100	Standard, each sheet contains 8 field lines, 4 corners, 2 set-up points, 2 isocenters, 50 Sheets
MTPM150	Isocenter, 18 isocenters and 6 field lines, 50 Sheets



Field Line



Corner



Set-up Point

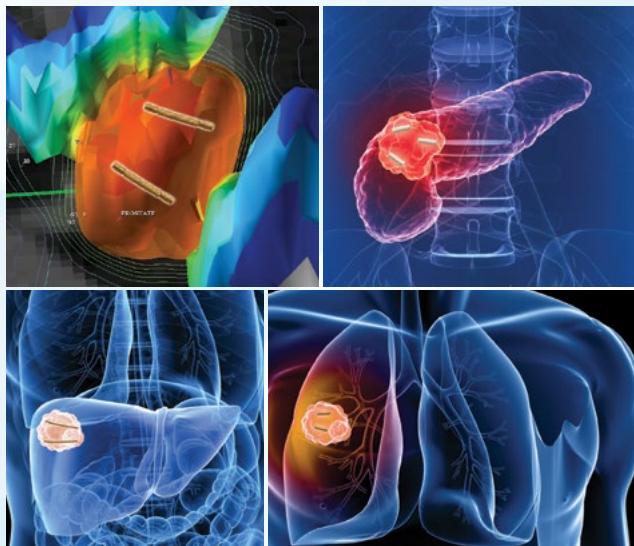


Isocenter

Fiducial Markers

Accurate target localization

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.



Fiducial Markers

Disease Site Recommendations



Head & Neck



Breast



Lung



Abdomen



Prostate

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:

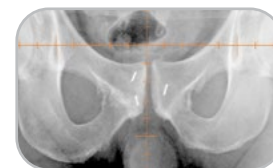
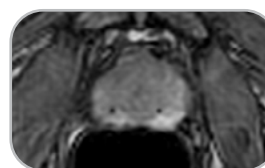
- Specially knurled surface is designed to inhibit migration
- 99.9% pure gold
- Non-biological imaging characteristics make markers easier to identify

Multiple needle gauge sizes:

- 20, 19, 18 and 17 gauge needles

FusionCoil™

The FusionCoil Marker images equally as well in CT as it does in MRI. It consists of an open spiral gold coil with a special biocompatible alloy 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.



MTCTXFC1051820	1 x 5 mm marker	18 GA ETW x 20 cm needle	Qty 1	
MTCTXFC10201820	1 x 20 mm marker	18 GA ETW x 20 cm needle	Qty 1	
MTCTXFC10251820*	1 x 5 mm marker <i>Includes 2 markers with a 15 mm bioabsorbable spacer.</i>	18 GA ETW x 20 cm needle	Qty 1	
MTCTXFC1051825	1 x 5 mm marker	18 GA ETW x 25 cm needle	Qty 1	

FusionCoil SBRT Kit

Cartridge Kits reduce the number of needle passes and minimize the chance of Edema or Pneumothorax.

MTCTXFC001	Pre-loaded FusionCoil needle, 18 GA x 20 cm, w/ 1 x 5 mm marker, Qty 1 Pre-loaded FusionCoil cartridges, 1 x 5 mm marker, Qty 2	
MTCTXFC105185	Additional Pre-loaded FusionCoil cartridge, 1 x 5 mm marker, Qty 1	



*NOT CE MARKED

Fiducial Markers

Disease Site Recommendations



Head & Neck



Breast



Lung



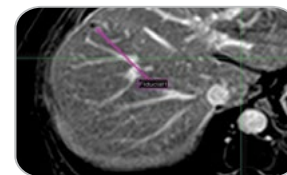
Abdomen



Prostate

PolyMark™ ProtonSeries™

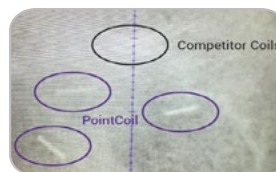
The PolyMark Marker is the first biocompatible polymer-based marker. It minimizes artifact, is visible using kV based IGRT solutions, MRI and is optimized for Proton Therapy.



