POSITIONING & IMMOBILIZATION PRODUCTS

COUCH TABLE PADS

Polyfoam: High density foam that is supportive and comfortable for use in short duration procedures.
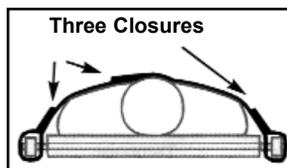**Density:** 0.0288 gm/cm^3

Color: Blue
Covering: Non-slip, long wearing nylon - water resistant seams.

Item #	Treatment Table Pad	Size
192-219	Polyfoam	19" x 72" x 1"
192-224	Polyfoam	24" x 72" x 1"

Custom Sizes are Available

UNIVERSAL STRAPS

Three Closures

The two piece side rail Universal Straps are strong, durable and flexible. The end of each strap loops around the side rails and fastens to itself with a powerful new Velcro® hook. The two free ends are then overlapped onto one another to complete the strap. The Universal Straps will fit tables 18 - 30" wide.

Item #	Description	Width	Length
253-202	Universal Straps	2"	40"
253-204	Universal Straps	4"	40"

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SMOOTH MOVER™ PATIENT MOVER

268-030

268-000

The Smooth-Mover™ Patient Mover is an economical ultra smooth patented board which is capable of safely moving even extremely large patients with minimal staffing requirements. It is radio-translucent and can be left in place during x-ray procedures. It is lightweight, yet durable. Perfect for daily patient moving needs.

Specifications

Dimensions: 3/16" x 22" x 72" (0.5 x 56 x 183 cm)
Weight: 9 lb (4.1 kg)
Color: Royal Blue

Item #	Description
268-000	Smooth Mover™ Patient Mover
268-030	Wall Hanger for Smooth-Mover™ Patient Mover

I.V. POLE
Attaches To The Treatment Couch Rails

The I.V. Pole has an adjustable locking ring to prevent the post from dropping if the rail holder loosens. Rail block must be ordered separately.

Specifications

Material: Stainless Steel
Length: 48"
Hooks: 2 ram horn type hooks
Mount: Rail accessory or RPD accessory rail blocks

Item #	Description
255-302	I.V. Pole, Varian, Post Size: 3/4" Dia. x 48" L
255-303	I.V. Pole, Siemens, Post Size: 5/8" Dia. x 48" L
255-290	Rail Block, Varian, Rail Size: 0.375" x 1 1/8"
255-291	Rail Block, Siemens, Rail Size: 0.375" x 1"
255-292	Rail Block, Philips, State Rail Size
255-293	Rail Block, Oldelft, State Rail Size
255-294	Rail Block, Theratron-Equinox 0.250" x 1"

Other Manufacturers Available

ADJUSTABLE KNEE CRUTCHES
Attach To The Treatment Couch Rails

255-201　　**255-290**

The aluminum Adjustable Knee Crutches are covered with 3/16" beige, vinyl material. The Knee Crutch rotates to ensure patient comfort and a locking handle then secures the crutch in place.

The heavy duty steel post provides sturdiness and has an adjustable locking ring to prevent the post from dropping if the rail holder loosens. Rail block must be ordered separately.

Item #	Description
255-201	Knee Crutches, Varian, Post Size: 3/4" Dia.
255-220	Knee Crutches, Siemens, Post Size: 5/8" Dia.
255-290	Rail Block, Varian, Rail Size: 0.375" x 1 1/8"
255-291	Rail Block, Siemens, Rail Size: 0.375" x 1"
255-292	Rail Block, Philips, State Rail Size
255-293	Rail Block, Oldelft, State Rail Size
255-294	Rail Block, Theratron-Equinox 0.250" x 1"

Other Manufacturers Available - Sold in Pairs

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ARM BOARD / COUCH WIDTH EXTENDER
For Attaching to Treatment Couch Rail

Item #	Description
255-002	Varian Spine Style Arm Board
255-003	Varian ETR Style Arm Board
255-008	Varian Ximatron Arm Board
255-020	Siemens Z-II Arm Board
255-022	Siemens Z-IV or Z-XT Arm Board
255-024	Siemens Mevasim "S" Arm Board
255-027	Siemens TEM Simulator Arm Board
255-030	Philips SL75 or SL25 Arm Board
255-060	Oldelft Simulator Arm Board

Other Manufacturers Available

This clear lexan Arm Board (1/2" x 5" x 19") attaches to the treatment or simulator couch side rail and is used to support the arm or shoulder.

HAND GRIPS
Attach To Treatment Couch Rails
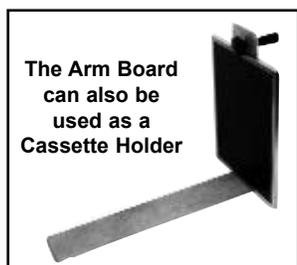

Item #	Description
255-101	Varian Hand Grips
255-120	Siemens Hand Grips
255-122	Siemens Mevasim "S" Hand Grips
255-130	Philips Hand Grips
255-160	Oldelft Hand Grips

Other Manufacturers Available

ALUMINUM ARM BOARD

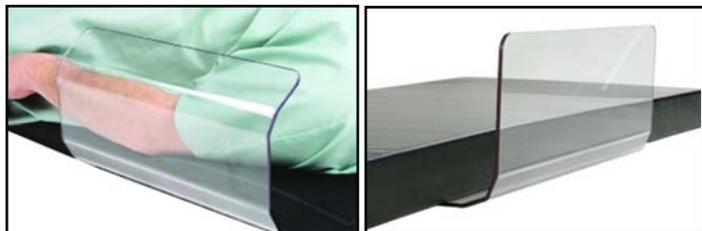**The Arm Board can also be used as a Cassette Holder**

The Aluminum Arm Board is constructed of 3/16" (0.48 cm) thick aluminum. The arm rest is 5 3/4" (14.66) wide. The horizontal portion is approximately 28" (71.37 cm) long and the vertical portion is approximately 19" (48.43 cm) high. The handle can be adjusted over a range of 9 1/4" (23.58 cm).

Item	Description
250-000	Aluminum Arm Board
252-020	Replacement Knob for Arm Board
252-030	Replacement Handle for Arm Board

TOBOGGAN ARM/LEG GUARDS

255-500

255-504

Small: Great for upper body procedures; use when a shorter height or length is required. Also offers a better fit for pediatric, adolescent, and small patients. Smaller size reduces interference with overhead cameras and other surgical equipment.

Medium (Standard): Fits most average size patients' extremities. Available individually or in pairs.

Large: Accomodates larger arms and legs

Extra Large: Is 24" (60.96 cm) long to provide extra support and protection

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- **Keep arms/legs on the table**
- **Help prevent accidental dislodgment of IV and arterial lines**
- **Help shield ulnar nerve against excess pressure**

Toboggan Arm/Leg Guards are easy-to-clean radiolucent shields made of Vivak®, a crystal clear, extremely strong, and radiolucent material. Slide the toboggan under the pad and the patient's weight holds it in place. Top is curved on Items 255-500 through 255-503. Item 255-504 does not curve.

Item	Toboggan Arm/Leg Guards	Size
255-500	Small, Pair	10" L x 6" H x 10.25" D (25.4 x 15.24 x 26.03 cm)
255-501	Medium, Single	15.75" L x 8" H x 10.25" D (40 x 20.32 x 26.03 cm)
255-502	Medium, Pair	15.75" L x 8" H x 10.25" D (40 x 20.32 x 26.03 cm)
255-503	Large, Pair	15.75" L x 10.5" H x 10.25" D (40 x 26.7 x 26.03 cm)
255-504	Extra Large, Pair	24" L x 9.5" H x 10.25" D (60.96 x 24.13 x 26.03 cm)

NON-MAGNETIC SANDBAGS

Item	Description	Quantity
259-025	Sandbag, 7"x12" (17.8 x 30.5 cm)	5 lb (2.3 kg)
259-030	Sandbag, 7"x20" (17.8 x 50.8 cm)	10 lb (4.5 kg)
259-035	Sandbag, 11"x15" (27.9 x 38.1 cm)	15 lb (6.8 kg)
259-040	Sandbag, 8.5"x22" (21.6 x 55.9 cm)	20 lb (9.1 kg)

GRIP RINGS™

253-115	**253-116**	**253-117**	**253-118**

from soil and body fluids. If the outer skin is cut or torn the inner cushion will not "sponge-up" liquids/fluids as some products that utilize conventional upholstery materials.

Grip Rings™ are blue in color, have a wall thickness is 1" (2.54 cm) and are virtually tear resistant.

The circular design of Grip Rings™ allows pressure to be evenly distributed, preventing harsh marks on the skin. The attractive and smooth outer skin becomes an integral part of the cushion through a high strength bond to the foam core. Only high tech, non-absorbing, closed cell cushing mediums are encapsulated to ensure the highest measure of quality. The outer skin of tough vinyl is smooth and easy to wipe clean with most anti-bacterial solutions, and free of surface textures that trap and hold bacteria

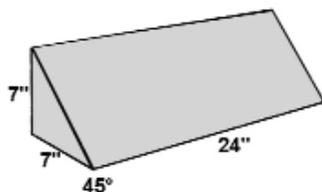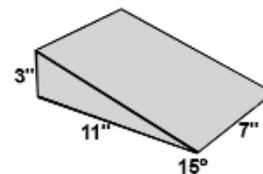| Item	Description
253-115	Grip Ring, 3" I.D.
253-116	Grip Ring, 4.25" I.D.
253-117	Grip Ring, 6" I.D.
253-118	Grip Ring, 10" I.D.
253-119	Grip Ring Set of 3, Includes 3", 4.25" and 6" I.D.
253-120	Grip Ring Set of 4, Includes 3", 4.25", 6" and 10" I.D.

FOAM POSITIONERS

These foam positioners are made of a high density polyurethane foam covered in a durable, blue Sure-Check Microvent material. The fabric is whisper soft and comfortably quiet. It provides silent protection for both patient and pillow. It also contains thousands of microscopic air vents providing the ultimate in patient comfort. The fabric is fluid resistant and contains a unique antimicrobial system to protect the pillow fabric

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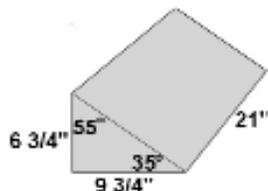
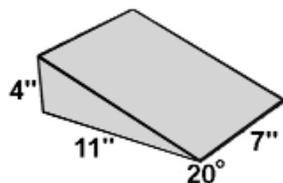| Item #	Description
258-100	Wedge 35/55° Angle

Item #	Description
258-102	Wedge 45° Angle

Item #	Description
258-104	Wedge 15° Angle

Item #	Description
258-106	Wedge 20° Angle
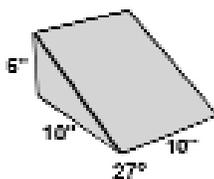
Item #	Description
258-108	Wedge 27° Angle
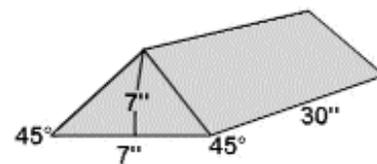
Item #	Description
258-110	Wedge 45° Angle
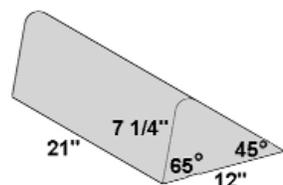
Item #	Description
258-112	Bolster 45/65° Angle
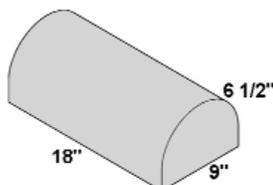
Item #	Description
258-114	Bolster
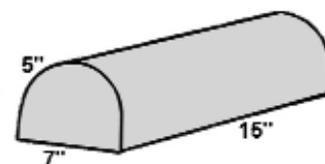
Item #	Description
258-116	Knee Bolster
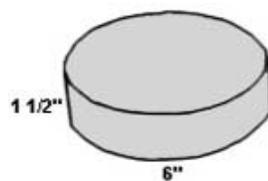
Item #	Description
258-118	Circle
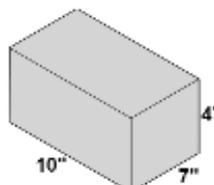
Item #	Description
258-122	Rectangle 10" x 7" x 2"
258-124	Rectangle 10" x 7" x 3"
258-126	Rectangle 10" x 7" x 4"
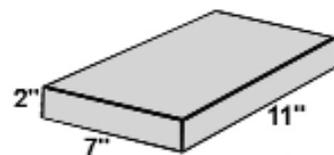
Item #	Description
258-120	Rectangle
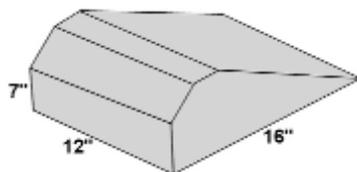
Item #	Description
258-128	Torso Block
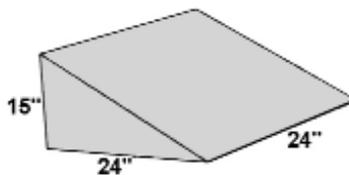
Item #	Description
258-130	Chest/Leg Elevator
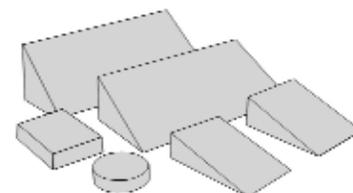
Item #	Description
258-135	Standard 6 Piece Set

Item 258-135- 6 piece set includes:

258-104 (15° Angle)	258-100 (35°/55° Angle)
258-106 (20° Angle)	285-102 (45° Angle)
258-118 (Circle)	258-120 (Rectangle)

COVERED FOAM WEDGE
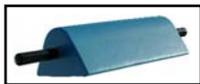
Cover: Blue, anti-skid coating
Size: 7 5/8" W x 17 3/4" L x 4 7/8" H (19.4 x 45.1 x 12.4 cm)

Item	Description
258-950	Blue Coated Foam Triangular Wedge
258-951	Blue Coated Foam Triangular Wedge w/Handle

LEG REST WITH KNEE CUT-OUTS

258-050

258-051

258-052

• Provides leg/knee support while maintaining hip flexion
• Relieves lower back stress and pain
• Stain-resistant coating is easily cleaned
• Knee cut-outs are 6" W x 2" D (15.24 x 5.08 cm) on all sides

Specifications

Color: White

Item #	Leg Rest with Knee Cut-Outs
258-050	Small, 18" W x 15" L x 5" H (45.7 x 38.1 x 12.7 cm)
258-051	Medium, 13" W x 17.5" L x 7" H (33.0 x 44.5 x 17.8 cm)
258-052	Large, 18" W x 24" L x 10" H (45.7 x 61.0 x 25.4 cm)

ABDUCE KNEE POSITIONER SET

The purpose of this product is to arrange patients in an abduction pelvic position with maximum comfort.

This blue, vinyl-coated, semi-firm sponge can be very useful for treatment of the pelvis, hip and vulva/scrotum areas.

Place the sponge(s) under the femur/knee area with the lower side of the sponge, a ten-degree slant, toward the patient's trunk. The knee(s) are seated into the sponge's concave area.

The patient's feet can be held together with the grip ring. The set includes two positioners and one 6" (15.24 cm) grip ring.

Item	Description
258-300	Abduce Knee Positioner Set

LEG IMMOBILIZER

Excellent to add comfort for patients treated in the prone position. Constructed of foam, covered with black vinyl.

Specifications

Size: 16" L x 14" W x 6" to 11" H (40.6 x 35.5 x 15.2 to 27.9 cm)

Item #	Description
258-345	Elevated Leg Immobilizer

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LEG STAND
For use in CT, MR, Radiation Therapy and Diagnostic Radiology

This leg Stand will support one leg in a cushioned cradle. The cradle swivels to allow for a comfortable postion. The cradle height can be adjusted in 1" increments. The telescoping cradle post has 7 holes at 1" spacing to accomodate the locking rod.

The 10" square aluminum base has the cradle post welded to it and also includes rubber pads to minimize movement.

Specifications

Cradle
Width: 5.1" (13 cm)
Length: 6.8" (17.5 cm)
Pad: 0.25" (0.635 cm) Blue Foam
Base: 0.25" (0.635 cm) White PVC

Base
Base size: 10" x 10" x 0.25" Thick (25.4 x 25.4 x 0.635 cm)
Cradle Post Height: 9" (22.86 cm)
Minimum Height from Couch Top: 7.1" (18.03 cm)
Maximum Heightfrom Couch Top: 16.6" (42.16 cm)
Base Material: Aluminum

Item	Description
250-100	Leg Stand

• **For use in CT, MR, Radiation Therapy and Diagnostic Radiology**

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UNIVERSAL CAST POSITIONER

The universal cast provides comfort and support to the patient when treatment requires the patient position to be supine with the arms above the head. Firm polyfoam integrated with Plexiglass® base provides firmness and stability for reproducible setups. Save time and valuable storage space by eliminating the need to make and store individual patient casts.

One size fits all patients except young children. Waterproof coating is washable with standard hospital disinfectant.

Developed for a group of prominent Boston radiation oncology centers.

Item	Description
258-310	Arms Up Universal Cast Positioner, Covered Foam

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ATTENUATE ARMS POSITIONER™
Includes One set of ComforCleers™ and Grip Ring

258-320

258-325

258-320 and 258-325

- **CT Compatible**
- **Washable Blue Vinyl Covering**

The Attenuate Arms Positioner is constructed of high density foam, soft, yet firm. A polyethylene base helps maintain rigidity and the handle on the base makes for ease in handling or hanging on wall. For head support use a Silverman head and neck Support.

Patients may be positioned with proper head support, arms extended above their head and placed onto the foam positioner. A slightly elevated angle allows the arms to rest, with an additional angle for the wrist area. Patients can hold onto the soft "Grip Ring" or just relax.

The Attenuate Arms Positioner includes the Positioner, one set of Head Supports and a 4 1/4" (10.8 cm) Grip Ring.

The Accessory Set is two blue vinyl coated foam positioners for under the upper arms. These provide additional support to the arms.

The Positioner and Accessory Set can also be used for supporting the lower legs when additional support is needed

Specifications
Size: 20" W x 9.5" H (50.8 x 24.13 cm)

Item #	Description
258-320	Attenuate Arms Positioner
258-325	Attenuate Arms Positioner Accessory Set

PRON PILLO®

The slight contour to the front of the Pron Pillo® gives comfort to the forehead. The open space for the eyes and nose puts less pressure near the eye area. The elevated base allows the patient to breath freely while being in a comfortable position. The slight taper allows for the natural contour of most face sizes. The Pron Pillo® supports the head and shoulders. The shoulder support design provides comfortable space for the patient's chest area.

