What's NEW!

High quality, innovative & patient-centric radiotherapy solutions
**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 listened to customer feedback and created innovative new technology that now allows users to easily create moulds that can be 3D printed and filled with flexible material to produce patient-specific bolus.

This feature is now available in the Simple 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.

"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**

Flexible material validated by Adaptiiv: Silicone*

For procurement of materials that have been validated for use with Adaptiiv’s 3D printed moulds software feature, please contact Adaptiiv or your local distributor.

*Silicone validated for use with Adaptiiv's 3D printing software solution: Smooth-On, Inc. Ecoflex™ Series.

Adaptiiv has FDA 510(k) clearance to market a 3D printing software solution intended for use in radiation oncology.
Enhanced HDR Surface Brachytherapy v3.0

Adaptiiv’s 3D printing software solution enables cancer centers to quickly and confidently create patient-specific applicators that provide a superior dose distribution compared to other existing methods. Version 3.0 of the HDR surface brachytherapy module includes numerous enhancements to tunnel generation, 3D structure visualization, and customization options to ensure the applicator you create meets the needs of the planned treatment.

NEW!

New Features in v3.0

3D Structure Visualization

• Users can now visualize RT structures in 3D view, allowing them to see the PTV and OARs (or other underlying structures) at any transparency level when planning and creating custom brachytherapy tunnels.

![A 3D view of a brachytherapy applicator, PTV (in red), and underlying structures.](image)

Brachytherapy Curvature Mode

• Useful when dealing with complicated anatomy that has a double curvature, such as a scalp. Simply activate the curvature mode and the advanced algorithm will accommodate for more complex cases.

![Catheter tunnel trajectories with small curvature radius can be smoothed or straightened by enabling the ‘curvature mode’.](image)
Trajectory Shortening

- Users can shorten and stop any tunnel as needed. Simply click on the green node at the end of each trajectory and continue to do so until satisfied.

Node removal process shown in Adaptiiv software. Trajectories are generated after selected nodes have been shortened.

Tunnel Countersinks

- Users can now add countersinks to the ends of each tunnel, where the height and radius can be manually adjusted. Adding countersinks to the ends of trajectories softens the tunnel entry and exit points for easier catheter placement.

Countersinks at the ends of each tunnel have been generated.

Tunnel Labels

- Click anywhere on the applicator to place tunnel labels. Users can move or delete labels as required. Each label will be printed directly in the applicator to aid in catheter placement.

A preview of where tunnel labels have been placed on the applicator. Tunnel labels shown printed directly in the applicator.
Solstice™ MR SRS Immobilization System

The Solstice SRS Immobilization System provides unique corrective pitch capability and positioning flexibility. The system is comprised of a glass fiber 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 during MR simulation for radiotherapy planning.

- Variable pitch capability provides increased setup options during MR simulation
- 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

**Head Support**

| Glass Fiber, MR, Posifix, Qty 1 | CHS03MR |
| Glass Fiber, MR, Type-S, Qty 1 | CHS04MR |

Visit CivcoRT.com to learn more about the Solstice Head Support treatment version
ProtonSeries™
Confident Proton Therapy without Compromise
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.

No Overlays Required

- 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

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)

- | Model  | Series |
- |-------|--------|
- | 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)

- | Model  | Series |
- |-------|--------|
- | MTIL7040 | S250 Series |

Rectangular Extension

- | Model  | Size     |
- |-------|----------|
- | MTIL6673 | 64.9” (164.8 cm) |
- | MTIL6676 | 64.9” (164.8 cm), CT compatible |
- | MTIL6660 | 53.1” (134.9 cm) |
Dosimetrically Matched Universal Couchtops™

Universal Couchtop is available in dosimetrically matched* couchtops for most major CT, Linac and Proton models to provide seamless transition from simulation to treatment.

Reduce set-up and treatment errors
Installing Universal Couchtop on all department pedestals will offer the same:
- Dose attenuation
- Deflection
- Indexing
- Immobilization device attachment

Scan or treat patients on matching couchtops
Installing matching couchtops allows patients to be scanned or treated on any Linac, CT or proton model as required. This is ideal when machines are down or departments are trying to manage patient throughput.