MTCTXPM101820	1 x 3 mm marker	18 GA ETW x 20 cm needle	Qty 1	
MTCTXPM101825	1 x 3 mm marker	18 GA ETW x 25 cm needle	Qty 1	
MTCTXPM0834	0.8 x 3 mm marker Loose, Sterile	-	Qty 4	

PointCoil™

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.



MTCTXPC0605	0.6 x 5 mm marker	20 GA ETW x 20 cm needle	Qty 1	
Optimized for Proton. Minimal shadows when administering treatment.				

PointCoil SBRT Kit

Cartridge Kits reduce the number of needle passes and minimize the chance of Edema or Pneumothorax.

MTCTXPC0819153	Trocar placement needle, 19 GA x 15 cm, Qty 1 Pre-loaded PointCoil cartridge, 0.8 x 5 mm marker, Qty 3	
MTCTXPC08185	Additional Pre-loaded PointCoil cartridge, 0.8 x 5 mm marker, Qty 1	



Fiducial Markers

Disease Site Recommendations



Head & Neck



Breast



Lung



Abdomen



Prostate

FlexiCoil™

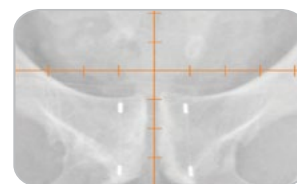
The FlexiCoil Marker is a unique, non-migrating marker with solid end points. FlexiCoil provides a unique image with two nodes that clearly define the end points.



MTCTXFC09101820	0.9 x 10 mm marker	18 GA ETW x 20 cm needle	Qty 1		
MTCTXFC12101720	1.2 x 10 mm marker	17 GA ETW x 20 cm needle			
MTCTXFC12201720	1.2 x 20 mm marker	17 GA ETW x 20 cm needle	Qty 1		

FlexiMarc™ G/T

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.



MTCTXGT10182010	1 x 3 mm markers 10 mm spaced	18 GA ETW x 20 cm needle	Qty 1		
MTCTXGT10182020	1 x 3 mm markers 20 mm spaced	18 GA ETW x 20 cm needle	Qty 1		

Optimized for CyberKnife® prostate treatments.

Coupled Markers

Coupled Markers are 3 mm long with either 0.8 or 1.0 mm 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.



MTNW887709	0.8 x 3 mm markers	18 GA ETW x 20 cm needle	Qty 2			
MTNW887710	1 x 3 mm markers	17 GA ETW x 20 cm needle	Qty 1			
MTNW887712	1 x 3 mm markers	17 GA ETW x 20 cm needle	Qty 2			
MTNW887711	1 x 3 mm markers	17 GA ETW x 20 cm needle	Qty 1			
	1.2 x 3 mm markers	17 GA ETW x 20 cm needle	Qty 1			

Fiducial Markers

Disease Site Recommendations



Head & Neck



Breast



Lung



Abdomen



Prostate

*Align™

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



MTNW887883	0.8 x 10 mm marker	18 GA ETW x 20 cm needle	Qty 2			
MTNW887881	1.2 x 10 mm marker	17 GA ETW x 20 cm needle	Qty 2			
MTNW887882	1.2 x 10 mm marker	17 GA ETW x 20 cm needle	Qty 3			

*CyberMark™

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



MTNW887851	1 x 5 mm marker	18 GA ETW x 20 cm needle	Qty 1			
MTNW887853	1 x 5 mm marker	18 GA ETW x 20 cm needle	Qty 3			
MTNW887855	1 x 5 mm marker <i>Loose, Sterile</i>	-	Qty 4			

*Bone Markers

Bone Markers are 99.9% pure gold 2 mm spheres recommended for head and neck applications. They are typically placed in a small hole in the bone and sealed with bone wax, with minimal marker migration.