The Pron Pillo® is radiolucent but not artifact free, therefore, it is not recommended for inclusion in films. It is totally waterproof, has an easy to clean smooth finish, and is now made of a softer foam.

Specifications
Size: 21" L x 18" W x 6" H (53.3 x 45.7 x 15.2 cm)
Weight: Less than 1 lb (0.45 kg)

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Item	Description
256-000	Pron Pillo®

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LUNG COMPRESSORS
Air Compression Belt with Pressure Gauge and Tape Measure

These items can be cleaned by hand using a cloth dampened with a mild detergent dissolved in water. DO NOT SOAK MATERIAL. For stubborn spots or stains, use a soft brush and the solution. Allow material to air dry fully before reuse.

Note: Over inflation of the air bladder can cause seaming of the cover to rip, to prevent this from occuring re-tighten the belt.

These items can be cleaned by hand using a cloth dampened with a mild detergent dissolved in water. DO NOT SOAK MATERIAL. For stubborn spots or stains, use a soft brush and the solution. Allow material to air dry fully before reuse.

The Lung Compressor is designed to put pressure just below the lungs to limit lung movement with respirations.

The Lung Compressor includes the Air Compression Belt that has an attached measuring tape with both centimeters and inches markings and the pressure gauge. The air bladder with a cotton cover is Velcro attached to a 60" (152.4 cm) long Velcro belt which is wrapped snugly around the patient just below the sternal notch. Once the belt and air bladder are in position on the patient, the air bladder is manually inflated with a hand pump. The included pressure gauge is used to record the amount of pressure used to achieve the desired limits of lung movement. This allows for reproducibility of the same amount of pressure for each treatment fraction.

Specifications
Item 260-301
Material: Velcro Hook and Loop, Cotton, Rubber
Bladder Size: 9" W x 5" H (22.9 x 12.7 cm)
Size: 4" W x 60" L (10.16 x 152.4 cm)

Item 260-302
Material: Velcro Hook and Loop, Blue Nylon, Rubber
Bladder Size: 12.25" W x 5.5" H (31.12 x 12.7 cm)
Size: 6" W x 60" L (15.24 x 152.4 cm)

Item	Description
260-301	Lung Compressor, Air Compression 4" Belt w/Gauge, Small
260-302	Lung Compressor, Air Compression 6" Belt w/Gauge, Large

BREATH HOLD ES™
Proactively Manage Respiratory Motion

D

Bellows Belt
The bellows belt contracts and expands
on the abdomen with patient breathing.

Base Unit with Remote Displays
The Base Unit connects to the bellows belt to measure
air pressure and enable LED light display. The base unit
also serves as a charger for the three Remote Displays.

The Wireless LED Display visulaizes the air pressure as a
series of lights to guide the patient through pre-selected
breath-holds or reproducible shallow breathing.

Clamp/Gooseneck
The Gooseneck holds the remote display, providing a
flexible positioning for easy patient viewing. Various
mounting options accomodate all table designs.

Measurement Tool
The Measurement Tool quantifies expansion of the
bellows belt to enalble reproduction of settings from
SIM to treatment and between treatmen days

Wireless Repeater Kit

POSITIONING & IMMOBILIZATION PRODUCTS

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Effective and Convenient Respiratory Motion Control for Radiation Therapy Procedures

The Breath Hold ES. is a motion management/ biofeedback device helping patients breathe in a consistent manner or breath hold at a particular point time. It allow for these breathing patterns or breath holds to be reproducible in a variety of procedures.

Highly effective, easy and convenient, Breath Hold ES™ delivers new precision for radiation therapy procedures involving the lungs and upper abdomen, where respiratory motion is an ongoing problem. Breath Hold ES™ combines an expandable bellows system, pressure-sensitive transducer tube that wraps around the patient's chest, and an LED display. During both planning and treatment, the device visualizes the respiratory cycle as a pattern of lights. This feedback effectively guides the patient towards a consistent pre-selected breath-hold position or a reproducible, shallow respiratory pattern.

The Breath Hold ES. can be used in the following applications
- Radiation Therapy
- Left Breast Treatment (spare the heart)
- Imaging during Radiation Therapy Planning using CT or MR (Managing Motion during Imaging)
- Interventional Radiolog (Biopsy of the lung)
- MRI Cardiac Imaging
- Lithotripsy (Treatment of kidney stones with sound waves)

Make Respiratory Motion Control a Reality for Your Radiation Therapy Program Today
- Supports consistent breathing for imaging for therapy planning.
- Supports consistent breath-holds for RT delivery.
- Accelerates treatment time compared to gating.
- Greater comfort than compression devices.
- Easy patient set-up.

Medspira Breath Hold ES™ has been successfully used in radiation therapy (RT) programs nationwide for procedures involving the chest and upper abdomen. Breath Hold ES™ helps patients achieve the reproducible breath-hold points and the consistent shallow breathing that can potentially enable greater precision in targeting treatment areas as well as enhanced imaging for therapy planning.

Integrate Respiratory Control into Your Program Today
If your facility relies on free breathing for challenging RT procedures, Medspira Breath Hold ES™ provides an important new option, making it easier than ever before to integrate respiratory control into your RT program. The device is simple to use and affordable - many patients report feeling empowered through their active involvement in breathing control and the therapy process. Lightweight and portable, Breath Hold ES™ can be shared among therapy suites. Technologists learn to use the device in a matter of minutes.

Benefits Over Gating and Compression
If your facility currently uses gating technologies to compensate for breathing motion, Breath Hold ES™ may significantly accelerate procedure time - benefitting both workflow and patient care - while supporting a highly consistent and predictable breathing pattern for most patients. Additionally, compared to respiratory compression devices, Breath Hold ES™ provides a high degree of patient comfort and reliability.

Enhanced Precision for Left Side Breast Cancer Therapy
Numerous studies have shown that during radiation therapy for left side breast cancer, reproducible breath-hold techniques support consistent positioning of the tumor to minimize radiation dose to the heart. With Breath Hold ES™ , every radiation therapy site can help provide these patients with the carefully targeted treatment they need.

Innovative Biofeedback-Based Control
For radiation therapy involving the chest and upper abdomen, including the lungs and left breast.
- Restricts tumor mobility and potentially minimizes treatment margins through consistent breath-holds or controlled shallow breathing.
- Relies on biofeedback for proactive patient breathing control
- Greater patient comfort than other motion control technologies
- Portable, standalone system, with easy patient set-up
- Compatible with any LINAC and CT system
- Simple and intuitive operation
- Developed by physicians at the Mayo Clinic
- Affordable pricing

Keeping Technicians Informed in Real Time
A remote Breath Hold ES™ display that operates through protective bunkers enables technicians in the control room to follow the patient's breathing motion in real time.

The system includes
1 - Base Unit / Docking Station	1 - Clamp/Gooseneck
3 - Remote Displays	1 - Wireless Extender Kit
1 - Power Supply	1 - Radiation Therapy Quick
1 - Measurement Tool	Reference Guide
2 - Bellows Belt with Measuring	1 - General Demonstration Video
Tape and Bellows Pads	

Warnings
- This product contains natural rubber latex in the bellows belt which may cause an allergic reaction.
- This system is not suitable for use in the presence of flammable anesthetics in combination with air, oxygen, or nitrous oxide.
- This equipment is not protected against ingress of water.

Specifications
Power Requirements
  Remote Unit: Battery 2 cell 7.4V, 2.4A
  Base Unit: Battery 6 cell 12.0V, 5A
  Charger Input: 100-240V, 2A, 50/60Hz
  Charger Output: 12V, 5A
Operating Temperature Range
  0 to 3,000 ft (914 m):
  50° - 95°F(10° - 35°C): 101kPa to 91 kPa
  3,000 to 7,000 ft (2,134 m):
  50° - 89.6°F (10° - 32°C): 91kPa to 78 kPa
  Operating and Non-Operating Humidity Range:
  10% to 80% RH, non-condensing
  Shipping/Storage/Non-Operating Temperature Range:
  32° - 122°F (0° - 50°C)
  Shipping/Storage Humidity Range:
  10% to 90% RH, non-condensing

Item	Description
261-000	Breath Hold ES™ System
261-003	Disposable Belt Strap

CHILD CHIN SUPPORT
with Angle Indicator

- **Can be used in CT scans**
- **Useful for head stability when treating in a prone position**
- **Does not interfere with lateral brain and spinal fields**
- **Adjustable with angle indicator**
- **Comfortable for the patient**
- **Made of rigid plastic and aluminum**
- **Easily cleaned**

Item	Description
257-201	Child Chin Support

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POSITIONING & IMMOBILIZATION PRODUCTS

TIMO FOAM HEAD-NECK SUPPORTS

Specifications

Material: Coated urethane foam

Item	Timo Head/Neck Support	Size in mm
248-000	Set, A thru F	
248-001	A, Red	125 W x 200 L
248-002	B, Green	120 W x 225 L
248-003	C, Blue	120 W x 235 L
248-004	D, Brown	125 W x 235 L
248-005	E, Yellow	125 W x 225 L
248-006	F, Gray	125 W x 235 L

SILVERMAN HEAD-NECK SUPPORTS
Standard Trim - No Peg Holes
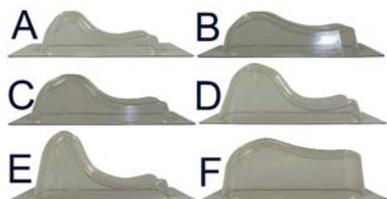
Specifications

Material: Clear PETG
Flange: Rectangle
Size: 7" x 11.2" L (180 x 285 mm)

Item #	Silverman Head/Neck Supports
249-030	Set, A thru F
249-031	A
249-032	B
249-033	C
249-034	D
249-035	E
249-036	F

SILVERMAN HEAD-NECK SUPPORTS
With Rounded End and Peg Holes
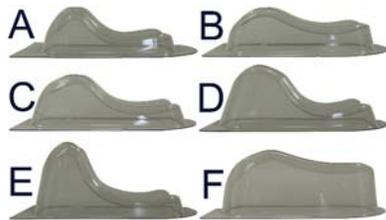
Specifications

Material: Clear PETG
Flange: Rounded End
Will fit Qfix/WFR boards
Does NOT Fit Bionix or CIVCO boards

Item #	Silverman Head/Neck Supports with Peg Holes
249-050	Set, A thru F
249-051	A
249-052	B
249-053	C
249-054	D
249-055	E
249-056	F

SILVERMAN HEAD-NECK SUPPORTS
With Peg Holes for Bionix Devices
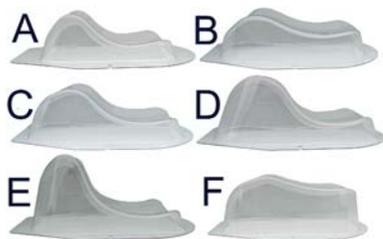
Specifications

Material: Clear PETG

Item #	Silverman Head/Neck Supports (Bionix)
249-020	Set, A thru F
249-021	A
249-022	B
249-023	C
249-024	D
249-025	E
249-026	F

MOLDCARE® CUSHIONS

262-174	262-1753	262-175	262-176	262-177	262-178	262-179	262-180

The MOLDCARE® cushions are customized head supports composed of a soft fabric bag containing expanded polystyrene beads coated in a moisture-cured resin. When activated with water, the pillow becomes rigid, conforming to the contours of the patient's head and neck. It can be used alone or on a Silverman Head Support to create the most comfortable and repeatable head support available.

Since MOLDCARE® has a low specific gravity (0.01) with a CT value less than -800, the device can be used in treatment with a CT simulator.

MOLDCARE® cushions are also MR compatible.

Easy to use
1. Remove MOLDCARE® Cushion from package.
2. Fill spray bottle with room temperature or lukewarm water (up to 40°C/105°F).
3. Push spray bottle nozzle slightly against the cushion and spray a shot of water into the cushion. Repeat about12 times approximately every 10 cm to ensure uniform dampening.
4. Place MOLDCARE® Head Cushion over head support.
5. Place patient's head on cushion, ensuring frame clears cushion, and form as desired.
6. Wait 5 to 10 minutes until pillow sets (once patient exits cushion, cushion continues the hardening process for another 10 minutes.

Item	MOLDCARE®	Size
262-174	Small Head Cushion	15 x 20 cm
262-175	Head Cushion	20 x 25 cm
262-1753	U Head Cushion	20 x 35 cm
262-176	Trapezoid Head & Shoulder Cushion	58 x 65 cm

Item	MOLDCARE®	Size
262-177	Medium Cushion	20 x 45 cm
262-178	Large Cushion	40 x 60 cm
262-179	X-Large Cushion	60 x 60 cm
262-180	Spray Bottle for Moldcare Cushions	

ACCUCUSHION™ MOLDABLE HEAD AND NECK SUPPORTS

The Moldable AccuCushions™ provide a secure custom head support for each patient. Simply heat the cushion in your waterbath or a Klarity Oven. Gently form it under your patient's head and neck. It will be a warm, calming pillow that cools to provide secure yet comfortable positioning for highly accurate treatment and reproducibility. Moldable AccuCushions™ are designed for use with Silverman head supports or alone as a support pillow, with or without a thermoplastic mask. Moldable AccuCushions™ can be reheated and reformed as often as needed.

- **Simply heat in waterbath or oven at 165°F (74°C)**
- **Comfortable and extremely secure**
- **Once heated, cushion forms easily and quickly**
- **Can be reheated and reshaped**
- **No odor**

A superior method for head immobilization with unique warm and form technology.

For single patient use.

*Patent Pending

Item	AccuCushion™	Size
262-550	Small Cushion	15x20 cm
262-552	Medium Cushion	20x25 cm
262-554	Large Cushions	20x45 cm

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DISPOSABLE PLASTIC HEAD HOLDERS

Item #	Description	Diameter	Quantity
246-000	Plastic Head Holders	7.25" (18.4 cm)	50
244-000	Plastic Head Holders	6" (15.2 cm)	50

D

TENSION BOARD
Arm to Foot Adjustable

A 'D' style handle is connected to a spring and then to an adjustable leather strap. For easy adjustment, the leather strap has holes every inch and is numbered every fifth hole. The leather strap simply slips over a pin on each side of the foot board.

Item#	Description
253-100	Arm to Foot Tension Board

BITE BLOCK SYSTEM

A fast set-up can be accomplished by using the Nasal or Bridge Trays. Rest the patient's head in the correct head-neck support, adjust the head, lower the nasal or bridge tray and lock to the desired position.

Specifications

Size: 17" vertical post welded to a 10" x 13" base plate
Aluminum Base Plate has an Anti-Skid Rubber Base
Three Lock System: Vertical, horizontal and tray angle
Scales: 15cm Vertical, 15cm horizontal and 180° tray angle

Bite Block System Includes

(1) Adjustable Base Plate
(6) Head-Neck Supports with plastic bottoms
(5) Adult Bite Tray
(1) Child Bite Tray
(1) Nasal Tray
(1) Bridge Tray
(1) Tongue Tray
(1) Chin Tray
(1) 20 cm white plastic rule
(1) Cork Screw Tray w/four sample corks (one of each size)

The Bite Block System is a stand alone patient head immobilizer system that needs no fixing to a treatment table and can be moved from room to room. The aluminum base plate has protruding pins which fit into the holes of the attached plastic bottom of six different size head-neck supports, thus, locating it in a fixed position every time it is used. In some treatment set-ups it may be necessary to angle the head to the right or left. For these treatments, place the horizontal adjustable base plate on the base plate and lock in position with two thumb screws. The head-neck supports also fit onto protruding pins located on the horizontal adjustable base plate or the pediatric adjustable base plate.

A three lock system allows for easy adjustment and reproducibility. Vertical and horizontal adjustment is accomplished using 15 cm scales and two locking knobs. The bite block tray angle is adjustable using a 180° scale and is locked with a knob.

An easy to remove individualized bite tray uses dental impression material. The impression procedure takes ten minutes using Caulk Reprosil® Impression Material (Item 266-100), which must be ordered separately.

Item	Description
260-000	Bite Block System

Item	Accessories
260-008	Pediatric Adj Base Plate for Bite Block
260-010	Adult Bite Tray
260-011	Child Bite Tray
260-012	Nasal Tray
260-014	Bridge Tray
260-018	Tongue Tray
260-020	Chin Tray
260-022	Cork Screw Tray

CAULK REPROSIL® IMPRESSION MATERIAL
For Use with Bite Trays

Caulk Reprosil® Impression Material provides excellent dimensional accuracy and stability. This material is applied to the bite tray and a dental impression is made. One package will make 20 - 25 impressions. Note: Does not include mixing pad or caulk tray adhesive. Tray adhesive not recommended for bite trays that will be reused.

Item #	Description
266-100	Caulk Reprosil® Impression Material

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CORKS

Sold 10 per package.

Item #	Top Diameter	Bottom Diameter	Length
274-812	2.8 cm	2.25 cm	3.0 cm

BITE WEDGE

- Hygienic wrapping tears off easily for immediate access
- Sanitary, high-density polyethylene pad provides a firm protective cushion
- Pad is bonded to a tough but flexible double strength hardwood, assuring durability
- Wedges can be notched for the teeth (see picture above)

Item	Description	Quantity
274-100	Bite Wedge	12
274-100-1	Bite Wedge	144

T-FORM™ HEAD AND NECK IMMOBILIZER

Shown with Thermoplastic Mask

The T-Form Head and Neck Immobilizer is made out of a composite material that is radiolucent, light-weight and durable. The T-Form Head & Neck Immobilizer fits most U-Frame thermoplastic masks and interfaces with various attachments to provide positioning options.