*Contact your sales representative for more information.
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 of CIVCO’s patented Type-S™ frame & pin docking system designed specifically for proton therapy
- Head, Neck & Shoulder thermoplastic and patient handles available for shoulder repositioning

ProForm Extension

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>MTIL6675K</td>
<td>Universal Couchtop ProForm Head &amp; Neck Extension, 53.9” (136.9 cm), includes ProForm Cushion Guide and UCT Patient Handles</td>
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NEW!

ProForm Overlays

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.

<table>
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<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>PRO300</td>
<td>ProForm CT &amp; Photon Treatment Overlay, 2-Pin Lok-Bar compatible, includes ProForm Cushion Guide (top photo)</td>
</tr>
<tr>
<td>PRO320</td>
<td>ProForm MR Overlay, 3-Pin Lok-Bar compatible, includes cushion guide (bottom photo)</td>
</tr>
</tbody>
</table>

Shoulder Thermoplastic Docking Options

Two shoulder docking options are available; standard top docking and underneath docking to accommodate for larger patients where additional stretching of thermoplastic may be required.
Head & Neck Immobilization

**NEW!**

**ProForm™ Standard White Thermoplastic**
Features consistent perforation throughout the mask for well-balanced fixation and patient comfort.

<table>
<thead>
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<th>PRO330</th>
<th>Head Only, Disposable</th>
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<td>3.2 mm, includes registration film</td>
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**NEW!**

**ProForm IMRT Reinforced Thermoplastic Style 18**
Features a combination of perforated and solid thermoplastic throughout the mask to provide rigidity and secure immobilization.

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**NEW!**

**ProForm ClearVision™ 2**
Open face mask designed for use with vision/camera systems.

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<th>PRO330IM1832SG</th>
<th>Head Only, Disposable</th>
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<tbody>
<tr>
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**AccuForm Cushion**
Ideal for high-precision head and neck treatments when enhanced comfort, stability and repositioning accuracy are key.

<table>
<thead>
<tr>
<th>MTACL2035</th>
<th>AccuForm Cushion, 20 X 35 cm, Chamfered</th>
<th>Qty 1</th>
</tr>
</thead>
</table>
Positioning & Immobilization Solutions

Visit CIVCO’s YouTube Channel for Instructional Videos

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.

- Washable, reusable fitting bras provide a unique solution to properly size the patient.
- Customizable for a wide variety of body types.
- User-friendly for patient, therapist and physician.

C-Qual M™ with Monarch™ Overhead Arm Positioner
Provides an 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 increases positioning options for patients of varied torso lengths.
- Elevation Supports secure angles from 5° to 25° with nine different tilt positions.

Body Pro-Lok ONE™ Respiratory Belt
Provides pneumatic compression and immobilization to the abdominal region for SBRT Immobilization and attaches directly to the Universal Couchtop.

Combifix™ 3
The Combifix 3 baseplate indexes to the couchtop, combining the Kneefix™ and Feetfix™. Each cushion enhances the performance of the other, especially when treating the pelvic region.

- Kneefix 3 height is adjustable in 5 cm increments with the use of Elevation Blocks.
- Feetfix 3 is adjustable longitudinally in 8 indexable positions and 4 indexable angles.
Positioning & Immobilization Solutions

Technical Data available at CivcoRT.com

**Vac-Lok™ Cushions**
Create a rigid and secure support around the patient when a vacuum is drawn through a self-sealing, quick-release valve. The cushion retains its shape and guarantees stability and reproducibility of the patient’s position for up to six weeks once the air is vacuumed out.

- Protective material coating provides greater cleanability than previous generation bags.
- Available for a span of clinical setups including head & neck, breast, pelvic & hip, and full body.
- Reusable for ultimate cost-effectiveness.

**AccuForm™ Cushions**
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.

**Patient Handles**
Clamp to the Universal Couchtop, providing a stable place for immobilized patients to place their hands.

- Indexable, providing reproducible arm and shoulder positioning.

**PolyMark™ Fiducial Markers**
The first biocompatible polymer-based markers. They minimize artifact, are visible using kV based IGRT solutions, MRI and are optimized for Proton Therapy.