MTNW887805	2 mm diameter <i>Loose, Sterile</i>	-	Qty 3	
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Suture-Type Markers

Suture-Type Markers are designed for high accuracy breast tumor localization. The 99.9% pure gold spheres with small central holes are readily sutured in place to provide a permanent localization solution. They are prethreaded on absorbable sutures.



MTNW887866	2 mm diameter	-	Qty 3	
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*ALIGN, CYBERMARK AND BONE MARKERS ARE NOT CE MARKED

Fiducial Markers

Disease Site Recommendations



Head & Neck



Breast



Lung



Abdomen



Prostate

*Gold Soft Tissue Markers

Gold Soft Tissue Markers are 99.9% pure gold cylinders specially knurled to inhibit migration. They are 3 mm long and 0.8, 0.9, 1.2 or 1.6 mm in diameter. They are available loose or in sterilized preloaded needles.




MTNW887871	0.9 x 3 mm marker	18 GA ETW x 12 cm needle	Qty 1			
MTNW887870	0.9 x 3 mm marker	18 GA ETW x 12 cm needle	Qty 3			
MTNW887872	0.9 x 3 mm marker	18 GA ETW x 20 cm needle	Qty 1			
MTNW887873	0.9 x 3 mm marker	18 GA ETW x 20 cm needle	Qty 3			
MTNW887830	1.2 x 3 mm marker	17 GA ETW x 20 cm needle	Qty 1			
MTNW887825	1.2 x 3 mm marker	17 GA ETW x 20 cm needle	Qty 3			
MTNW887840	1.2 x 3 mm marker	17 GA ETW x 20 cm needle	Qty 4			
MTNW887836	1.2 x 3 mm marker	17 GA ETW x 30 cm needle	Qty 1			
MTNW887835	1.2 x 3 mm marker	17 GA ETW x 30 cm needle	Qty 3			
MTNW887837	1.2 x 3 mm marker	17 GA ETW x 30 cm needle	Qty 4			
MTNW887860	1.6 x 3 mm marker	14 GA ETW x 20 cm needle	Qty 3			
MTNW887808	0.8 x 3 mm marker <i>Loose, Sterile</i>	-	Qty 3			
MTNW887809	0.9 x 3 mm marker <i>Loose, Sterile</i>	-	Qty 3			
MTNW887810	1.2 x 3 mm markers <i>10 mm spaced</i>	17 GA ETW x 20 cm needle	Qty 1			
MTNW887812	1.2 x 3 mm marker <i>Loose, Sterile</i>	-	Qty 3			

*GOLD SOFT TISSUE MARKERS ARE NOT CE MARKED

MRSeries™

Accurate transfer from MR imaging to treatment

MRSeries products are intended for use in the MR environment. Always refer to product labeling to identify whether a device is MR Safe or MR Conditional.

Look for the  MRSeries™ logo throughout the catalog for more information on these solutions.



Universal Couchtop™ MR Overlays



Universal Couchtop MR Overlays are made from fiberglass and feature Prodigy™ 2 indexing in 7 cm increments. Universal Couchtop is available on most major CT, MR, Proton and Linac models to provide seamless transfer from imaging to treatment.

- Three-Pin Lok-Bar™ offers the option to use existing MR-compatible devices by indexing them to the overlay



See pages 16–26 for additional information on Universal Couchtop.

Universal Couchtop MR Overlay for:	Indexing Style	Compatible Lok-Bar	Part #
Siemens			
MAGNETOM Vida 3T (with Type-S™ & Posifix® mask attachment)	Prodigy 2	MTIL6054	MTM3004
MAGNETOM Sola 1.5T (with Type-S & Posifix mask attachment)	Prodigy 2	MTIL6054	MTM3004
Canon (formerly Toshiba)			
Vantage Galan 3T	Prodigy 2	MTIL6054	Contact Canon Medical for more information
Vantage Orian 1.5T	Prodigy 2	MTIL6054	

COMING
SOON!

Three-Pin Lok-Bar

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.