Compatible with these Bionix Devices
- Carbon Fiber 45° Tilt Attachment
- Prone Attachment
- Lateral Attachment
- Head only Embrace U-Frames
- Silverman, Moldcare® and VersaCushion™ Head Cushions

Item#	Description
262-145	T-Form Head and Neck Immobilizer

Item#	Description
262-135	45° Tilt Attachment, Carbon Fiber
262-132	132 Prone Attachment, Acrylic
262-136	Prone Attachment, Carbon Fiber
262-131	Lateral Attachment, Acrylic
262-175	MOLDCARE® Head Cushion
244-426	VersaCushion, 32x15x9 cm, 2 L Fill

- **MRI Compatible Radiolucent Material**
- **Cost Effective Alternative to Carbon Fiber**
- **Lighter Weight than Carbon Fiber**
- **Net Weight 1 lb (0.5 kg)**
- **Carbon Fiber-like attenuation**
- **Capable of supine, prone or lateral treatment positions**
- **Fits Most Reusable U-Frame Thermoplastic Masks**
- **Locks Down to Most Treatment Couches with SecureFit Bar, Items 262-190 to 262-199**

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SUPRONE PLUS™ IMMOBILIZER
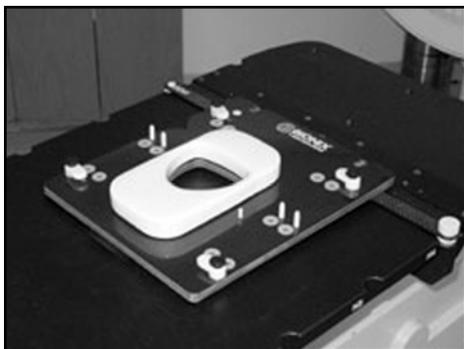
- **Fits most disposable or reusable U-Frame Thermosplastic Masks**
- **Locks down to most couches**
- **May be used for flat positioning**
- **Includes comfort cushion for patient in prone position**
- **Multiple Attachments allow interface with VersaBoard**

SuProne Plus™ Immobilizer provides rigid patient positioning to maximize reproducibility. This immobilizer can be used independently or it can be attached to accessories in order to offer prone, supine, lateral and flat positioning with maximum patient comfort.

$C\epsilon$

Item#	Description
262-130	SuProne Plus™ Immobilizer, Acrylic

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LATERAL ATTACHMENT

- **Attaches to VersaBoard™, SuProne Plus™ or T-Form Head and Neck Immbolizer**
- **Three standard positioning heights included (2 cm, 5cm and 7cm)**
- **Can be used prone**
- **Locks down to most couches**

$C\epsilon$

Item#	Description
262-131	Lateral Attachment, Acrylic

PRONE ATTACHMENT

- **Attaches to VersaBoard™, SuProne Plus™ or T-Form Head and Neck Immbolizer**
- **May be positioned ± 20°**
- **Includes comfort cushion for patient**
- **Easy to locate and read degree location**
- **Stable base for maximum reproducibility**
- **Locks down to most couches**

$C\epsilon$

Item#	Description
262-132	Prone Attachment, Acrylic
262-136	Prone Attachment, Carbon Fiber

45° TILT ATTACHMENT

- **Attaches to VersaBoard™, SuProne Plus™ or T-Form Head and Neck Immbolizer**
- **May be positioned 5° to 45°**
- **Easy to locate and read degree location**
- **Stable base for maximum reproducibility**
- **Locks down to most couches**

$C\epsilon$

Item#	Description
262-135	45° Tilt Attachment, Carbon Fiber

ACCESSORY ATTACHMENT ADAPTOR

- **Allows attachment of the 45° Tilt and Prone Attachments to the SuProne Plus™ Immobilizer or VersaBoard™**

Item#	Description
269-521	Accessory Attachment Adaptor

POSITIONING & IMMOBILIZATION PRODUCTS

VERSABOARD™ AND ACCESSORIES
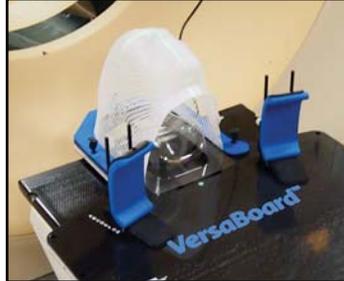
269-500 Shown with 269-519

- Made of Carbon Fiber
- Allows for 360° treatment angles
- 24" (61 cm) at the widest point
- Includes rubber transition pad and for increased patient comfort
- Easily accomodates Head Only and Head and Shoulder Thermoplastic Masks
- Ruled edges for alignment
- Accomodates Silverman headsupports, MOLDCARE® head cushions and SecureVac™ VersaCushion

- **Locks down to most couches using SecureFit™ Lockdown Bars (Items 262-190 to 262-199)**

The VersaBoard™ was designed specifically to better stabilize head, neck and brain patients during IMRT treatments. The carbon fiber VersaBoard™ offers a variety of thermoplastic and accessory options. The VersaBoard™ also provides the option to cantilever off the end of the couch to allow for a 360° treatment angle.

Item 269-519 The Premium Shoulder Suppression System
is made of carbon fiber and can be adjusted in 3 directions (side to side, top to bottom and up or down) for optimum positioning.

Item 269-521 Accessory Attachment Adaptor
is required when adding accessories to the VersaBoard

Size of VersaBoard: 24" W x 41.5" L x 1" H (61 x 105.4 x 2.54 cm) without Premium Shoulder Suppression System.

| Item#	Description
269-500	VersaBoard™
269-519	VersaBoard™ Premium Shoulder Suppression System

ACCESSORY ATTACHMENT ADAPTOR

- Allows attachment of the 45° Tilt and Prone Attachments to the SuProne Plus™ Immbolizer or VersaBoard™
- Accessory Attachment is required when adding accessories to the VersaBoard

Item#	Description
269-521	Accessory Attachment Adaptor

LATERAL ATTACHMENT

- Attaches to VersaBoard™, SuProne Plus™ or T-Form Head and Neck Immbolizer
- Three standard positioning heights included (2 cm, 5cm and 7cm)
- Can be used prone
- Locks down to most couches

CE

Item#	Description
262-131	Lateral Attachment, Acrylic

45° TILT ATTACHMENT

- Attaches to VersaBoard™, SuProne Plus™ or T-Form Head and Neck Immbolizer
- May be positioned 5° to 45°
- Easy to locate and read degree location
- Stable base for maximum reproducibility
- Locks down to most couches

CE

Item#	Description
262-135	45° Tilt Attachment, Carbon Fiber

PRONE ATTACHMENT

- Attaches to VersaBoard™, SuProne Plus™ or T-Form Head and Neck Immbolizer
- May be positioned ± 20°
- Includes comfort cushion for patient
- Easy to locate and read degree location
- Stable base for maximum reproducibility
- Locks down to most couches

CE

Item#	Description
262-132	Prone Attachment, Acrylic
262-136	Prone Attachment, Carbon Fiber

POSITIONING & IMMOBILIZATION PRODUCTS

VERSABOARD™ ACCESSORIES

262-175

262-176

244-402

The Head and Shoulder SecureVac Cushion is a reusable customizable device ideal for indexing the shoulders during IMRT head & neck treatments.

244-426

The VersaCushion is a brick shaped customizable reusable head support. Made from a durable vinyl material, it is designed to withstand the rigorous 8 week treatment cycle while keeping the shape of the patient's head and neck.

269-522

The SecureVac/MoldCare Adapter securely indexes customized head supports to eliminate shifting during treatment. This adapter will work on any product with Silverman pegs.

Item #	MOLDCARE®
262-175	Head Cushion
262-176	Head and Shoulder Cushion

Item #	SecureVac™
244-402	Head and Shoulder, 65x67cm, 10L Fill
244-426	VersaCushion, 32x15x9 cm, 2 L Fill
269-522	SecureVac/MoldCare Locator Device

SECUREFIT BARS

262-190

262-191

262-193

262-195

262-196

Item #	SecureFit™ Lockdown Bar	Material
262-190	Varian EXACT Couch	Aluminum
262-191	Slider Attachment	Aluminum
262-192	Siemens Couch	Aluminum
262-193	Varian EXACT, Sliding Bar II	Aluminum
262-195	Varian EXACT	Carbon Fiber
262-196	Elekta Couch	Aluminum
262-197	Phillips Couch	Aluminum
262-198	GE Couch	Aluminum
262-199	Nucletron Couch	Aluminum

THERMOPLASTIC MASKS FOR VERSABOARD™

EMRT-8350

EMRT-8335

EMRT-8345

EMRT-8330

| Item #	Embrace™ Disposable Versaboard™ Masks	Thickness
EMRT-8350	Head and Shoulder VersaFrame	2.4 mm
EMRT-8335	Head Only VersaFrame	2.4 mm
EMRT-8355	Head and Shoulder VersaFrame	3.2 mm
EMRT-8340	Head Only VersaFrame	3.2 mm
EMRT-8345	Head and Shoulder VersaFrame SecureFrame	2.4 mm
EMRT-8330	Head Only VersaFrame SecureFrame	2.4 mm

Used with Bionix VersaBoard for Head and Neck IMRT

BIONIX® BUTTERFLY BOARDS

269-437
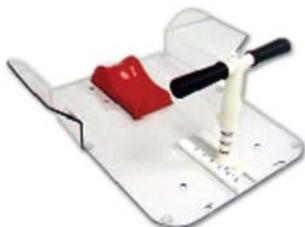
269-438

269-439

269-441

269-442

The Standard Butterfly Boards have two Delrin handgrips. The Extended and Narrow Extended Butterfly Boards feature an adjustable T-Bar handgrip. The T-bar offers both vertical and horizontal adjustments for precise patient positioning and maximum comfort.

The Bionix® Butterfly Boards may be used with any vacuum cushion or SecureFoam™. They easily attach to any Bionix® Breast Board and accommodate Silverman and MOLDCARE© head cushions. The Butterfly Boards can be used independently and lock down to most couch tops.

The polycarbonate Butterfly boards are MR compatible.

Specifications

Item 269-437 and 269-441 Standard Butterfly Board
Height: 6.25" (15.9 cm) Wings, 9.25" (23.5 cm) Arm Post
Overall Width: 23.875" (60.6 cm)
Length: 14.5" (36.8 cm)
Weight: 4.25 lb (2 kg)

Item 269-438 and 269-442 Extended Butterfly Board
Height: 6.25" (15.9 cm) Wings
Width Inside Wing: 14" (35.6 cm)
Overall Width: 24" (61 cm)
Length: 24.5" (62.2 cm)
Weight: 12 lb (5.5 kg)

Item 269-439 Narrow Extended Butterfly Armboard
Height: 6.25" (15.9 cm) Wings
Width Inside Wing: 14" (35.6 cm)
Overall Width: 19.5" (49.5 cm)
Length: 23.5" (59.7 cm)
Weight: 9 lb (4.1 kg)

The Bionix® Butterfly Boards are lightweight and durable devices that comfortably support a patient's arms during treatment procedures of the breast, lung and thorax. Designed to fit into a CT scanner, the Butterfly Boards can also be used for diagnostic purposes.

Item 269-439 Narrow Extended Butterfly Armboard measures 19.5" (49.5 cm) from wing to wing making this board more compatible with small bore CT scanners.

Item #	Butterfly Board
269-437	Standard with 2 Hand Posts, Polycarbonate
269-438	Extended with T-Bar Handle, Polycarbonate
269-439	Narrow Extended with T-Bar Handle, Polycarbonate
269-441	Standard with 2 Hand Posts, Carbon Fiber
269-442	Extended with T-Bar Handle, Carbon Fiber

D

MAX3™ PLUS BREAST BOARD AND ACCESSORIES

D
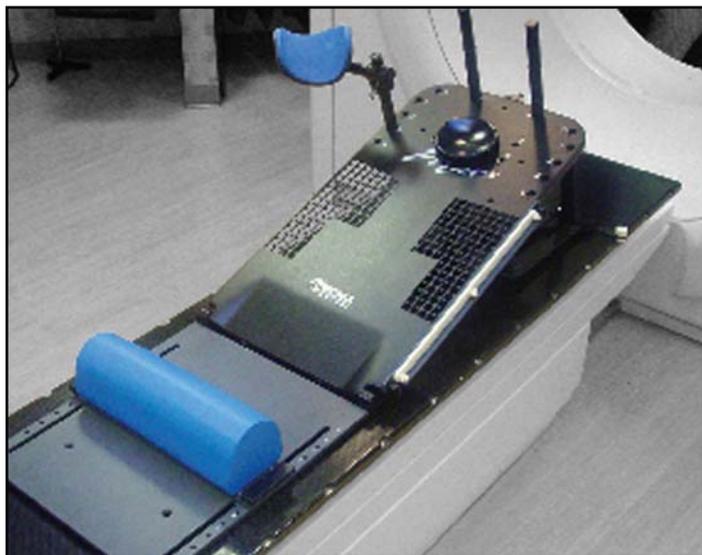
Shown with optional Arm Support, Item 269-428-1

- **Four integrated elevation carbon fiber wedges at 7°, 12°, 17°, and 23°**
- **Indexing Backstop Cushion to prevent patients from involuntarily sliding downward**
- **Able to accommodate patients up to 350 lb (158.8 kg)**
- **Compatible with Embrace Head Only VersaFrames**
- **Compatible with Silverman head supports**
- **Locks down onto most treatment couches**
- **Accommodates Butterfly Board, Arm Supports and SecureVac™ Bags**
- **Accomodates Thermoplastic sheets**
- **Large grid panels for increased treatment angles**

The Max3 Plus Breast Board is made out of carbon fiber and is specifically designed to treat breast and lung patients. The system features large grid panels and an integrated carbon fiber wedge system. The system also accommodates a large variety of accessories to secure patients during treatment.

Item 269-426 Max3™ Plus Breast Board includes

- (1) Max3™ Plus Breast Board
- (1) Head Cup
- (2) Hand Posts
- (1) Indexing Backstop Cushion

Item	Description
269-426	Max3™ Plus Breast Board

Clocking Plate Arm Support

- **Low profile design is ideal for smaller bore CT's**
- **Provides 3 axes of adjustment with multiple indexing points**
- **A simple design makes adjustment quick and easy**

The Clocking Plate Arm Support rotates the arm right and left and also moves up and down. This system will allow you to easily move the arm into the desired position.

Item #	Description
269-427-1	Clocking Plate Arm Support, Right
269-427-2	Clocking Plate Arm Support, Left

SecureFit Arm Support

- **Offers 5 indexing points on the vertical post, 4 on the horizontal, and 4 to rotate the arm support**
- **Provides a secure support for the patient's arms during treatment**
- **Thick arm pad provides extra patient comfort during immobilization**

The calibrated arm supports are great additions to any of the Bionix breast boards. The arm supports provide flexibility, support and comfort improving patient positioning and reproducibility.

Item #	Description
269-428-1	SecureFit Arm Support, Right or Left

MAX3™ PLUS BREAST BOARD ACCESSORIES

269-441

269-442

Item #	Butterfly Board
269-437	Standard with 2 Hand Posts, Polycarbonate
269-438	Extended with T-Bar Handle, Polycarbonate
269-439	Narrow Extended with T-Bar Handle, Polycarbonate
269-441	Standard with 2 Hand Posts, Carbon Fiber
269-442	Extended with T-Bar Handle, Carbon Fiber

**All Butterfly Boards include adapter posts to
allow for breast board compatibility.**

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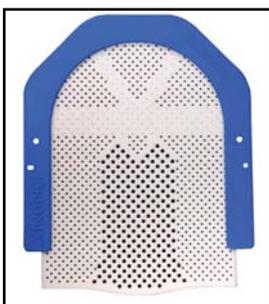
EMRT-8335

Item #	Embrace™ Thermoplastic Masks	Thickness
EMRT-8335	Head Only VersaFrame	2.4 mm
EMRT-8340	Head Only VersaFrame	3.2 mm

Item #	Embrace™ Thermoplastic Sheets	Size	Thickness
EMRT-8400	Perforated, Punched on 18" Side	18" x 24"	2.4 mm
EMRT-8405	Solid, Punched on 18" Side	18" x 24"	2.4 mm
EMRT-8410	Perforated, Punched on 18" Side	18" x 24"	3.2 mm
EMRT-8415	Solid, Punched on 18" Side	18" x 24"	3.2 mm
EMRT-8420	Perforated	12" x 12"	2.4 mm
EMRT-8425	Perforated	12" x 12"	3.2 mm

Item #	SecureVac™	Size	Liter Fill
244-410	Cushion	100 x 70 cm	35

Other Sizes Available

262-190

262-191

262-193

262-195

262-196

SecureFit Bars are also available in order to securely attach the Max3™ Plus Breast Board to your treatment table.

Item #	SecureFit™ Lockdown Bar	Material
262-190	Varian EXACT Couch	Aluminum
262-191	Slider Attachment	Aluminum
262-192	Siemens Couch	Aluminum
262-193	Varian EXACT, Sliding Bar II	Aluminum
262-195	Varian EXACT	Carbon Fiber
262-196	Elekta Couch	Aluminum
262-197	Phillips Couch	Aluminum
262-198	GE Couch	Aluminum
262-199	Nucletron Couch	Aluminum

PRONE BREAST SYSTEM - BASELESS

269-601 Shown with Optional Large Breast Bridge, 269-602

FEATURES
Ease of Use
- Lightweight therapist-friendly device
- Locks down onto most treatment couches

Dose Delivery
- Clinically ehanced design provides an unobstructed lateral field; the only thing between you and your target is the table
- Proprietary multi-layered variable density foam pad set makes setup accurate and reproducible, while keeping patients comfortable

Comfort
- Dual foam, massage-style face cushion aides in patient comfort
- 15 degree contralateral wedge, to assist with patient tilt
- Standard System includes one small opening breast bridge
- Optional large opening breast bridge is available
- **Made in the USA**

This Prone Breast System Includes
- Prone Breast Pad Set
- Face cushion
- 15 Degree Contralateral Wedge
- Handles
- Small Opening Breast Bridge

SecureFit Bars are also available in or order to securely attach the Prone Breast System to your treatment couch.

NOTE: This can also be ordered with the large opening breast bridge instead of the small opening. Contact RPDinc for this option.

Created with a focus on ensuring patient comfort, re-positional accuracy and simplicity in use, The Bionix Prone Breast System reduces irradiation to the chest wall, healthy cardiac tissue and lungs. As the new generation of patient positioning, the system allows for even weight distribution and the accommodation of a diverse variety of patient sizes onto the system.

Item #	Description
269-601	Prone Breast System-Baseless, Small Opening Breast Bridge
269-602	Additional Large Opening Breast Bridge
269-461	Disposable Face Covers, 50/pkg

SECUREFIT BARS

262-190

262-191

262-193

262-195

262-196

Item #	SecureFit™ Lockdown Bar	Material
262-190	Varian EXACT Couch	Aluminum
262-191	Slider Attachment	Aluminum
262-192	Siemens Couch	Aluminum
262-193	Varian EXACT, Sliding Bar II	Aluminum
262-195	Varian EXACT	Carbon Fiber
262-196	Elekta Couch	Aluminum

PRONE LOW PROFILE BREAST SYSTEM

269-630

Dose Delivery
- Proprietary multi-layered variable density foam pad set makes setup accurate and reproducible, while keeping patients comfortable

Comfort
- Includes a supportive ankle bolster, to help keep the patient level and comfortable
- Dual foam, massage-style face cushion aides in patient comfort
- 15 degree contralateral wedge, to assist with patient tilt
- System includes one large or small opening breast bridge based on facility needs

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Built-in Antimicrobial Protection - Antimicrobial exhibits long lasting efficacy against a broad spectrum of microorganisms which is effective against cross-contamination during storage and after patient interaction.