MTIL3351	Interloc 50 cm
MTIL3352	Interloc 53 cm
MTIL3454	Prodigy 50 cm
MTIL6054	Prodigy 2, 53 cm

Elekta Unity MR-Linac Three-Pin Lok-Bar NEW!

Allow the use of CIVCO's MRSeries positioning devices

MTULB001	Three-Pin compatible
MTULB002	QA Lok-Bar, contains spacer support for a stable and consistent base

Overlays

MRI overlays are made of fiberglass with a foam core, have Prodigy™ and Interloc® indexing options and are compatible with a three-pin Lok-Bar™. Three-Pin Lok-Bars allow MRI compatible devices to be indexed to an MRI couchtop while preventing MR Unsafe devices from being used.



MRI Overlay for:	Indexing Style	Compatible Lok-Bar	Part #
Philips			
Panorama, 50 cm Wide (Only available from Philips)	Prodigy	MTIL3454 (2 included)	MTM3400
Panorama, 40 cm Wide (Only available from Philips)	Prodigy	MTIL3455 (2 included)	MTM3401
Ingenia	Interloc	MTIL3352 (2 included)	MTM3404
GE			
Wide Bore (750w or 450w) no GEM	Interloc	MTIL3352 (1 included)	MTM3301
Wide Bore (750w or 450w) with GEM	Interloc	MTIL3352 (1 included)	MTM3302
Siemens			
Magnetom Avanto, Magnetom Espree, Magnetom Symphony A Tim System, Magnetom Trio A Tim System	Prodigy	MTIL3454 (1 included)	MTM3000
Magnetom Verio	Prodigy	MTIL3454 (1 included)	MTM3001
Aera, Skyra, Vida, Prisma (with Type-S mask attachment)	Prodigy	MTIL3454 (1 included)	MTM3002
Aera, Skyra, Vida, Prisma (with Posifix mask attachment)	Prodigy	MTIL3454 (1 included)	MTM3003

Positioning Devices

MRSeries™

Head & Neck

NEW!



**Solstice™ MR SRS
Immobilization
System**
Page 44

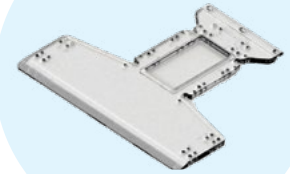


**Solstat™
Immobilization
System**
Page 68

NEW!



ProForm™ Overlay
Page 118
Type-S™ Overlay
Page 50



Acrylic Baseplates
Posifix® Page 63
Uni-frame® Page 58



Thermoplastics
Type-S Pages 51 – 57
Posifix Pages 64 – 67
Uni-frame Pages 59 – 61
Precise Bite™ Page 70



**GrayDuck Oral
Positioning Stents**
Page 70



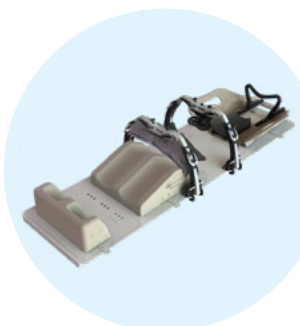
**trUpoint ARCH™
SRS/SRT System**
Page 46