SecureFit Bars are also available in or order to securely attach the Multi-treatment base to your treatment couch.

Neither of the Prone Breast Systems will accomodate the use of thermoplastics.

This Prone Breast System Includes
- Multi-treatment Base
- Prone Breast Pad Set
- Face cushion
- 15 Degree Contralateral Wedge
- Handles
- Large or Small Opening Breast Bridge- Customer must specify the Breast Bridge size when ordering. The Large opening is the standard if not specified.

Created with a focus on ensuring patient comfort, re-positional accuracy and simplicity in use, the Bionix Prone Breast System reduces irradiation to the chest wall, healthy cardiac tissue and lungs. As the new generation of patient positioning, the system allows for even weight distribution and the accommodation of a diverse variety of patient sizes onto the system.

FEATURES
Simplicity In Use
- Lightweight radiolucent T-form multi-treatment base, compatible with the Pelvis Belly Plus System, makes owning both more economically feasible
- As an easily stored and lightweight therapist-friendly device, the system also locks down onto most treatment couches

Item #	Description
269-605	Low Profile Prone Breast System, 15 cm
269-461	Disposable Face Covers, 50/pkg
269-630	Pelvis Belly Pad Set
269-608	Prone Breast Bridge - Large Opening
269-610	Prone Breast Bridge - Small Opening

SECUREFIT BARS

262-190

262-191

262-193

262-195

262-196

Item #	SecureFit™ Lockdown Bar	Material
262-190	Varian EXACT Couch	Aluminum
262-191	Slider Attachment	Aluminum
262-192	Siemens Couch	Aluminum
262-193	Varian EXACT, Sliding Bar II	Aluminum
262-195	Varian EXACT	Carbon Fiber
262-196	Elekta Couch	Aluminum

ALDERSON BREAST DOSIMETRY SYSTEM
A Treatment Brassiere to Improve Breast Radiation Therapy
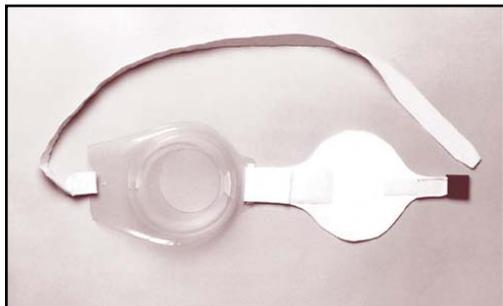
Complete Brassiere Assembly

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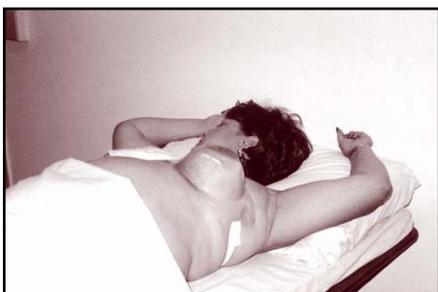
• **Reshapes the ipsilateral breast more favorably for radiation treatments.**
• **Eliminates inframammary folds**
• **Reduces dose to the lungs, heart and ribs**
• **Both shape and position are accurately repeatable, treatment after treatment**
• **More uniform dose**
• **Reshapes the contralateral breast to move it away from the beams**
• **Simplifies application of IMRT to breast treatments**

The Alderson Breast Dosimetry System (ABDS™) are breast cups formed of a transparent, semi-rigid plastic material.

Data on increased skin dose due to ipsilateral cup were submitted to the FDA. The skin dose due to the cup material was found to be substantially less than for other positioning devices. The FDA has issued a 510 (k) marketing clearance for the Treatment Brassiere.

Cup selection begins by measuring a patient's chest breadth when supine and wearing her clothing brassiere. This measurement indicates the size group (S, M, L, XL) containing the correct cup. Left and right cups are not interchangeable.

The ipsilateral cup is positioned repeatedly on the patient by markings made on the patient's skin through small holes at the medial, lateral and superior aspects of the cup flange.

Each cup is labeled to identify size group (S, M, L, XL), body Side (R or L), and breast volume.

Item 674-100 Complete Brassiere Library Includes: 20 Left and 20 Right Complete Brassiere Assemblies
Item 674-TBC Portable 2 Tier, 8 post Storage Caddie with dust cover.
Item 674-100-TBC Includes 40 Cup Library and Caddie

Specifications

Material: Clear PETG Plastic
Density: 1.27 g/cm³
Thickness Range: .50 mm for smaller cups to .63 mm for extra large cups.

Item #	Description
674-100	40 Cup Brassiere Library
674-TBC	Brassiere Caddy - ONLY
674-100-TBC	40 Cup Brassiere Library w/Caddy

Item # - Patient Left	Item # - Patient Right	Volume	Brassiere Size	* Approx. Cup Size
674-100SL-200	674-100SR-200	200 ml	Small - Chest Breadth 27 - 32 cm	A / B
674-100SL-300	674-100SR-300	300 ml	Small - Chest Breadth 27 - 32 cm	B / C
674-100SL-400	674-100SR-400	400 ml	Small - Chest Breadth 27 - 32 cm	B / C
674-100SL-500	674-100SR-500	500 ml	Small - Chest Breadth 27 - 32 cm	C
674-100SL-600	674-100SR-600	600 ml	Small - Chest Breadth 27 - 32 cm	C / D
674-100ML-250	674-100MR-250	250 ml	Medium - Chest Breadth 32 - 36 cm	B
674-100ML-500	674-100MR-500	500 ml	Medium - Chest Breadth 32 - 36 cm	C
674-100ML-750	674-100MR-750	750 ml	Medium - Chest Breadth 32 - 36 cm	C/ D
674-100ML-1000	674-100MR-1000	1000 ml	Medium - Chest Breadth 32 - 36 cm	D / DD
674-100ML-1250	674-100MR-1250	1250 ml	Medium - Chest Breadth 32 - 36 cm	DD
674-100LL-500	674-100LR-500	500 ml	Large - Chest Breadth 36 - 42 cm	C
674-100LL-750	674-100LR-750	750 ml	Large - Chest Breadth 36 - 42 cm	C / D
674-100LL-1000	674-100LR-1000	1000 ml	Large - Chest Breadth 36 - 42 cm	D / DD
674-100LL-1250	674-100LR-1250	1250 ml	Large - Chest Breadth 36 - 42 cm	DD
674-100LL-1500	674-100LR-1500	1500 ml	Large - Chest Breadth 36 - 42 cm	DD / DDD
674-100XLL-1000	674-100XLR-1000	1000 ml	X-Large - Chest Breadth 42 cm - Over	D / DD
674-100XLL-1500	674-100XLR-1500	1500 ml	X-Large - Chest Breadth 42 cm - Over	DD
674-100XLL-2000	674-100XLR-2000	2000 ml	X-Large - Chest Breadth 42 cm - Over	DD / DDD
674-100XLL-2500	674-100XLR-2500	2500 ml	X-Large - Chest Breadth 42 cm - Over	DDD
674-100XLL-3000	674-100XLR-3000	3000 ml	X-Large - Chest Breadth 42 cm - Over	DDD

* Breast Sizes (volumes) correlate poorly with clothing brassiere cup sizes.

COSMAS CUP

The Cosmas Cup is a customized device that provides lift to the patient's breast and helps eliminate unwanted folds during radiation therapy treatment.

Specifications

Material: Thermoplastic
Thickness: 2.4 mm

CE

- Minimizes breakdown under the breast
- Daily setup for reproducibility is quick and precise
- Comfortable for patient
- Small and non-constricting
- Longer strap goes around patient's neck and attaches to shorter strap using hook and loop closure

Item #	Cosmas Cup	Size	Quantity
674-200	Size B	5 cm x 22 cm	5/pkg
674-203	Size C	8 cm x 25 cm	5/pkg
674-204	Size D	10 cm x 28 cm	5/pkg
674-205	Size E	15 cm x 30 cm	5/pkg

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MT SPANDAGE™ ELASTIC NET
Latex Free Elastic Retainer Net

Tubular elastic stretch net can accommodate a wide variety of medical needs involving virtually every part of the body. Size should be determined by patient's shirt size.

Item #	Size	Length Stretched
674-308	Medium Chest	10 yards
674-311	XX-Large Chest	10 yards
674-312	3X-Large Chest	10 yards

Others Sizes Available

SUPER-ADHESIVE NYLON HOOK AND LOOP

An extra-strong, pressure-sensitive adhesive backing sticks where others fail. Adheres to most metals, plastics and painted surfaces.

Specifications

Temperature Range: 0° to 120°F
Color: White

Item #	Super-Adhesive	Size
253-210	Hook	15' L x 1" W (38 x 2.54 cm)
253-211	Loop	15' L x 1" W (38 x 2.54 cm)
253-215	Hook	15' L x 2" W (38 x 5.08 cm)
253-216	Loop	15' L x 2" W (38 x 5.08 cm)

TREATMENT CHAIR

This versatile Treatment Chair provides upright positioning for specialty treatment cases of head, neck, thorax, breast, and lung or for patients who have difficulty lying supine for treatments. The seated patient has improved comfort, increased lung volume and reduced respiratory motion.

The Treatment Chair has an open grid back that allows for posterior treatment of the breast, lung and thorax. Patient safety features for the treatment chair include a seat belt and a Velcro® chest belt with three vertical position locations. Patient comfort is enhanced with a vinyl covered foam seat cushion which is tapered lower at the back to prevent the patient from sliding forward and giving more support under the thigh. Velcro® tabs attached to bottom of the seat cushion make it non-slip and easily removable from the chair when installing on the treatment table.

The Treatment Chair Base attaches to the front or side of the couch. The carbon fiber couch uses four plastic blocks using t-bolts and wing nuts, or to couch rails using four plastic rail blocks specific to the couch with t-bolts and wing nuts. The chair front is designed to be referenced to the table edge or to the table rail for reproducibility. The chair back is then secured to the chair base with a knob. Once the chair back is secured to the base the chair back can recline to five positive-locking positions between -5°, 0° and 20° (85° to 110°). The chair back has a carbon fiber grid treatment window with 0.007" thick polyester covering to prevent skin protrusion through the grid. Under the carbon fiber and polyester the dose rate is less than 1 mm of water equivalent build-up.

The Treatment Chair includes a Baseplate with a Round Head Cup and Straps. The straps can be mounted in three different positions over the head (Forehead, Nose or Chin). The Baseplate is typically mounted on the Treatment Chair Back in positions A to M. Positions N to Z are used when the Baseplate is rotated 180 degrees for taller patients. A notch in the Baseplate references the Baseplate location on the Treatment Chair. The Baseplate has two location pins and is secured to the Chair Back with a knob when the location is determined.

The Treatment Chair includes the Arms Down Assembly that consists of two stainless steel L-Bars and Arm Cradles. The L-Bar has vertical markings of 1-15 cm and slides into a locking clamp with rotation indexing of 1-12 locations. The horizontal leg of the L-Bar has 4 hole locations, A-D, for placement of the Arm Cradle. The Arm Cradle is lined with a foam pad.

Optional Items
Item 254-050 The Baseplate for a U-Frame Head Mask accommodates a Silverman Head and Neck Support and a Standard U-Frame Thermoplastic Head Mask. A Spacer is also included if needed. This Baseplate is also notched for position location and has two location pins and is secured to the Chair Back with a knob. The Baseplate is typically mounted to the chair back in positions A to M. Positions N to Z are used when the Baseplate is rotated 180 degrees for taller patients. The Baseplate also has two positions, A and B, for the U-Frame Clamps. 'A' is used when the Baseplate is in the A-M position and 'B' is used when the Baseplate is used in the N to Z positions. Use standard procedure for forming head mask.

Item 254-070 The Arms Up Assembly includes two vertical black posts, adjustable elbow support and handles. Each post is marked R or L indicating chair or patient right or left. Each post has a keyhole slot at the bottom which fits over a pivot pins located at the bottom center on each side of the chair. The post is then secured with a knob into an adjustable sliding lock The Arm posts can be positioned in any of 6 anterior positions, indicated by the markings of 1-6 on the side of the chair and locked with a knob. The elbow support and handles can be moved vertically to fit the patient. The elbow support can be indexed from 0-33 cm and the handles can be indexed from 1-35 cm.

Specifications

Back Opening: 20" Wide x 24.5" High (508 x 622 mm)
Polyester covering Thickness: 0.007" (0.1778 mm)
Surface Exposure at 6 MV: No reading was obtained under the polyester only. Under the carbon fiber and polyester the dose rate is less than 1mm of water equivalent build-up.
Seat Size: 25" Wide x 17.5" Deep (635 x 444 mm)
Chair Base Weight: 28 lb (12.7 kg)
Weight with Chair Back and Arm-Down Supports: 47 lb (21.3 kg)
Total Weight with All Parts: 57 lb (25.9 kg)

Item #	Description
254-000	Treatment Chair

Item #	Optional Accessories
254-050	Baseplate for U-Frame Head Mask
254-070	Arms Up Assembly

BELLY BOARDS

Opening Reducer

Item 256-025

Item 256-021

Opening Reducer

Item 256-035

**Item 256-021
Shown with Item 256-025**

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A Belly Board is used to allow the intestinal tract to drop out of the treatment field. Treatment through the foam material has a low absorption of the beam. This unit is made of lightweight, non-breakable high density foam and is coated with a durable blue finish for easy cleaning. The light weight allows for easy handling of the Belly Board. The soft flexible surface provides patient comfort and helps retain excellent body positioning. The bottom surface is anti-skid on treatment and simulator couches. The Belly Board includes one opening reducer that when placed in the opening makes the size of the opening smaller.

A new option is Item 256-025, the Belly Board Thickness Increaser. This Belly Board Thickness Increaser can be placed under the Small Belly Board, Item 256-021; to increase the thickness of the combined Belly Boards to 8" (20.3 cm) The Belly Board Thickness Increaser has the same size opening as the Small and Large Belly Boards and has the same width and length as the Large Belly Board.

When the EXACT Enhance Bar (Item 244-250) is attached to the Belly Board with the Glue Dots (Item 244-256), the belly board can then be indexed using a Lock-Bar or a similar bar. This will allow positioning the belly board in the same position daily.

Cleaning Instructions: Soap and Water, 50/50 Bleach / Water or an ammonia solution can be used.

Efficacy of a Belly Board device with CT-Simulation in Reducing Small Bowel Volume Within Pelvic Irradiation Fields. By Indra J. Das, Ph.D., Int. J. Radiation Oncology Biol. Phys.., Vol. 39, No. 1, pp 67-76, 1977

Specifications

Item 256-021 Belly Board, Small
Material: Foam
Density: 0.03g/cm^3
Opening: 12 1/4" W x 13 3/8" L (31 x 34 cm)
Blue Reducer: 11.8" W x 3.23" L x 4" T (30 x 8.2 x 10 cm)
Overall Size: 20" W x 46" L x 4" T (50.8 x 117 x 10 cm)
Weight: 6 lb (2.7 kg)

Item 256-025 Belly Board, Thickness Increaser
Material: Foam
Density: 0.03g/cm^3
Opening: 12 1/4" W x 13 3/8" L (31 x 34 cm)
Overall Size: 20" W x 58" L x 4" T (50.8 x 147 x 10 cm)
Weight: 8 lb (3.6 kg)

Item 256-035 Belly Board, Large
Material: Foam
Density: 0.03g/cm^3
Opening: 12 1/4" W x 13 3/8" L (31 x 34 cm)
Blue Reducer: 11.8" W x 3.23" L x 7" T (30 x 8.2 x 17.8 cm)
Overall Size: 20" W x 58" L x 7" T (50.8 x 147 x 17.8 cm)
Weight: 14 lb (6.4 kg)

Item #	Description
256-021	Belly Board, Small
256-025	Belly Board, Thickness Increaser for 256-021
256-035	Belly Board, Large
244-250	EXACT Enhance Bar
244-256	Glue Dots, 60/Pkg

PELVIS BELLY PLUS SYSTEM

269-655

The new generation of the Pelvis Belly Plus System comfortably positions patients, while achieving greater bowel displacement. The system is also easily transportable and provides every patient with the highest level of comfort.

Ease of Use
- **Lightweight radiolucent T-form multi-treatment base, compatible with the Low Profile Prone Breast System, makes owning both more economically feasible**
- **Single lower extremity pad, with sculpted leg and thigh cushioning, provides greater support and comfort**
- **Therapist-friendly device, which makes it easy to transport from the simulation room to the treatment room**

Dose Delivery
- **Proprietary multi-layered variable density foam pad set makes setup accurate and reproducible, while keeping patients comfortable**

Comfort
- **Dual foam, massage-style face cushion aides in patient comfort**
- **Small and medium abdominal inserts accommodate a wide range of patient sizes, with an optional large abdominal insert package**

The Prone Belly Plus System will not accommodate thermoplastics.

System includes
Multi-treatment Base
Pelvis Belly Pad Set
Prone Face Cushion
Handles
Small Abdominal Insert
Mediuim Abdominal Insert

The Pelvis Belly Plus Pad set can be used without the Multi-treatment base.

SecureFit Bars are also available in or order to securely attach the Multi-treatment base to your treatment couch.

MR Compatible

Made in the USA

Item #	Description
269-650	Pelvis Belly Plus System
269-461	Disposable Face Covers, 50/pkg
269-625	Low Profile Prone Breast Pad Set
269-655	Large Abdominal Insert

SECUREFIT BARS

262-190
262-191
262-193
262-195
262-196

Item #	SecureFit™ Lockdown Bar	Material
262-190	Varian EXACT Couch	Aluminum
262-191	Slider Attachment	Aluminum
262-192	Siemens Couch	Aluminum
262-193	Varian EXACT, Sliding Bar II	Aluminum
262-195	Varian EXACT	Carbon Fiber
262-196	Elekta Couch	Aluminum

T-FORM COMFORT HOLD™ THIGH AND FOOT POSITIONER

The Comfort Hold Thigh and Foot Positioner is a customizable device offering multiple indexing options for the lower extremities. This versatile product allows natural positioning of the feet and legs, reducing leg fatigue.

The Comfort Hold™ Thigh and Foot Positioner can be purchased as a system or individual units.

Optional Items
Item 256-276 Auto Traction Straps: provide comfort and better immobilization for patients who require assistance in holding their arms down during treatment.
Item 256-278 Thigh Strap: to provide comfort and better immobilization for patients who require assistance in holding their knees together during treatment.

- **Foam construction wedges**
- **Lightweight radiolucent T-Form Base**
- **Natural positioning of feet, reducing leg fatigue**
- **Removable foot cup pads**
- **Attaches to most couch tops using SecureFit™ Lockdown Bars (Items 262-190 to 262-199)**

Item #	Description
256-270	T-Form Comfort Hold™ Thigh and Foot System
256-276	Auto Traction Straps
256-278	Adjustable Thigh Strap

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T-FORM COMFORT HOLD™ FOOT POSITIONER

- **Foam lined foot cups provide additional comfort**
- **Removable foot cup pads to accommodate shoes-on and shoes-off treatment preferences**
- **Multiple indexing locations allows the light, radiolucent foot plate to move superior or inferior**
- **The vertical foot plate will have an option to be positioned 5° slightly forward or at an outward angle of 22.5° for comfortable foot flexion**
- **Offers two height adjustments options and a straight or 20° splayed angle for the feet**
- **Locks down onto most treatment couches**

Item #	Description
256-272	T-Form Comfort Hold™ Foot Positioner
256-276	Auto Traction Straps
256-278	Adjustable Thigh Strap

T-FORM COMFORT HOLD™ THIGH POSITIONER

- **Constructed from durable foam to aid in patient comfort**
- **Dual channel riser to support the legs at a 115° bend at the knee**
- **3" removable riser for multiple height options**
- **Locks down onto most treatment couches**

Shown with 3" (7.62 cm) Riser   **Shown without Riser**

Item #	Description
256-274	T-Form Comfort Hold™ Thigh Positioner
256-276	Auto Traction Straps
256-278	Adjustable Thigh Strap

T-FORM™ EXTREMITIES IMMOBILIZER SYSTEM

The T-Form Extremity Positioning System provides stability, comfort, high precision and the ability to conform to different anatomical tumor locations that vary in size and shape. The T-Form Extremity Immobilizer System significantly reduces patient setup time, improves systematic setup uncertainty, and allows for a reduction of the planning target volume for the treatment of extremity soft tissue sarcomas.

Item 255-600 T-Form Extremities Immobilizer System Includes
- T-Form Extremities Base
- Set of Thermoplastic Handles
- Lockdown Bar Slider Attachment (attaches to existing Lockdown bars)
- Two Extremities SecureVac Cushions
- Four Extremities Thermoplastic Sheets

MR Compatible

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- **Durable, Light-Weight, Radiolucent T-Form Base Plate**
- **System Specific thermoplastic and reusable thermoplastic handles**
- **Specific Thermoplastic Sheets with Reusable Handles**
- **Specific SecureVac™ Cushions**
- **SecureFit™ Bar with Sliding Attachment Enables Device to be Positioned and Indexed Anywhere on the Treatment Couch Top**
- **Locks Down to Most Couch Tops Using SecureFit™ Lockdown Bars (Items 262-190 to 262-199)**

Item#	Description
255-600	T-Form Extremities Immobilizer System

Item	Accessories
EMRT-8430	Embrace™ Extremity Thermoplastic Sheet
255-604	Additional Thermoplastic Handles
255-606	SecureVac™ T-Form Extremities Cushion

BIONIX SECUREFIT™ BARS

Specifications

Item 262-190 Varian EXACT Couch
Thickness: 0.25" (0.6 cm)

Item 262-193 Varian EXACT, Sliding Bar II
**Thickness:** 0.125" (0.3 cm)

CE
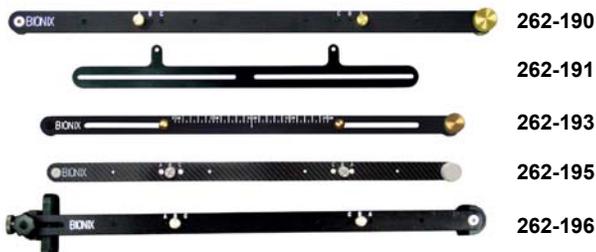
The SecureFit™ Bar and the SecureFit™ Sliding Bar lock down to the Varian Exact Couch. Lock down bars for most other couches are also available. This positioning aid will help with exact and precise positioning throughout the entire treatment. A variety of SecureFit™ Bars index Bionix positioning devices to the couchtop.

| Item #	SecureFit™ Lockdown Bar	Material
262-190	Varian EXACT Couch	Aluminum
262-191	Slider Attachment	Aluminum
262-192	Siemens Couch	Aluminum
262-193	Varian EXACT, Sliding Bar II	Aluminum
262-195	Varian EXACT	Carbon Fiber
262-196	Elekta Couch	Aluminum
262-197	Phillips Couch	Aluminum
262-198	GE Couch	Aluminum
262-199	Nucletron Couch	Aluminum
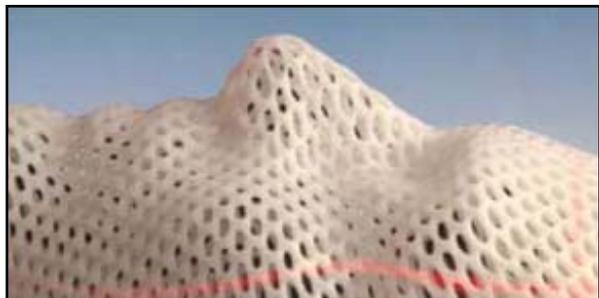
AQUAPLAST RT®

Aquaplast is available in two thicknesses (2.4 mm and 3.2 mm), and a variety of perforation patterns. The standard perforation pattern has a 40% open area. Also available is a 20% open (micro-perforated) pattern for certain applications. These percentages are appoximate and vary based on sheet thickness.

The consistent perforation pattern without solid areas results in a uniform shrinkage, forming a snug but comfortable mask without the bolus effect often associated with solid thermoplastics.

Specifications

Color: Ivory
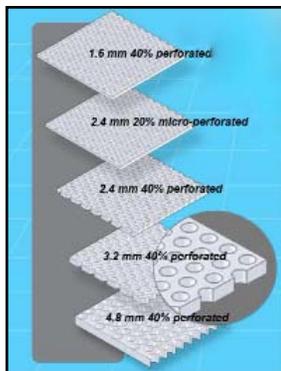
Item	Perforated Aquaplast Sheets	Size	Thickness	Quantity
RT-1781P	Prepunched on 9" (23 cm)	9" x 10" (23 x 25.5 cm)	2.4 mm	5
RT-1782	Unpunched	18" x 24" (46 x 61 cm)	2.4 mm	5
RT-1783P3	Prepunched on 12" (30.5 cm)	12" x 18" (30.5 x 46 cm)	2.4 mm	5
RT-1784	Unpunched	24" x 36" (61 x 91.75 cm)	2.4 mm	5
RT-1788	Unpunched	9" x 12" (23 x 30.5 cm)	2.4 mm	5
RT-1788P	Prepunched on 9" (23 cm)	9" x 12" (23 x 30.5 cm)	2.4 mm	5
RT-1891P	Prepunched on 9" (23 cm)	9" x 10" (23 x 25.5 cm)	3.2 mm	5
RT-1892	Unpunched	18" x 24" (46 x 61 cm)	3.2 mm	5
RT-1896	Unpunched, Less stretch	24" x 36" (61 x 91.75 cm)	3.2 mm	5

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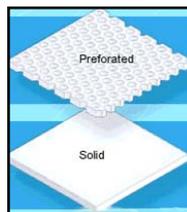
Item	Solid Aquaplast Sheets	Size	Thickness	Quantity
RT-1722	Unpunched	18" x 24" (46 x 61 cm)	2.4 mm	5
RT-1724	Unpunched	24" x 36" (61 x 91.75 cm)	2.4 mm	5
RT-1822	Unpunched	18" x 24" (46 x 61 cm)	3.2 mm	5
RT-1824	Unpunched	24" x 36" (61 x 91.75 cm)	3.2 mm	5

AQUAPLAST TRADITIONAL U-FRAMES

Item	Traditional U-Frames	Thickness	Quantity
RT-1679	Standard Mask	1.6 mm	5
RT-1779	Standard Mask	2.4 mm	5
RT-1889	Standard Mask	3.2 mm	5
RT-1989	Standard Mask	4.8 mm	4

Item	Traditional U-Frames	Thickness	Quantity
RT-1779X	Extended Mask	2.4 mm	5
RT-1889X	Extended Mask	3.2 mm	5

Traditional Standard Mask
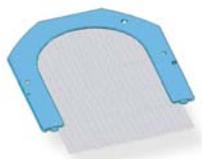
Traditional Extended Mask

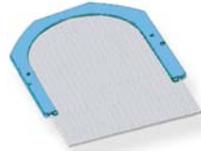| Item	Traditional U-Frames	Thickness	Quantity
RT-1679L	Long Mask	1.6 mm	5
RT-1779L	Long Mask	2.4 mm	5
RT-1889L	Long Mask	3.2 mm	5

Traditional Long Mask

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AQUAPLAST SLIMLINE U-FRAMES

Slimline Standard Mask

Slimline Extended Mask

Slimline Long Mask

Item	Slimline U-Frames	Thickness	Quantity
RT-1679S	Standard Mask	1.6 mm	5
RT-1779S	Standard Mask	2.4 mm	5
RT-1889S	Standard Mask	3.2 mm	5
RT-1989S	Standard Mask	4.8 mm	4

Item	Slimline U-Frames	Thickness	Quantity
RT-1679SX	Extended Mask	1.6 mm	5
RT-1779SX	Extended Mask	2.4 mm	5
RT-1889SX	Extended Mask	3.2 mm	5

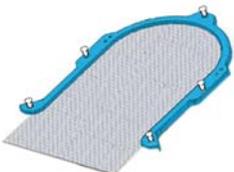| Item	Slimline U-Frames	Thickness	Quantity
RT-1679SL	Long Mask	1.6 mm	5
RT-1779SL	Long Mask	2.4 mm	5
RT-1889SL	Long Mask	3.2 mm	5

AQUAPLAST HEAD ONLY S-FRAMES

Head Only Standard Mask

Head OnlyExtended Mask

Head Only Long Mask

Item	Head Only S-Frames	Thickness	Quantity
RT-1679SD	Standard Mask	1.6 mm	10
RT-1779SD	Standard Mask	2.4 mm	10
RT-1889SD	Standard Mask	3.2 mm	10

Item	Head Only S-Frames	Thickness	Quantity
RT-1779SDX	Extended Mask	2.4 mm	10
RT-1889SDX	Extended Mask	3.2 mm	10

Item	Head Only S-Frames	Thickness	Quantity
RT-1779SDL	Long Mask	2.4 mm	10
RT-1889SDL	Long Mask	3.2 mm	10

AQUAPLAST HEAD AND SHOULDERS S-FRAMES
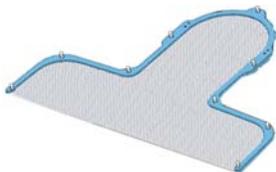
Head and Shoulder Standard Mask

Item	Head and Shoulders S-Frames	Thickness	Quantity
RT-1682SD	Standard Mask	1.6 mm	10
RT-1782SD	Standard Mask	2.4 mm	10
RT-1882SD	Standard Mask - Less Stretch	3.2 mm	10
RT-1892SD	Standard Mask	4.8 mm	10

EMBRACE™ THERMOPLASTIC

- **Controlled Stretch; even hole pattern distribution helps increase tensile strength of the material.**
- **Minimal tackiness; material does not stick to patient and promotes comfort**
- **More positive rigidity compared to competitive products**
- **Minimal shrinkage for sustained use**
- **Smooth comfort edge provides maximum patient comfort along the neck line**
- **Unlimited shelf life**
- **All U-Frame Masks feature more thermoplastic with a durable, narrow frame**
- **U-Frames are compatible with most industry headboards**
- **Made in the USA**

Embrace Thermoplastic is premium low-melt material used to create customizable immobilization for patients receiving radiation therapy treatments of the head & neck. Embrace Thermoplastic is user and patient friendly featuring decreased tackiness and shrinkage The Embrace Thermoplastic material also encompasses an even hole distribution pattern after molding, which helps increase overall rigidity.

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EMRT-8315	**EMRT-8320**	**EMRT-8325**	
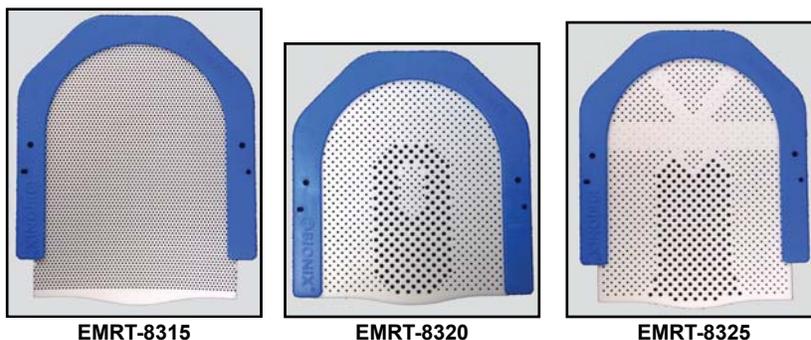
Item	Embrace™ U-Frames	Thickness	Quantity
EMRT-8300	10" x 10", Standard U-Frame	2.4 mm	10/Box
EMRT-8305	10" x 12", Extended U-Frame	2.4 mm	10/Box
EMRT-8310	10" x 10", Standard U-Frame	3.2 mm	10/Box
EMRT-8315	10" x 12", Extended U-Frame	3.2 mm	10/Box
EMRT-8320	10" x 10", Advantage U-Frame	2.4 mm	10/Box
EMRT-8325	10" x 12", Extended SecureFrame	2.4 mm	10/Box

Fits Most Head Boards Industry Wide

EMRT-8360	**EMRT-8365**	**EMRT-8375**	**EMRT-8380**
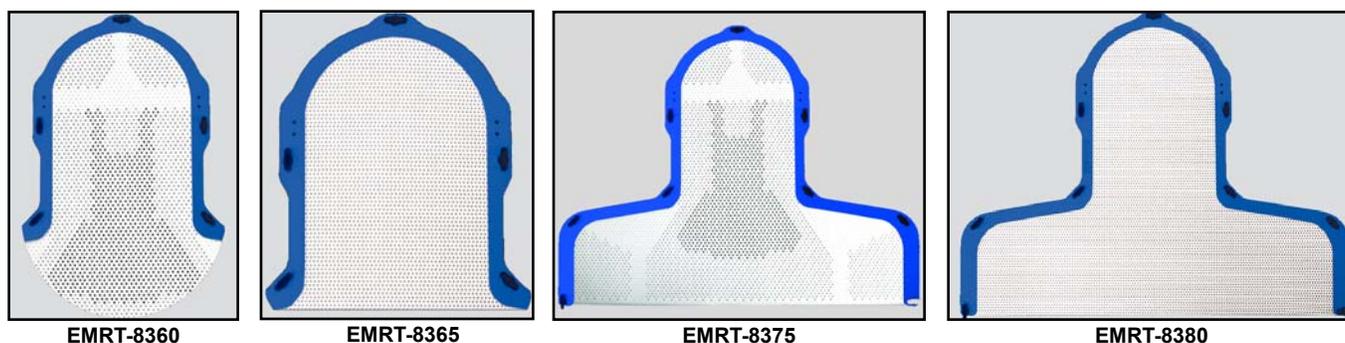
Item	Embrace™ S-Type Frames	Thickness
EMRT-8360	Head Only S-Type SecureFrame	2.4 mm
EMRT-8365	Head Only S-Type	2.4 mm
EMRT-8370	Head Only S-Type	3.2 mm
EMRT-8375	Head & Shoulder S-Type SecureFrame	2.4 mm
EMRT-8380	Head & Shoulder S-Type	2.4 mm
EMRT-8385	Head & Shoulder S-Type	3.2 mm

Fits S-Type System

KLARITY® U-FRAME MASKS

- **Low Melt Temperature: Reduces set-up time and shrinkage for maximum patient comfort**
- **Extended Molding Time: Allows for longer manipulation time**
- **Smooth Edge Comfort Design: Reduces discomfort around the neck line**

- **Low Profile Frame: More beam angles can be utilized**
- **ID Label**
- **Fit most head and neck boards in the industry**

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Item KLRT-450U Klarity® ContourFrame™ (9" x 10", 2.4 mm)
- Reinforced nose for added rigidity
- Contoured, perforated patch pattern for easier breathing and increased comfort for the eyes and mouth

Item KLRT-430UC Klarity® EzeFrame™ (9" x 10", 3.2 mm)
- Thicker for a more rigid mold
- Smooth edge comfort design exclusively

Item KLRT-430W Klarity® ProfileFrame™ (10" x 10", 3.2 mm, 42% Perforation)
- Narrow frame and more thermoplastic

Item KLRT-431W Klarity® ProfileFrame™ (10" x 12", 3.2 mm, 42% Perforation)
- Narrow frame and more thermoplastic
- Extended length

Item #	Klarity® Disposable Masks	Thickness	Size	Perforation	Quantity
KLRT-420W	Profile Frame™	2.4mm	10" x 10"	36%	12
KLRT-421W	Profile Frame™ Extended Length	2.4mm	10" x 12"	36%	12
KLRT-450U	Contour Frame™	2.4mm	9" x 10"		12
KLRT-430UC	EzeFrame™	3.2mm	9" x 10"		12
KLRT-430W	Profile Frame™	3.2mm	10" x 10"	42%	12
KLRT-431W	Profile Frame™ Extended Length	3.2mm	10" x 12"	42%	12

Used with All Bionix Standard Headboards and Most Other Headboards

KLARITY® S-FRAME MASKS

- **Transmission factor is less than carbon fiber**
- **Easy-to-use push/pull expansion knob system**
- **Thermoplastic has minimal shrinkage**
- **Will not stick to the board or patients' clothes**
- **Low melt temperature**
- **Long melting period**

The S-Frame thermoplastic line was designed to offer dependable immobilization for the S-Frame system. Includes Push Pins.

Item KLRT-461S
S-Frame, Head/Shoulder

Item #	Klarity® S-Frame Disposable Masks	Thickness	Perforation	Quantity
KLRT-461S	Head/Shoulder	3.2 mm	42%	6
KLRT-461SH	Head Only	3.2 mm	42%	6
KLRT-464S	Reinforced Head/Shoulder	3.2 mm		6
KLRT-464SH	Reinforced Head Only	3.2 mm		6

Used with the S-Type Boards for Head and Neck IMRT

KLARITY GREEN® THERMOPLASTIC MASKS

- **Least shrinkage of all leading thermoplastic masks**
- **50% longer working time for detailed, better-fitting masks**
- **100% non-stick surface when heated**
- **Low working temperature 160°-165° F**
- **Stronger than traditional RT thermoplastics**
- **Ultra-secure reinforcing perforation pattern**
- **Use with standard U-Frame systems from CIVCO, Klarity, WFR/Qfix, Bionix and others**

The Karity Green® themoplastic masks fit on most major manufacturer's headboards and S-frame systems. Klarity Green® thermopastic material does not stick to itself and has a longer working time than other thermoplastic material.