**Customizable
Head Support**
Page 69
AccuForm™ Cushions
Page 71

Headrests
Pages 73 – 75

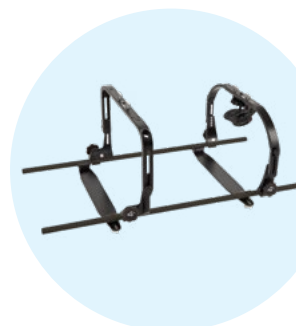
Lung & Abdomen



Body Pro-Lok ONE™
Pages 28 & 29



Body Pro-Lok™
Pages 30 & 31



**Body Pro-Lok
Rails-Only**
Page 33

Positioning Devices

Breast & Thorax



**Chabner XRT®
Radiation Bra**
Page 12

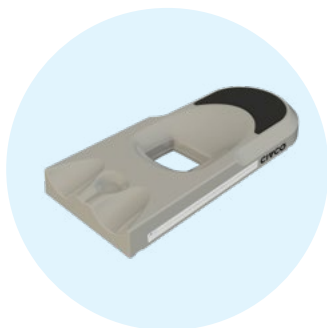


**Monarch™ Overhead
Arm Positioner**
Page 80



Wing Boards™
Page 86

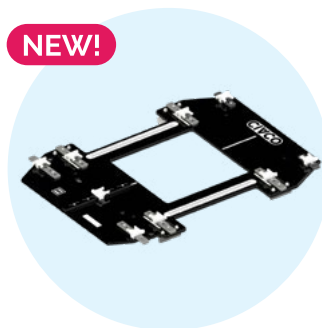
Hip & Pelvic



MR Bellyboard
Page 89

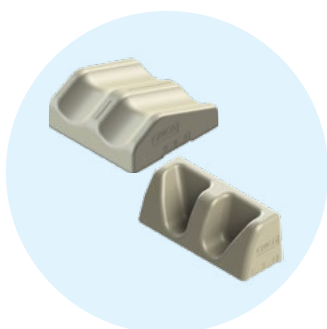


Combifix™ 3
Page 90



HipFix® Baseplate
Page 91

Patient Cushions & Positioning Aids



**Kneefix™ 3
& Feetfix™ 3**
Page 93



**Vac-Lok™
Cushions**
Pages 96 & 97



**Multipurpose
Support Cushions**
Page 100




**LiquiMark MRI
Markers**
Page 103

ProtonSeries™

Confident Proton Therapy Without Compromise

ProtonSeries family of products meet the unique requirements of proton therapy and are intended for use in a proton environment.

Look for the  **ProtonSeries™** logo throughout the catalog for more information on these solutions.



Universal Couchtop™ Long Extension



The Universal Couchtop™ is a modern and comprehensive solution for enabling advanced treatments in your clinic. Specifically designed to answer the demands of Proton, the Universal Couchtop Long Extension contains no rails or junctions in the treatment area to help facilitate better dose delivery and target coverage.

- Homogenous design for consistent treatment planning
- Utilizes Prodigy™ 2 indexing at 7 cm increments
- Low attenuation and surface dose
- Self-locking extension seam located outside of treatment field
- Compatible with many CIVCO positioning and immobilization devices (see page 122)
- 5 Year Warranty



IBA Systems Proteus® ONE and Proteus PLUS

- Includes Rectangular Extension (MTIL6673) and Prodigy 2 Lok-Bar™
- Large treatment area of 58.9" (149.7 cm)

MTIL6840	F-Series
MTIL6841	L-Series

NEW!

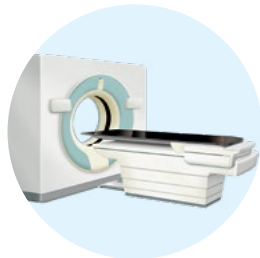
Mevion Medical Systems S250™ Series

- Includes Rectangular Extension (MTIL6660) and Prodigy 2 Lok-Bar
- Large treatment area of 47.1" (119.7 cm)

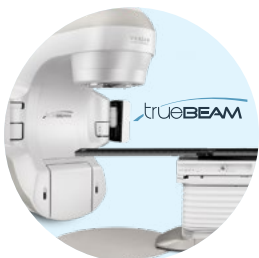
MTIL7040	S250 Series
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Rectangular Extension

MTIL6673	64.9" (164.8 cm)
MTIL6676	64.9" (164.8 cm), CT compatible
MTIL6660	53.1" (134.9 cm)



A universal platform
for immobilization &
positioning



See page 19 for Linac and CT
compatible Universal Couchtops

ProForm™ Head & Neck Immobilization



The Universal Couchtop™ ProForm™ Head & Neck Extension features geometry that allows for direct access to effectively treat CNS patients. ProForm accepts a dedicated thermoplastic mask designed to meet the unique requirements of proton therapy.

- Homogeneous treatment area and soft gradient edges reduce beam degradation
- Head & Neck area provides fixed points that allow repeatable positioning and security of the AccuForm™ Cushion
- Thermoplastic mask attaches with a smaller profile frame and pin similar to CIVCO's Type-S™ system



ProForm Extension

MTIL6675K 53.9" (136.9 cm), includes cushion forming guide and patient handles



ProForm Overlays **NEW!**

The ProForm CT & Photon Treatment Overlay and MR Overlay allow for CT simulation or MR imaging of patients who will be treated on the Universal Couchtop ProForm Extension, allowing seamless transition from simulation to treatment.

PRO300K ProForm CT & Photon Treatment Overlay, 2-Pin Lok-Bar compatible, includes ProForm Cushion Guide, Patient Handles and Table Strap (top photo)

PRO320K ProForm MR Overlay, 3-Pin Lok-Bar compatible, includes Cushion Guide and Patient Handles (bottom photo)



Shoulder Thermoplastic Docking Options

Two shoulder docking options are available; top docking (left) and underneath docking (right) to accommodate for larger patients where additional stretching of thermoplastic may be required.



ProForm™ Thermoplastic

NEW!

ProForm™

FreedomView™ IMRT Style 18

Precut eye and mouth openings increase patient comfort and setup efficiency.

PRO330IM1832CL	Head Only, Disposable 3.2 mm, includes registration film	Qty 5
PRO331IM1832CL	Head, Neck & Shoulders, Disposable 3.2 mm, includes registration film	Qty 5
PRO331IM1832CLN	Head, Neck & Shoulders, Narrow, Disposable 3.2 mm, includes registration film	Qty 5



HEAD, NECK
& SHOULDERS
COMING
SOON!



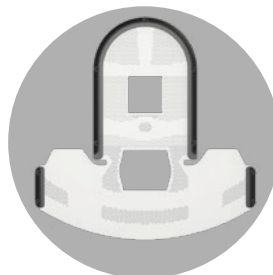
ClearVision™ 2

Open face mask designed for use with vision/camera systems.

PRO330IM1832SG	Head Only, Disposable 3.2 mm, includes registration film	Qty 5
PRO331IM1832S	Head, Neck & Shoulders, Disposable 3.2 mm, includes registration film	Qty 5
PRO3311832SGN	Head, Neck & Shoulders, Narrow, Disposable 3.2 mm, includes registration film	Qty 5



HEAD, NECK
& SHOULDERS
COMING
SOON!

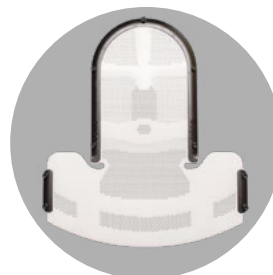


ProtonSeries

IMRT Reinforced Thermoplastic Style 18

Features a combination of perforated and solid thermoplastic throughout the mask to provide rigidity and secure immobilization.

PRO330IM1832	Head Only, Disposable 3.2 mm, includes registration film	Qty 5
PRO331IM1832	Head, Neck & Shoulders, Disposable 3.2 mm, includes registration film	Qty 5
PRO331IM1832N	Head, Neck & Shoulders, Narrow, Disposable, 3.2 mm, includes registration film	Qty 5

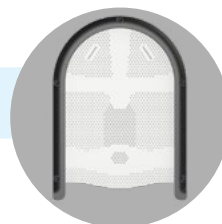


IMRT Reinforced Thermoplastic Style 18 with Hair Openings

COMING SOON!

Features a combination of perforated and solid thermoplastic with two openings to accommodate patients with long hair.