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KLARITY® U-Frame Masks with KLARITY GREEN™ Thermoplast

KLRG-420W

- Superior U-Frame Head Mask for Standard Headboards
- Lowest shrinkage of all leading thermoplastic masks
- Wider Clearance for all head sizes
- 100% non-stick surface when heated
- Fits All Standard U-Frame BasePlates
- Stronger than traditional RT white thermoplastics

Item #	Klarity Green® ProfileFrame™ U-Frame	Thickness	Size	Perforation	Quantity
KLRG-420W	ProfileFrame™	2.4 mm	10" x 10"	36%	12
KLRG-421W	ProfileFrame™, Extended Length	2.4 mm	10" x 12"	36%	12
KLRG-430W	ProfileFrame™	3.2 mm	10" x 10"	42%	12
KLRG-431W	ProfileFrame™, Extended Length	3.2 mm	10" x 12"	42%	12

Used with All Standard Headboards
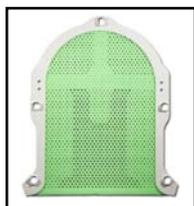
KLARITY GREEN™ IMRT Masks

KLRG-430-1W   **KLRG-464-1W**

Item #	Klarity Green® IMRT U-Frames	Thickness	Quantity
KLRG-430-1W	Reinforced Head Only Mask	3.2 mm	12
KLRG-464-1W	Reinforced Head Only Mask, Extended Neck	3.2 mm	12

KLRG-461-4SHT   **KLRG-461-5SHT**

- **T-Lok™ pin design for easy on/off and less breakage**
- **Use with standard S-Frame systems from CIVCO, Klarity, WFR/Qfix and others**
- **Includes Push Pins**

Item #	Klarity Green® IMRT S-Frames	Thickness	Quantity
KLRG-461-4SHT	Reinforced Head Mask	3.2 mm	6
KLRG-461-4ST	Reinforced Head/Shoulder Mask	3.2 mm	6
KLRG-461-5SHT	Reinforced Head Mask, Extended	3.2 mm	4
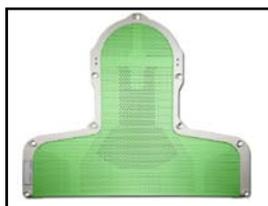
KLRG-461-4ST

POSITIONING & IMMOBILIZATION PRODUCTS

UNLIMITED SCISSORS

The Unlimited Scissors cuts through softened or unsoftened thermoplastics with powerful leverage. The flexible, non-slip handles provide a comfortable grip for right or left hands.

Item #	Description
RT-4932	Unlimited Scissors

THERAMARK

Designed specifically for use on radiation therapy immobilization masks, Suremark TheraMark is a precision label that allows technologists to accurately mark specific points for radiation treatment.

NOTE: Contains Natural Rubber Latex

CE

Item	Description	Quantity
462-200	Suremark TheraMark	110/Box

SOFTSTRIPS™ COVERS

- **Split backing for quick and easy applicaion**
- **0.5" (1.27 cm) separated lateral slits for curved edges**
- **Cushioned for patient comfort and safety**
- **Rugged for use during entire duration of treatment**

SoftStrips™ Covers are cushined 1" wide (2.54 cm) adhesive tape designed to bring comfort to the patient from the sharp jagged edges created from holes cut out of thermoplastic masks. SoftStrips™ Covers have a convenient split backing enabling therapists to easily apply this cushy tape to the thermoplastic mask.

SoftStrips™ Covers have lateral slits every 0.5" (1.27 cm) to allow for easy adhesion around bends and curves. The SoftStrips™ adhesive is designed to remain on the thermoplastic mask for the duration of treatment, up to 8 weeks. They are perfect for covering the area around the holes for eyes, nose, and mouth

Item #	Description	Size
253-300	SoftStrips™ Covers	144" L x 1" W (366 x 2.54 cm)

DIGITAL THERMOPLASTIC WATER BATH

Lift Up Drain Tray

An 8' (2.4 m) AC Cord with grounded hospital grade plug is standard. The units are constructed with a bottom drain for easy water removal and cleaning. Included is a 5' (1.5 m) vinyl drain hose that attaches to the side drain hose barb fitting and ball valve.

All units need special plugs and receptacles depending on the country. The temperature displayed is set to Fahrenheit at the factory; however, this can be changed to Celsius by the end user. All units are single phase, 50/60 Hz.

Item 278-120 and 278-240 also includes

- Perforated Stainless Steel Lift Tray
- Tray Lift Cable
- Netting, Plastic Liner for Perforated Stainless Steel Tray Mesh Liner Nylon
- Push-in Pins, Ribbed Push-in Pin

Specifications

Water Temperature Range: 100 to 190°F (37° to 88°C)
Temperature Accuracy: ± 2°
High Limit Temperature: 190°F or 88°C
Temperature Controller Type: PID
Thermocouple: J
Mechanical Timer: Up to15 Minutes with a 3 Second Bell Ring
Power Source: 120 VAC 12 Amps 1480 Watts and 200/240 VAC 6.25/7.5 Amps, 1250/1800 Watts
Line Frequency: 50-60 HZ
Electronic Switching: Triac with Zero Crossover Switching
On/Off Switch: 20 Amp, Waterproof
Fused: Two Fuses for AC Lines
Power Cord: 8' (2.4 m) 3 Wire, 300 Volt, SJT, with Hospital Grade Plug
Over Temperature: 212°F Bi-Metal Disc Thermostats
Drain: Ball Valve with Hose Barb
Drain Hose: 3/8" ID x 5' (1 cm x 1.5 m)
Thermoplastic Water Bath
  Insulated Cover: Lift Up or Removable, Stainless Steel
  Cover Clearance: 35" W x 32" D x 32" H (89 x 81 x 81 cm)
  Interior Dimension: 25" L x 21" W x 5" D (63 x 53 x 12 cm)
  Interior Material: Stainless Steel
  Depth Markings Inside: 2", 3" and 4" (5, 7.6, and 10 cm) Indentations
  Exterior Dimensions: 35" L x 25" W x 8.5" D (89 x 64 x 22 cm)
  Exterior Material: Stainless Steel
  Water: Use Distilled or Filtered to Prevent Mineral Deposits from Forming In Thermoplastic Water Bath

- **Lift Up Drain Tray for Easy Removal of Thermoplastic**
- **Water Temperature Stability ± 2°**
- **Microprocessor Proportional-Integral-Derivative (PID) Temperature Control**
- **"J" Thermocouple**
- **Open Thermocouple Sensor Will Shut Unit Down**
- **Temperature Displayed in Fahrenheit or Celsius**
- **Easy View Side Panel Controls**
- **Control Panel is Customer Removable**
- **Timer with Three Second Bell Ring**
- **Cover is Cool to the Touch**
- **Hinged or Removable Cover**
- **Exterior Stays Cool Even After Hours of Operation**
- **Heating Elements will not Burn Out if Thermoplastic Water Bath Accidentally Runs Dry**
- **Over Temperature Bi-Metal Disc Thermostat**
- **Large Drain and Hose**
- **Easy to Clean**
- **Stainless Steel Corrosion-Resistant Interior and Exterior**

The Digital Thermoplastic Water Bath has a spacious interior to accommodate radiation therapy thermoplastic masks, hip molds and splinting sheets up to 21" x 25" (53 cm x 63 cm). The insulated stainless steel lid is functionally designed to open completely with just one hand, leaving the other hand free. Or, the rod hinge can be removed so the cover can be completely removed and placed on a shelf under the unit. This will allow the unit to sit on a counter with over the counter cabinets. The rugged design makes it universally ideal for clinical use. It features polished stainless steel housing, an insulated stainless steel cover and a side mounted, easy to view control panel.

The EZ-Zone® Digital PID Temperature Controller has two digital readouts, temperature and set point. It can maintain water at controlled temperatures between 100°F to 190°F (38°C to 88°C). The heating element provides even water temperatures throughout the entire unit.

Item	Digital Thermoplastic Water Bath
278-120	120 VAC, 1480 W, 12 Amps
278-240	200/240 VAC, 1250/1800 W, 6.25/7.5 Amps
All Units's are single phase, 50/60 Hz.	

Item #	Optional
640-040	BKF Cleanser and Polish for Stainless Steel
640-044	Liquid Cleaning Polish Conditioner for Stainless Steel
640-048	LIME-A-WAY, Lime, Calcium and Rust Remover
878-160	Scotch-Brite Cleaning Pads, 10/Pkg

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DIGITAL THERMOPLASTIC WATER BATH

**Shown with Netting
(Item 278-129)**

The Digital Thermoplastic Water Bath is capable of handling the largest head and shoulder splints in the industry. The water bath features a hinged lid opening in four positions. This design is ideal when the unit is placed on a counter and under overhead cabinets. The Digital Thermoplastic Water Bath delivers precise temperatures within ±1 degree. This unit is configured for 220 V electrical requirements.

An optional item for the water bath is the Netting Frame Assembly (Item 278-129). This assembly allows for lifting the frame out of the water without reaching into the water or using tongs.

Specifications

Overall Dimesnions: 33" W x 26" L x 8" H (83.8 x 66 x 20.3 cm)
Inside Dimensions: 26" W x 22" L x 5" H (66 x 55.9 x 13 cm)
Temperature Range: 155°F to 175°F(68°C to 79°C)
Electrical: 220 VAC, 1480 Watts, 7 Amps
Plug: Hospital Grade Power Cordset
UL and CE Marked

Item	Description
278-248	Digital Thermoplastic Water Bath, 220 VAC, UL & CE
278-129	Netting Frame Assembly

Single Phase, 50/60 Hz

THERMOPLASTIC WARMING PAN

- **Unique "serpentine shaped" heating element that evenly distributes heat throughout the unit.**
- **Provided with insulation to protect interior parts and countertops from heat build-up**
- **Unit is designed to be used with water, but will not be damaged if runs dry**
- **Steel "element support" stabalizes heating elements and reflects heat to pan**
- **All stainless steel well pan and housing**
- **Heavy-duty wiring extends element life**
- **Infinite temperature control**
- **Constructed with heavy duty stainless steel for excellent durability**

- **Interior liner formed out of tough stainless steel**
- **Certified by the following agencies: CE, UL & UL (Sanitation Classified, CSA)**

Each unit is equipped with a 60" (152.4 cm), three wire grounded power cord which terminates with a standard three pronged male plug. The 120V unit uses a NEMA 5-15P plug.

Specifications

Inside Dimensions: 19 5/16" L x 11 5/16" W x 6 1/4" H (49 x 28.7 x 15.8 cm)
Overall Dimensions: 22 1/2" L x 14 1/2" W x 9" H (57 x 36.8 x 22.8 cm)
Electrical: 120 V, 1200 watts, 10 amps.
Temperature Range: 90° to 190°F (32° to 88°C)
Weight: 30 lb (13.7 kg)

CE

Item #	Description
278-001	Warming Pan
278-002	Hinged Flat Cover for Warming Pan

THERMOPLASTIC ELECTRIC HEATING PAN

- **Tempered glass cover**
- **Cast aluminum base**
- **Nonstick surface, inside & out**
- **Fully immersible and dishwasher safe with heat control removed**
- **One year limited warranty**

Specifications

Overall Dimensions: 23" W x 13" D x 9" H (58.4 x 33 x 22.9 cm)
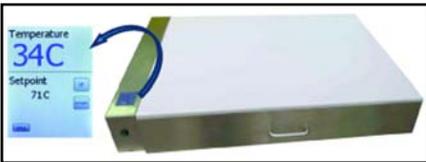**Inside Dimensions:** 16" W x 12" D x 2" H (40.6 x 30.5 x 5 cm)
Power: 120 VAC, 1500 Watts
UL Listed

Item #	Description
278-051	Thermoplastic Electric Heating Pan

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DRY HEAT CONVECTION OVEN

Unlike water baths that require tending, filling and run the risk of spillage, the oven softens thermoplastic materials used for fixation in radiation therapy to its optimal elasticity with safe, dry heat. It eliminates liquid hazards and ensures maximum comfort during application to the patient.

The dry-heat system meets today's need for universal precautions to reduce cross-contamination during patient care.

The digital temperature control makes it easy to select the setting to warm thermoplastic material to its proper consistency and keep it viable until you are ready to use it. Thermoplastic will be ready to use in 8-15 minutes (depending on the size of the material and whether it is framed or unframed).

The insulated case and space-saving compact design is perfect even for the most crowded department. The easy-sliding drawer opens fully to provide maximum access to the material.

- **Space-saving compact design**
- **Non-stick surface**
- **Insulated case**
- **Dry heating eliminates the inconveniences of using water**
- **Digital temperature setting in Celsius or Fahrenheit**
- **Auto shut-down after 2 hours – Turns off after 6 hours.**
- **3" Touch Display for temperature adjustment**
- **Heat circulation, convection principal**

Specifications

Outside Size: 31" W x 23" D x 5.5" H (79 x 58 x 13 cm)
Voltage: 120 Volt
Finish: Beige baked enamel (on cold rolled steel), stainless steel trim
Weight: 47 lb (21 Kg)

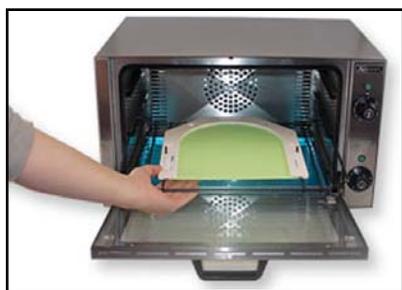| Item #	Description
278-007	Dry Heat Convection Oven

KLARITY OVENS FOR THERMOPLASTIC MASKS

278-512

278-520

- **Simple and easy to use**
- **Water-free**
- **Significantly reduced risk of bacterial infection**
- **Oven warms up quickly**
- **Non-stick surface**
- **Easy to clean**

Klarity ovens are a simple and easy to use heating method for all thermoplastic masks, AccuCushions™ and other thermoplastic devices. Klarity oven dry-heat systems meet today's need for extra precautions to reduce cross-contamination during patient care. By using convection heat to prepare thermoplastics, we have removed the need for water baths, mitigating the risk of bacterial infection. The result is a safer, more effective heating method.

Klarity ovens heat up in minutes, and can be used with all standard thermoplastics. Non-stick Teflon racks allow masks to be placed directly on the rack for easy preparation. Temperatures can be adjusted to Fahrenheit or Celsius, and all ovens have built-in timers. Thermoplastics come out of the oven completely dry and ready to be formed.

Item 278-512
The Klarity AirFlow™ Oven is our most advanced and efficient dry heating option. The oven heats masks quickly, comparable to traditional preparation times. The oven features two shelves allowing multiple thermoplastic devices to be prepared simultaneously.

Item 278-520
The Klarity Mini Oven is an economical and easily transportable dry heat option. For Head Mask preparation and Small and Medium AccuCushion™ preparation only.

Item 278-512
Inner Dimensions: 25" W x 19" D x 10" H (64 x 48 x 25 cm)
Outer Dimensions: 31.5" W x 30.5" D x 17" H (80 x 77 x 43 cm)
Finish: Stainless Steel
Weight: 88 lb (40 Kg)
Voltage: 110V

Item 278-520
Inner Dimensions: 15" W x 12" D x 10" H (38 x 30.5 x 25 cm)
Outer Dimensions: 21" W x 19" D x 13" H (53 x 48 x 33 cm)
Finish: Stainless Steel
Weight: 34 lb (15.5 Kg)
Voltage: 110V

Item #	Description
278-512	Klarity AirFlow™ Oven, 110V
278-520	Klarity Mini Oven, 110V

SECUREFOAM™

- **Maintains shape longer than the other two-part foams.**
- **Reimbursable as a complex treatment device.**
- **Simple & cost effective method of customized repositioning.**
- **Patient comfort liners are also available.**
- **Available in 3 volumetric sizes to meet your patient positioning needs.**

SecureFoam™ is a two-part foaming agent developed to immobilize patients during radiation therapy treatment. SecureFoam™ offers the ability to quickly create an inexpensive, customized positioning device.

SecureFoam™ is available is three sizes to meet all of your needs: small, for pediatrics and small anatomical areas; medium, "ideal size" for breast and lung set-ups; and large, for large anatomical areas.

Each package contains:
(1) 2 part foaming agent (A & B)
(1) Large containment bag

Shelf Life: 6 Months

Item	SecureFoam™	Quantity
244-500	Small	10/Pkg
244-502	Medium	10/Pkg
244-504	Large	10/Pkg

SECUREVAC™ CUSHIONS

244-400

244-418

244-402

244-426

- Constructed from thick nylon for a durable, rigid mold
- Maintains form for an entire 6 to 8 week treatment cycle
- Includes dual check valve and hose clamp to reduce leakage
- Adapts to industry standard pumps
- Able to lock down to most couch tops

Bionix SecureVac™ vacuum cushions are durable, accurate and cost-effective. They are reusable and airtight, filled with small polystyrene spheres to immobilize the patient. SecureVac™ cushions feature a stonger nylon material to prevent punctures and leaks.

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Item #	SecureVac™	Size	Liter Fill
244-400	Cushion	50 x 20 cm	2.25
244-402	Head and Shoulder	65 x 67 cm	10
244-404	Cushion	70 x 50 cm	15
244-406	Cushion	70 x 70 cm	20
244-410	Cushion	100 x 70 cm	35
244-412	Cushion	100 x 100 cm	50

Item #	SecureVac™	Size	Liter Fill
244-414	Body Cushion	150 x 70 cm	55
244-416	Cushion	150 x 100 cm	80
244-418	w/25cm² Pelvic Portal	100 x 70 cm	35
244-426	VersaCushion	32 x 15 x 9 cm	2
244-442	Repair Kit		

MULTI-CHAMBER SECUREVAC™ CUSHIONS

244-422

244-420

- Built in anti-microbial protection to prevent cross contamination during storage and post patient interation
- Long lasting efficacy vs. broad spectrum or micro-organisms
- Manufactured using durable materials in our proven standard blue cushions
- Exhibits excellent resistance to damage in handling

The Multi-Chamber SecureVac Cushions are produced using an innovative, patented design that provides therapists with the ability to easily create large full body molds.