PRO330IM1832PT	Head Only, Disposable, w/ Hair Openings, 3.2 mm, includes registration film	Qty 5
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ProForm™ Thermoplastic

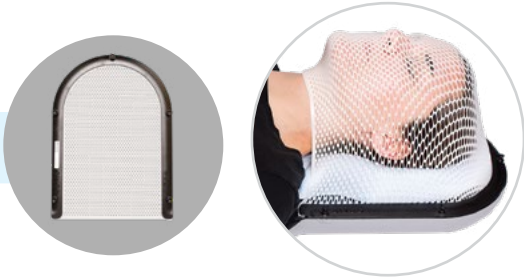
NEW!



Standard Perforated Thermoplastic

Features consistent perforation throughout the mask for well-balanced fixation and patient comfort.

PR0330	Head Only, Disposable 3.2 mm, includes registration film	Qty 5
--------	---	-------



Solid with Perforated Nose Thermoplastic

COMING SOON!

Solid thermoplastic with perforated nose area provides rigid and consistent thickness throughout mask.

PR0330SPN32	Head Only, Disposable 3.2 mm, includes registration film	Qty 5
-------------	---	-------



AccuForm™ Cushion

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

MTACL2035	AccuForm Cushion, 20 X 35 cm, Chamfered	Qty 1
-----------	--	-------



Additional Positioning Devices

Head & Neck

NEW!



**GrayDuck Oral
Positioning Stents**

Page 70

Breast & Thorax



**Chabner XRT®
Radiation Bra**

Page 12



**C-Qual M™ with
Monarch™ Overhead
Arm Positioner**

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Lung & Abdomen



**Body Pro-Lok ONE™
Respiratory Belt**

Page 28

Hip & Pelvic



Combifix™ 3

Page 90

Patient Cushions

NEW!



**Vac-Lok™
Cushions**

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Fiducial Markers



PolyMark™

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UCT Accessories

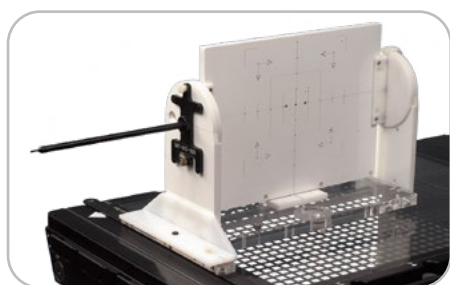


**Universal Couchtop™
Patient Handles**

Page 22

Accessories & Aids

Quality Assurance



Iso-Align™

The Iso-Align is a multi-purpose quality assurance device designed to assist in the routine secondary verification of linear accelerators and room lasers. 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. In addition, the Iso-Align can be used to verify multiple aspects of linear accelerators and room lasers, 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

MTIAD1



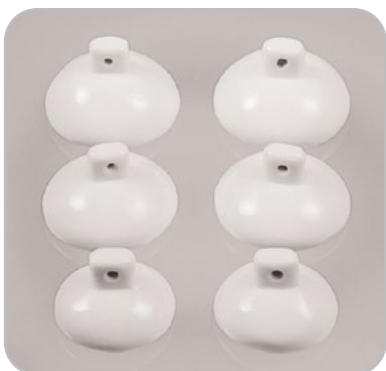
TG66 CT Simulation Laser QA Device

This unique device is used to complete secondary specific quality assurance checks of CT scanners and room lasers, in accordance with the recommendations of AAPM's TG66. Easily indexed to the CT table, this clearly-marked tool helps perform an array of important QA checks, including:

- Alignment of gantry lasers
- Spacing and orientation of room lasers
- Confirmation of a level and orthogonal table orientation

MTTG66

Requires (Qty 2) Two Pin Lok-Bars™



Tungsten Eye Shields

Tungsten Eye Shields 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 (19.5 mm), medium (23 mm) and large (25 mm).

**ONLY CURRENT VALID STERILIZATION METHOD:
GAS STERILIZATION (ETO)**

MTT45S	Small, Qty 1
MTT45M	Medium, Qty 1
MTT45L	Large, Qty 1



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" (1.27 cm) and features an open sector to allow comfortable attachment to the patient. All surfaces are coated with a polyurethane paint.