Each sequential chamber is formed independently from the other to ensure a custom mold is formed around each patient's anatomical contours. The multi-chamber design also makes it easy to recreate a section without losing the entire mold. The cushions work well with the Bionix Omni V SBRT Patient Positioning System, Butterfy Boards or as an independent patient positioning device.

Item 244-420
SecureVac™ Tri-Vac, 3 Chambered Cushion
The Tri-Vac Cushion is designed for full body immobilization. The cushion has three separate chambers:
- Upper Chamber 60 L x110 W cm, 35L Fill
- Middle Chamber 65 L x 70 W cm, 12L Fill
- Lower Chamber 90 L x 70 W cm, 35L Fill

Item 244-422
SecureVac™ T-Vac, 2-Chambered Cushion
The T-Vac cushion has two separate chambers and is shaped like the letter "T". The shape allows the SecureVac™ Cushion to be a popular choice for immobilizing upper extremities. It works extremely well when utilized with a Butterfly Board.
- Upper Chamber 60 L x 100 W cm, 28L Fill
- Lower Chamber 100 L x 70 W cm, 24L Fill

Item 244-424
SecureVac™ Tri-Vac, 3-Chambered Cushion with Integrated Knee Bolster
The Tri-Vac Cushion with Thigh Bolster is the perfect solution for patients that need extra support under their knees. The built-in wedge can easily be positioned anywhere within the cushions lower chamber.
- Upper Chamber 65 L x110 W cm, 35L Fill
- Middle Chamber 65 L x 70 W cm, 12L Fill
- Lower Chamber 90 L x 70 W cm, 35L Fill
- Built-in wedge 6" L x 18" W (15 x 46 cm)

Item #	SecureVac™
244-420	Tri-Vac, 3 Chambered Cushion
244-422	T-Vac, 2-Chambered Cushion
244-424	Tri-Vac, 3-Chambered Cushion w/Knee Bolster

SECUREVAC™ ACCESSORIES

244-459

The dual action pump with foot controls easily inflates and deflates SecureVac Cushions for easy molding. A hose adapter must be ordered separately to connect the pump to a cushion.

Item #	Description
244-459	SecureVac Dual Action Pump with Foot Pedal, 110V
244-460	SecureVac Dual Action Pump, 110V

Item #	Pump to Cushion Hose Adapter	Length
244-440	Bionix/CIVCO Pump to Bionix Cushion	8' (2.4 m)
244-444	Bionix Pump to VacFix Cushion	8' (2.4 m)
244-446	Bionix Pump to CIVCO Cushion	8' (2.4 m)
244-448	CIVCO Pump to Bionix Cushion	6" (15 cm)
244-450	Central Vac Pump to Bionix Cushions	8' (2.4 m)

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The dual-pronged high-density SecureVac Bar Adapter is perfect for locking down smaller Vacuum Cushions to your couch top. The medium profile offers enough depth for precise reproducibility and localization; and is small enough that it will not be felt by the patient. Simply attach the Bar Adapter to your Lockdown Bar utilizing the locator holes, and then lock the unit down to the couch top as normal.

Item #	Description
244-432	SecureVac™ Bar Adapter

244-434   **244-435**

Item 244-434 T-Form SecureVac™ Box Adapter
This radiolucent adapter is easy to use and more cost effective than the carbon fiber alternative. This box adapts right on top of a SecureFit Bar which locates on most treatment couches. Place the SecureVac Bag on top of the adapter as you mold. You will utilize the T-Form SecureVac Box Adapter for each subsequent set-up to ensure maximum reproducibility.

Item 244-435 Carbon Fiber SecureVac™ Box Adapter
This carbon fiber adapter is easy to use and very cost effective. This box adapts right on top of the SecureFit™ Bar which locates on the Varian Couch. Place the SecureVac™ Bag on top of the adapter as you mold. After you mold, detach The SecureVac Box Adapter and use again.

Item #	Description
244-434	T- Form SecureVac™ Box Adapter
244-435	Carbon Fiber SecureVac™ Box Adapter

High quality rack available to safely and conveniently store your SecureVac™ cushions. The rack is very mobile and holds up to 7 to 10 bags. S-hooks are also available to hang your SecureVac™ bags for easy handling.

Specifications
Size: 61" L x 23" W x 65" H (155 x 58.5 x 165 cm)

Item #	Description
244-436	Storage Cart for Vacuum Cushions

S Hooks are available to hang your bags. They include plastic-covered tips which protect the bags.

Item #	Description
244-438	"S"- Hooks for Storage Cart, 5/Pkg

VAC FIX SYSTEM

- **Reuseable**
- **Precise**
- **Comfortable**
- **Non-toxic**
- **Fast and easy to use**
- **Maintains shape throughout the 6 week treatment period**
- **Custom shapes and sizes available**
- **Cushions are MRI compatible**

Item 244-220 Vac Fix Pump

Item 244-230 Vac Fix Air Hose Assembly

Type S1

Type S2

Type S3

Type S4

Save time and money with Vac Fix

The Vac Fix bag consists of an airtight bag filled with small polystyrene spheres. The Vac Fix bags are almost air equivalent and will only increase the build-up effect by a few percent.

The vacuum-based Vac Fix System is fast and comfortable to work with and consists of only a few components. The reusability of the bags combined with the fast and clean fixation gives your department the best cost-benefit ratio. Correction of positioning can be done in a few minutes.

Maximum accuracy

Radiotherapy treatment is moving towards an increased use of multi-fractioned, multi-field and rotational treatment based on sophisticated computer technology. This demands maximum fixation accuracy.

Tests made at several oncology centers have shown that with only a few weeks of practice, the same accuracy in day-to-day reproducibility of positioning can be obtained using the Vac Fix System as with any other fixation system which has been used for years. A standard deviation of the center cross of 1.5 mm was achieved.

Perfect fixation in less than 5 minutes

Place the patient on the air-filled bag in the treatment position, evacuate the bag for a few seconds, mold the bag to the desired shape giving the patient the best fixation and points of support, evacuate the bag until it becomes rigid and you have a perfectly shaped mold cushion in just a matter of minutes.

Vac Fix Pumping Station

The Vac Fix Pumping Station was designed to leave your hands free to mould the Vac Fix Cushions quickly and efficiently.

The Vac Fix Pumping Stations ensures ideal vacuum for firm and stable shells: A tone sounds when the correct vacuum has been reached so there is no need to guess when a complete vacuum has been achieved. The pump's compact lightweight design (just 25 lb or 11.3 kg) and handles for easy carrying make it ideal for the most crowded department.

When the right side of the foot pedal (vacuum side) is depressed once, the pump will start and evacuate the air. When it is depressed again the pump will stop.

When the left side (inflate side) is pressed, the pump will force air into the bag as long as the pedal is pressed down.

Using an existing form of vacuum

Your wall vacuum connection or an existing pump must be able to pull down to approximately 23" of mercury. If an in house vacuum system is to be used an adapter can be supplied upon request. This adapter will enable an existing 1/4" ID air hose to mate with the vac fix valve.

Positioning Guides For Accelerator and Simulator Tables

In order to position the vac fix shell precisely on the therapy table, positioning guides can be used between the shell and table.

Females guides (blue), attach to the vac fix shell and have a self adhesive backing. Males guides (white) are available with a self adhesive backing or with a dowel base and are attached to the treatment table.
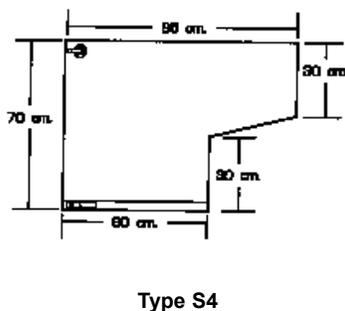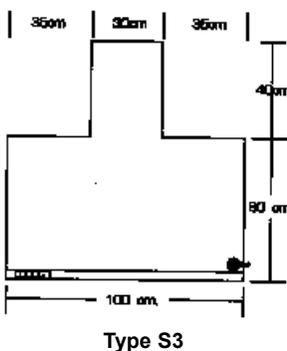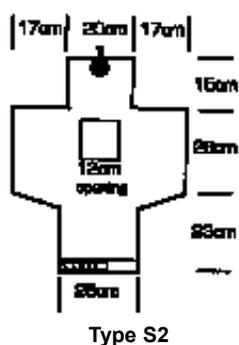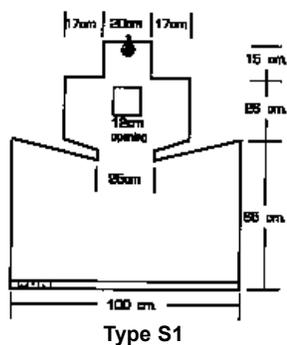
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POSITIONING & IMMOBILIZATION PRODUCTS

Item	Vac Fix Cushion	Size	Liter Fill
244-108	Extra Large	100 x 150 cm	65
244-109	Extra Large	100 x 150 cm	70*
244-110	Extra Large	100 x 150 cm	75
244-111	Large	100 x 100 cm	35
244-112	Large	100 x 100 cm	40*
244-113	Large	100 x 100 cm	45
244-114	Large	100 x 100 cm	50
244-116	Medium	70 x 100 cm	25
244-117	Medium	70 x 100 cm	30*
244-118	Medium	70 x 100 cm	35
244-119	Medium	70 x 100 cm	40
244-121	Arm/Leg	25 x 100 cm	6.5*
244-122	Arm/Leg	25 x 100 cm	7.5
244-131	Arm/Leg	25 x 50 cm	1.75
244-132	Arm/Leg	25 x 50 cm	2*
244-133	Arm/Leg	25 x 50 cm	2.25
244-140	Small	60 x 70 cm	12
244-142	Small	50 x 70 cm	12.5
244-143	Small	50 x 70 cm	15

Specify if a Gromment is needed to Hang the Cushion.　　***Suggested Liter fill for 1st order.**　　**Special sizes, shapes, and liter fill available.**

Item	Vac Fix Cushion	Size	Liter Fill
244-150	Head and Neck	Type S1	15
244-151	Head and Neck	Type S1	17.5*
244-152	Head and Neck	Type S1	20
244-153	Head and Neck	Type S1	25
244-160	Head	Type S2	3*
244-161	Head	Type S2	4
244-162	Head	Type S2	5
244-163	Head	Type S2	6
244-171	Neck and Thorax	Type S3	22.5*
244-172	Neck and Thorax	Type S3	25
244-173	Neck and Thorax	Type S3	30
244-188	Breast	Type S4	27
244-189	Breast	Type S4	30
244-190	Breast	Type S4	50

Specify if a Gromment is needed to Hang the Cushion.　　***Suggested Liter fill for 1st order.**　　**Special sizes, shapes, and liter fill available.**

Item	Accessories
244-195	VacFix Valve Clamp, 10/Pkg
244-214	Vac Fix Cushion Repair Kit, Includes enough material for approximately 12 repairs and 1 tube of Glue
244-220	Vac Fix Pump
244-230	Vac Fix Air Hose Assembly f/ use w/Hosp. Central Vac

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VACUUM CUSHION STORAGE RACK

- **Keeps molded cushion safe and clean for increased cushion life**
- **Suitable for space limited treatment areas**
- **Hooks allow for quick, easy removal and hanging**
- **Highly mobile rack can go just about anywhere**
- **Supports any size of vacuum cushion**
- **4-inch casters for easy movement over a variety of surfaces**
- **Folds flat for storage when not in use**

The hook and rod system safely stores and organizes the molded cushions, keeping them off the floor and within easy reach. The rack also ensures that the cushions remain clean and are protected from damage, thereby extending cushion life.

Specifications

Hooks: 10 per unit, steel
Dimensions: 48" (122 cm) L with two 12" (30.5 cm) extensions, 22" (56 cm) W, Height Adjustable to 55, 60, or 65" (140, 152.5, 165 cm).
Weight: 35 lb (16 kg)
Caster Set: 4" (10.2 cm), ball-bearing
Construction: Chrome-plated, one-inch steel tubing.

Item	Description
244-348	Vacuum Cushion Storage Rack
244-349	Additional Hooks, Pkg/10

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VACUUM CUSHION STORAGE SHELVING

- **Convenient storage for all sizes of vacuum cushions**
- **4 inch casters provide mobility**
- **No hooks necessary**
- **Easy to assemble**
- **Adjustable rail height and straps**

The Vacuum Cushion Storage Shelf was made to meet the need of storing the vacuum cushions used in radiation oncology departments. The shelves allow the molded cushions to be stored flat and off the floor, which prolongs the life of the cushions.

Specifications

Material: PVC and Nylon Straps
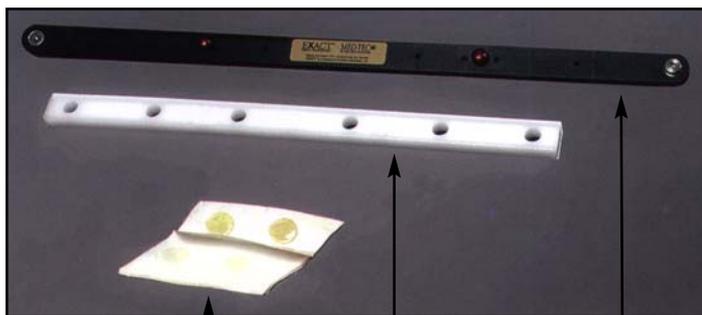**Casters:** 2" (5.08 cm) Swivel
Dimensions: 88" W x 24" D x 75" H (223.5 x 61 x 190.5 cm)

Item	Description
244-360	Vacuum Cushion Storage Shelving

EXACT ENHANCE BAR

Glue Dots   **Exact Enhance Bar**   **Varian Exact Lok Bar**

This product was designed to "ENHANCE" the EXACT BAR used with the Varian Accelerator Exact Treatment Couch. The EXACT BAR can be adapted to the vacuum bags, 2 part foam cushions, bellyboards or any number of body support cushions with the use of the Glue Dots™.

The Enhance Bar is made of high-density polyethylene material. Measurements are 1" W x 16" L and 0.5" T (2.5 x 40.6 x 1.3 cm).

There are 6 holes drilled in the enhance bar. You have the choice of centering or shifting laterally 2.75" (6.9 cm) in either direction.
• Consistent in accurate positioning
• Easier location of "EXACT Bar" and vacuum bags, foam or support cushions
• Replacement guarantee against chipping, breaking or warping.

Preparation of the EXACT Enhance Bar
1. Seat your Varian EXACT Lok-Bar or similar bar in a "notch" along the length of the couch/table top.
2. Place the EXACT Enhance Bar onto the Lok-Bar matching the "two pegs" or similar design unit.
3. Now use "Glue Dots" to adhere the EXACT Enhance Bar to your immobilization form. This is done by taking two or three "Glue Dots" and pressing the open side into the EXACT Enhance Bar. Remove the wax paper and repeat for each glue dot.
4. Place the patient immobilization form on top of the Bar/Glue Dots. When your form is completed, the EXACT Enhance Bar will be attached to your form and can easily be removed and reseated onto the Lok-Bar when needed.

The EXACT Enhance Bar can be used repeatedly. The Glue Dots are easily replaced by simply "rolling" them off the bar or form and discarding them.

Item #	Description
244-250	Exact Enhance Bar
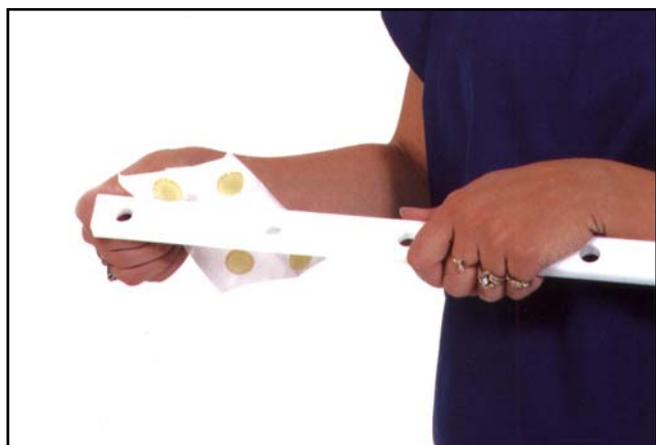
GLUE DOTS™

• **Permanent**
• **Certified AP Nontoxic**
• **FDA Compliant**

Bond instantly to most clean, dry surfaces Double-sided and pressure-sensitive bonding. Cleaner and safer than liquid glues or hot glue guns. Clear, perforated liner for easy dispensing and placement.

Item #	Description
244-256	Glue Dots, 60/Pkg

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TOTAL BODY IRRADIATION STAND

Hanger Assembly

Two Hand Grip

Back Rest

Blocking Window Assembly

Cassette Holder

Seat Height Locking Pin

Seat Rotation Clamp

495-011

495-6064

Optional Beam Spoiler

495-602

495-603

495-604

Specifications

Overall Size: 45" W x 43.25" L x 93" H (114 x 110 x 236 cm)
Platform Size: 38" W x 31" L (97 x 77 cm)
Adjustment from Floor: 3" (7.6 cm) and up in 1" (2.5 cm) increments

Item 495-600 Total Body Irradiation Stand for Photons or Electrons includes: Frame and platform, 2 adjustable seat posts, seat, 2 hand grips, back rest, cassette holder, polycarbonate block holder, tungsten pins, a block tray for the blockroom and 2 beam spoiler hanger assemblies.

Item 495-602 Total Body Irradiation Stand for Electrons includes: Frame and platform, 2 adjustable seat posts, seat, 2 hand grips, back rest and 2 beam spoiler hanger assemblies.

Optional Accessories

Item 495-6004 - TBI Chin Rest Assembly The TBI Chin Support will hold patient alignment during treatment.
Item 495-6005 - TBI Lung & Kidney Adjustable X-Y Blocking System The TBI Lung & Kidney Adjustable X-Y Blocking System allows for movement of the Blocking Tray, 3/8" Thick x 19.69" W x 25.98" H (0.762 x 50 x 66cm), in the Left/Right Direction of +/- 15cm (5.91") and in the Up/Down Direction of +/- 15cm (5.91). Both adjustments are accomplished by turning hand knobs.
Item 495-603 - Wedge Tray Flattening Filter for TBI, 6 MeV Varian III
Item 495-604 - Wedge Tray Scale for TBI Isodose Curves, Varian III Physicists will draw 90% isodose area on the tray which will project a line around patient
Item 495-6064 - Safety Harness Attaches to the top stabilizer bar and prevents a patient from falling.
Items 495-600-83 to 495-600-86 - Beam Spoiler/Beam Degrader The optional Beam Spoiler/Beam Degrader is available in 3/8" (1 cm) or 1/2" thick (1.3 cm) acrylic or polycarbonate. The beam spoiler measures 38" W x 86" L (96.5 x 218.4 cm).
Acrylic Density: 1.185 g/cc
Polycarbonate Density: 1.2 g/cc

The platform of the Total Body Stand is in the lowest position at 3" (7.6 cm) from the floor and is adjustable upward in 1" (2.5 cm) increments. This will allow centering the patient to the central axis of the beam. The platform is made of plywood covered in formica and has a mounting hole for the seat post. Long and short seat posts are included to provide maximum adjustment, in 1/4" (0.64 cm) increments, of the seat height. The seat height is determined and the seat is locked to the seat post. The seat angle is set by rotating seat post and locking when position is selected.

The Total Body Stand frame is made of 2" (5 cm) steel tubing. The frame consists of 2 "T" vertical posts and a top stabilizer bar. Holes spaced 1" (2.5 cm) apart on the vertical posts allow easy adjustment of all attachments. The top stabilizer bar and vertical "T" posts are removable for easy breakdown and storage. The stand has 4 swivel locking casters which allow easy movement and positioning.

A polycarbonate block holder can be mounted on the front of the vertical posts to support lung blocks or other shields. A stainless steel cassette holder can be mounted on the rear of the vertical posts. The back rest and hand grips can be used at any location on the vertical posts.

The polycarbonate block holder and the block tray for the blockroom have the exact same hole pattern. Tungsten pins can be inserted into the block holder as alignment markers.

Item #	Description
495-600	Total Body Irradiation Stand for Photons or Electrons
495-602	Total Body Irradiation Stand for Electrons

Item #	Optional Accessories
495-6004	TBI Chin Rest Assembly
495-6005	TBI Lung & Kidney Adjustable X-Y Blocking System
495-603	Wedge Tray Flattening Filter for TBI,6 MeV, Varian III
495-604	Wedge Tray Scale for TBI Isodose Curves, Varian III
495-6064	Safety Harness for TBI Stands

Item	Optional TBI Beam Spoiler/Degrader	Thickness
495-600-83	Acrylic	3/8" (1 cm)
495-600-84	Polycarbonate	3/8" (1 cm)
495-600-85	Acrylic	1/2" (1.3 cm)
495-600-86	Polycarbonate	1/2" (1.3 cm)
495-011	Small Mobile Beam Spoiler Frame for TBI Stands	

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ROTATIONAL TOTAL BODY IRRADIATION STAND

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Item 495-605 Rotational Total Body Irradiation Stand Includes

- Frame
- Adjustable Rotating Platform
- 2 Adjustable Seat Posts
- Seat
- Rotational Hand Rail Assembly
- Rotation Motor
- Variable Motor Speed Controller 3-7 RPM
- On/Off Rotation Remote Control Cable and Connector
- 2 Beam Spoiler Hanger Assemblies

Specifications

Overall Size: 45" W x 43.25" L x 110" H (114 x 110 x 280cm)
Platform Size: 38" W x 31" L (97 x 79 cm)
Rotating Area: 22" Diameter (56 cm)
Adjustment From Floor: 4.25" (11cm) and up in 1" (2.5 cm) increments
Rotation Speed: 3-7 RPM
Power: 120 VAC
Shipping Weight: 485 lb (221 kg)

Optional Accessories

Item 495-603 Wedge Tray Flattening Filter for TBI, 6 MeV, Varian III
Item 495-604 Wedge Tray Scale for TBI Isodose Curves, Varian III
Item 495-6066 Safety Harness
Attaches to the rotational hand rail assembly and prevents a patient from falling.
Item 495-605-83 through 495-605-96 Beam Spoiler/Beam Degrader (for 495-605 Rotational TBI Stand only)
The optional beam spoiler/beam degrader is available in 3/8" or 1/2" (0.97 or 1.27 cm) acrylic or polycarbonate. The beam spoiler measures 42" W x 96" L (106.7 x 243.8 cm). Acrylic Density: 1.185 g/cc. Polycarbonate Density: 1.2 g/cc.
Item 936-583 through 936-627 Tungsten Eye Shields with Aluminum Caps

The Rotational Total Body Irradiation Stand was designed for use when treating the total body with electrons.

The stand has an adjustable rotating platform that adjusts vertically based on the patient's height and will rotate 360°. The platform is marked in 60° increments. The adjustable rotating platform is in the lowest position at 4.5" (11.43 cm) from the floor and is adjustable upward in 1" (2.54 cm) increments. This allows centering the patient to the central axis of the beam. The rotating platform is made of Gray PVC covered with non-slip vinyl material and has a mounting hole for the seat post. The Rotation Motor attaches to the rotating platform with four (4) mounting screws and the Motor Speed Controller attaches to the vertical "T" leg. The Motor Speed Controller is variable speed and adjustable from 3 to 7 RPM with scale markings at 3, 4, 5 and 6 RPM. A slow Start-up and Slow-down is designed into the Motor Speed Controller for patient stability. A 60' On/Off Rotation Remote Control Cable with a switch allows the therapist to start and stop the platform rotation from the control area.

Long and short seat posts are included to provide maximum adjustment, in 1/4" (0.635 cm) increments, of the seat height. The seat post to be used is determined by the patient's leg inseam. The seat height is determined and the seat is locked to the seat post. The seat direction is set by rotating the seat post and locking when desired direction is selected.

The rotational hand rail assembly rotates freely with patient rotation and accommodates the optional Safety Harness (Item 495-6066).

The Rotational Total Body Stand frame is made of 2" (5.08 cm) steel tubing. The frame consists of two (2) "T" legs with casters and a top stabilizer bar. Holes spaced 1" (2.54) apart on the vertical "T" legs allow easy adjustment of the rotating platform and hand rail assembly. The beam spoiler hanger assemblies attach to the top stabilizer bar.

The Rotational TBI Stand can be taken apart easily for storage. The rotation motor is easily removable from the rotating platform by removing the four (4) mounting screws and the motor speed controller easily lifts off the vertical "T" leg. The top stabilizer bar, vertical "T" legs, adjustable rotating platform and rotational hand rail assembly are all removable for easy breakdown. The stand has 4 swivel locking casters which allow easy movement and positioning.

Item	Description
495-605	Rotational Total Body Irradiation (TBI) Stand

Item	Optional
495-603	Wedge Tray Flattening Filter for TBI, 6 MeV, Varian III
495-604	Wedge Tray Scale for TBI Isodose Curves, Varian III
495-6066	Safety Harness for Rotational TBI Stand

Item	Rotational TBI Stand Beam Spoiler	Thickness
495-605-83	Acrylic	3/8" (1 cm)
495-605-84	Polycarbonate	3/8" (1 cm)
495-605-85	Acrylic	1/2" (1.3 cm)
495-605-86	Polycarbonate	1/2" (1.3 cm)

Item	Tungsten Eye Shield with Aluminum Caps
936-583	11.6 mm Inside Dimension x 2 mm Thick
936-585	13.3 mm Inside Dimension x 2 mm Thick
936-587	15.0 mm Inside Dimension x 2 mm Thick
936-589	16.7 mm Inside Dimension x 2 mm Thick
936-591	18.4 mm Inside Dimension x 2 mm Thick
936-596	11.0 mm Inside Dimension x 3 mm Thick
936-598	12.7 mm Inside Dimension x 3 mm Thick
936-601	14.4 mm Inside Dimension x 3 mm Thick
936-623	16.1 mm Inside Dimension x 3 mm Thick
936-627	17.8 mm Inside Dimension x 3 mm Thick

WEDGE TRAY SCALES FOR TBI ISODOSE CURVES, VARIAN III

For use with Total Body Irradiation (TBI) Stands, Items 495-600 and 495-602.

The Radiation Physicist must find the projected isodose curves for their TBI Stand location.

The mapping of the isodose curves must be marked on the wall or stand covered with paper so values and lines can be seen. Use chamber or film. Record gantry angle used.
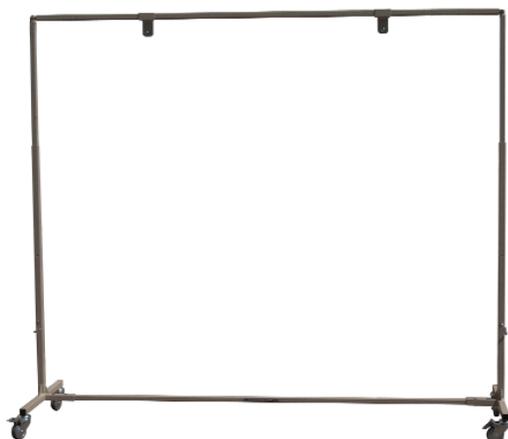
The Total Body Scale Tray is inserted in the treatment machine and rotated to the same gantry angle setting used for producing the projected isodose on the wall or stand. With a black marker, mark the demagnification on the acrylic TBI tray which will project a line around the patient.

Item	Description
495-604	Wedge Tray Scale for TBI Isodose Curves, Varian III

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BEAM SPOILER FRAME AND BEAM SPOILERS

The optional Beam Spoiler is available in acrylic or polycarbonate in 0.375" (0.95 cm) or 0.50" (1.27 cm) thickness. The beam spoiler has two key holes on both the 60" (152 cm) side and on the 84" (213.4 cm) side to allow for positioning on the frame in either direction. The key holes can also be used to hang the beam spoiler from wall hooks for storage.

Specifications
Item 495-004 Beam Spoiler Frame for TBI
Overall Size: 91.5" L x 24" W x 80.375" or 93.375" H
(232.4 x 61x 204.2 or 237.2 cm)
Finish: Durable tan textured polyurethane enamel paint

Beam Spoilers
Size: 60" x 84" (152.4 x 213.4 cm)
Acrylic Density: 1.185 g/cc
Polycarbonate Density: 1.2 g/cc

The Beam Spoiler Frame holds a beam spoiler for Total Body Irradiation. The frame is made of 1" (2.54 cm) square and 1.25" (3.18 cm) square steel tubing. The vertical legs are telescoping to allow a 13" (33 cm) vertical range of movement. Two hangers welded on the top horizontal bar are positioned to hold a beam spoiler in either the vertical or horizontal direction. The frame can support 1" (2.54 cm) thick (2 plates for Photons) weight up to 250 pounds (114 kg). Four 3" (7.62 cm) diameter swivel locking casters allow for easy movement of the Beam Spoiler. The frame can be dismantled for storage.

Item	Description
495-004	Beam Spoiler Frame for TBI

Item	Beam Spoiler	Thickness	Weight
495-005	Polycarbonate	0.375" (0.95 cm)	77 lb (35 kg)
495-006	Polycarbonate	0.50" (1.27 cm)	103 lb (47 kg)
495-007	Acrylic	0.375" (0.95 cm)	77 lb (35 kg)
495-008	Acrylic	0.50" (1.27 cm)	103 lb (47 kg)

SMALL MOBILE BEAM SPOILER FRAME FOR TBI STANDS

Optional Beam Spoiler plates are available in acrylic or polycarbonate in 0.375" (0.95 cm) or 0.50" (1.27 cm) thickness. The beam spoiler plates have 2 key holes on the 38" side for hanging. The frame can support 2 Beam Spoiler plates (Items 495-600-83, 495-600-84, 495-600-85 and 495-600-86). The key holes can also be used to hang the beam spoiler plates from wall hooks for storage.

Specifications
Item 495-011 Beam Spoiler Frame for TBI
Overall Size: 59" L x 24" W x 93.375" H (150 x 61 to 237.2 cm) not including casters
Finish: Durable tan textured polyurethane enamel paint

Beam Spoilers
Size: 38" W x 86" H (96.5 x 218.4 cm)
Acrylic Density: 1.185 g/cc
Polycarbonate Density: 1.2 g/c

The Small Mobile Beam Spoiler Frame can be used with all Total Body Irradiation stands.

The Beam Spoiler Frame will hold up to 1" (2.54 cm) of thickness beam spoiler for Total Body Irradiation. The frame is made of 1" (2.54 cm) square and 1.25" (3.18 cm) square steel tubing. The vertical legs are telescoping to allow for 94 93.375" height. Two adjustable hangers on the top horizontal bar are positioned to hold a beam spoiler in the verical direction. The frame can support up to 1" (2.54 cm) thickness of plates for Photons (2 of the 0.50" maximum). Four 3" (7.62 cm) diameter swivel locking casters allow for easy movement of the Beam Spoiler. The frame can be dismantled for storage.

Item	Description
495-011	Small Mobile Beam Spoiler Frame for TBI Stands

Item	TBI Beam Spoiler	Thickness
495-600-83	Acrylic	0.375" (0.95 cm)
495-600-84	Polycarbonate	0.375" (0.95 cm)
495-600-85	Acrylic	0.50" (1.27 cm)
495-600-86	Polycarbonate	0.50" (1.27 cm)

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SELF HOLDING BEAM SPOILER WITH FLEXIBLE ARM

The Self Holding Beam Spoiler has a flexible 18" (45.7 cm) or 24" (61 cm) arm that manually adjusts for easy use. The acrylic plate has an arm rotation lock that secures the acrylic plate to the desired position. The acrylic plate is 30 cm square x 0.25" (0.64 cm) or 0.375" (0.95 cm) thick and is mounted at the end of the flexible arm. The whole assembly attaches to the table rail with a rail clamp.

Specifications
Acrylic Density: 1.185 g/cm³

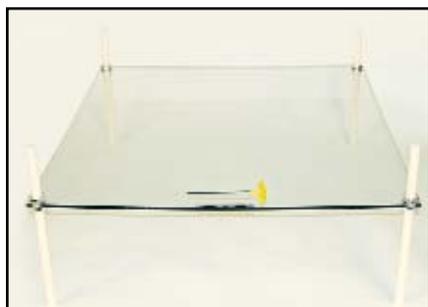| Item	Description
495-053-20	Siemens Flexible 18" Beam Spoiler
495-053-32	Varian Flexible 18" Beam Spoiler
495-053-50	Philips Flexible 18" Beam Spoiler
495-054-20	Siemens Flexible 24" Beam Spoiler
495-054-32	Varian Flexible 24" Beam Spoiler
495-054-50	Philips Flexible 24" Beam Spoiler

Customer to Specify Acrylic Thickness

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60 x 60 cm

TBI TABLE, BEAM SPOILER FOR CHILD

The TBI Table, Beam Spoiler can be used when a child needs to be placed on the floor for treatment and the beam spoiler can be placed over them. The unit is made of 0.5" (1.27 cm) thick polycarbonate, four (4) nylon legs that are secured with aluminum clamps. The Beam Spoiler is adjustable up to 60cm from the floor.

Specifications
Over all Dimensions: 48" W x 48" L (122 x122 cm), Adjustable to 60 cm high
Material: Polycarbonate, Nylon and Aluminum
Polycarbonate Density: 1.2 g/c

Item	Description
495-620	TBI Table, Beam Spoiler for Child

TBI ADJUSTABLE ANGLE BOARD

The TBI Adjustable Angle Board is designed to provide angled back support to patients that need to be on the floor when getting TBI. The board can be set at 40°, 50° or 60° angles.

Specifications
Over all Dimensions: 48" W x 95" L x 10 mm Thick (121.9 cm W x 241.3 cm L x 10 mm Thick)
Angles: 40°, 50° and 60°
Material: Polypropylene Coroplast Corrugated Sheet

Item	Description
258-800	TBI Adjustable Angle Board

Z-SYSTEM FOR PROTON THERAPY POSITIONING

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290-000 Z-Box

290-005 Z-Square

**290-000 Z-Box and
290-005 Z-Square**

290-010 Z-Board

Item 290-000

The Z-Box creates the custom mold in simulation and is removed for treatment.

- **Integral component of Z-System**
- **Ensures exactness in size and shape of foam mold**
- **Firmly secures foam mold with unique ridged feature**
- **Limits rotation and movement during patient set-up**
- **Fits universal CT and XRT table tops**
- **Simplifies foam mold making**
- **Increases reproducibility**
- **Matches any comfortable patient position**
- **Works with all body types**
- **Indexes to treatment table**
- **Holds Z-Square, foam mold and patient**
- **Simple Adjustments, maximum support**

Specifications

Size: 20" W x 40" L x 4" H (50.8 x 101.6 x 10.2 cm)
Weight: < 8 lb (3.63 kg)

Item 290-005

The Z-Square, the foundation of the Z-System, is a patient-positioning device designed specifically for applications within Proton Therapy, also precisely compatible with conventional Radiation Therapy. The Z-Square is used to index a custom treatment mold back to the table. It is lightweight, yet strong and secure. Fully carbon fiber and universal to Proton and Conventional table tops. Provides secure indexing, within 2mm, using a standard index bar. Remains completely out of the way to prevent intereference with beams in the treatment area.

- **Strong and Secure**
- **Slim Unique Universal Indexing System**
- **Allows repositioning of foam mold to within 2mm**
- **Firmly locks mold to treatment couch**
- **Uses standard index bar**
- **Can be used with expandable foam or vacuum cushions**
- **Used alone or with Z-Box**
- **Indexes to Z-Box for simulation**
- **Indexes to table for accurate treatment**
- **Ensures lock-tight mold positioning**

Specifications

Size: 10" W x 10" L x 3" H (25.4 x 25.4 x 7.62 cm)
Weight: < 2 lb (0.91 kg)

Item 290-010

The Z-Board is a Full-Body SBRT Board

- **Strong lateral support of patient molds**
- **Indexes to standard index bar on any treatment couch**
- **Superior SBRT setup using expandable foam or vacuum bag**
- **Simple setup without many attachments**
- **Less than 30 seconds preparation between patients**
- **Used with vacuum cushions**

Specifications

Size: 20" W x 40" L x 4" H (50.8 x 101.6 x 10.2 cm)
Weight: < 4 lb (1.81 kg)

Improve efficiency during simulation process

The Z-System, **which is the Z-Box and Z-Square** allows one therapist to create immobilization devices, saving time and money. The Z-System is a comprehensive solution to patient positioning and immobilization in both proton and conventional radiation therapy clinics.

- **Simple, straightforward positioning method**
- **Quick fabrication of patient immobilization**
- **Proven accuracy in treatment reproducibility**
- **Universal to all CT and XRT treatment couches**
- **Make Better Molds Faster**
- **Superior Treatment Positioning**
- **Lightning Quick Indexing**
- **Simple, Interlocking Parts**
- **Fits All Standard Treatment Tables**
- **Light & Durable Carbon Fiber**

Item	Description
290-000	Z-Box
290-005	Z-Square
290-010	Z-Board