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.

THESE PRODUCTS HAVE NOT BEEN CE MARKED

MTTSS	Small, Qty 1
MTTSM	Medium, Qty 1
MTTSL	Large, Qty 1



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 – 25.4 cm). The stand can be used for anterior and posterior treatments.

THIS PRODUCT HAS NOT BEEN CE MARKED

MTTSST2

Accessories & Aids



Bolus

Bolus is made from a solid, tissue-equivalent gel. 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. Bolus sheets can be cut with scissors to any desired shape and layered to obtain the desired bolus effect.

visionrt COMPATIBLE

Size	Thickness	Skinless*	Skinless (CE Marked)	w/ Skin (CE Marked)
30 x 30 cm	0.3 cm	MTCB403	MTCB403CE	-
	0.5 cm	MTCB405	MTCB405CE	MTCB405S
	1.0 cm	MTCB410	MTCB410CE	MTCB410S
	1.5 cm	MTCB415	-	MTCB415S
	2.0 cm	MTCB420	-	MTCB420S
30 x 50 cm	0.5 cm	-	-	MTCB305005S
	1.0 cm	-	-	MTCB305010S
15 x 15 cm	0.5 cm	-	-	MTCB455S
	1.0 cm	-	-	MTCB450S
40 x 40 cm	0.5 cm	-	-	MTCB404005S
	1.0 cm	-	-	MTCB404010S

***NOT CE MARKED**

ALRA Skin Care

This special line of skin care products is designed to provide gentle, effective care for patients undergoing radiation therapy.

The moisturizer contains aloe vera, lanolin, Vitamin E, collagen and allantoin. It is 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 bactericide lichen. Your patients can order ALRA products directly from CIVCO (North America only).

THESE PRODUCTS HAVE NOT BEEN CE MARKED



MTCBALRASL4 Therapy Lotion, 4 oz

MTCBALRAD Non-Metallic Deodorant

See Vision RT's compatibility statement on page 134.

Accessories & Aids



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.

MTVIP181	Ring for small hands (3" inside diameter)
MTVIP182	Ring for average hands (4.25" inside diameter)
MTVIP183	Ring for large hands or small feet (6" inside diameter)
MTVIP166	Set of 3 rings (3, 4.25 and 6" inside diameter)
MTVIP1664	Set of 4 rings (3, 4.25, 6 and 8" inside diameter)



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. 4" wide x 72" long.

THIS PRODUCT HAS NOT BEEN CE MARKED

MTVIP173



Incontinence Clamps

THESE PRODUCTS HAVE NOT BEEN CE MARKED

MTVIPU414R	Cunningham Clamp, Regular
MTVIPU414L	Cunningham Clamp, Large
MTVIPU413	Zipser Clamp (right photo)



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.

THIS PRODUCT HAS NOT BEEN CE MARKED

MTVIP40



Digital Level

The Digital Level provides a digital readout to a tenth of a degree.

MTDROL

Accessories & Aids



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.

THESE PRODUCTS HAVE NOT BEEN CE MARKED

MTBC45	Body Caliper, 45 cm
MTBC55	Body Caliper, 55 cm

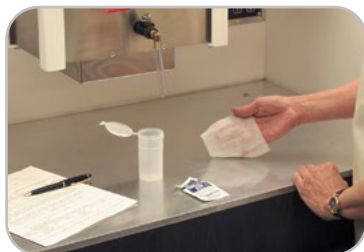


Air Sampling

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.

ONLY AVAILABLE IN THE U.S.

AIRTEST



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.

ONLY AVAILABLE IN THE U.S.

WIPETEST



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 300 lbs (135 kg) and measures 40⁵/₈ x 20 x 37¹³/₁₆" (103.2 x 50.8 x 96 cm). An optional storage bin is available for storing smaller items.

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

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Type-S™ Thermoplastic Style 18 Open Face Mask & Solstice™ ClearVision™ 2 Open Face Masks

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Radiotherapy



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