MacroMedics

“Patient comfort is patient control”

About
MacroMedics, a Dutch company, founded on World-Cancer Day, February 4th, 2010, has grown into an international leader of innovation in patient positioning products for radiation oncology. The founding members of MacroMedics have developed products in this field for many years and played a leading role in the introduction of carbon fiber as a key material for patient positioning devices. MacroMedics continues to build on the clinical experience and technical knowledge at its core by utilizing advanced manufacturing techniques and materials to create products which meet the highest demands for rigidity and low attenuation. Drawing on various disciplines to create positive changes in the medical industry, the history of patient care has inspired us to approach innovation with a patient-centered outlook. Our motto is: patient comfort is patient control.

Our Principles
As a company we prioritize open and direct communication with radiotherapy professionals which allows us to anticipate emerging trends in radiation oncology. The focus of our design approach is to support efficient and accurate radiotherapy treatment through optimized patient positioning. To achieve this, we treat patient comfort as a crucial element in the set-up, diagnostic and treatment processes.
Our worldwide Distributors

MacroMedics is represented by a network of local distributors across numerous countries worldwide.

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DSPS – Prominent

The next generation in head, neck and shoulder immobilization.

DSPS-Prominent is the latest advancement in the renowned Double Shell Positioning system (DSPS®) product line. With its unique cantilevered frame and expansion of the treatment area to the full head, neck and shoulder region, DSPS-Prominent offers personalized comfort and high treatment accuracy.
The DSPS-Prominent MR baseplate is designed to create optimal patient positioning inside the dedicated MR Head Coil for improved imaging quality during MRI procedures as part of conventional or MR-only workflows.

The system is compatible with Philips Ingenia 1.5T/3.0T MR-RT, Ambition 1.5T MR-RT, Elition 3.0T MR-RT and Evolution 1.5T MR-RT systems.

Testimonial

“With this innovative mask system that fits into the conventional Head Coil, we expect to acquire HN images for RT planning with diagnostic image quality and great patient comfort. This will save scan time and patient burden.”

- Marielle Philippens, MD, PhD, Associate Professor, UMC Utrecht, The Netherlands
**DSPS-Prominent® Carbon Fiber**

The DSPS-Prominent Carbon Fiber product line supports uniformity of patient positioning across different imaging and treatment modalities. Alongside the DSPS-Prominent Carbon Fiber baseplate, various DSPS-Prominent Cradles are available to dock to your existing MacroMedics solutions and other common baseplate systems.

**DSPS-Prominent® Baseplate 113120**

For the available models refer to the Product List at the end of the catalogue or contact your local distributor to confirm which model you need for your existing immobilization device.

**DSPS-Prominent® Cradle 113140**

**DSPS-Prominent® Thermoplastics**

The DSPS-Prominent features the same patented and non-shrinking thermoplastics as the original DSPS line. Various models are available including open face and long-hair masks. Alongside the DSPS-Prominent head, neck and shoulder configuration, head only masks are still available.

**DSPS-Prominent® masks product list**

- 113890  DSPS-Prominent® Mask, Head Only, Open Face, Long Hair, set of 5
- 113910  DSPS-Prominent® Mask, Head Only, set of 5
- 113920  DSPS-Prominent® Mask, Head Only, Long Hair, set of 5
- 113930  DSPS-Prominent® Mask, Occipital Head Only, set of 5
- 113950  DSPS-Prominent® Mask, Long Hair, Open Face, set of 5
- 113960  DSPS-Prominent® Mask, set of 5
- 113970  DSPS-Prominent® Mask, Open Face, set of 5
- 113980  DSPS-Prominent® Mask, Long Hair, set of 5
- 113990  DSPS-Prominent® Mask, Occipital, set of 5

*Further options are available. Please contact your local distributor.*
### DSPS-Prominent® hardware product list

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>113120</td>
<td>DSPS-Prominent® baseplate, CF</td>
</tr>
<tr>
<td>113620</td>
<td>DSPS-Prominent® baseplate, MR Safe</td>
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<tr>
<td>113140</td>
<td>DSPS-Prominent® Cradle-I, for DSCP, RealEase &amp; S-Type</td>
</tr>
<tr>
<td>113150</td>
<td>DSPS-Prominent® Cradle-II, for DSCP, ExaFix</td>
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<tr>
<td>113160</td>
<td>DSPS-Prominent® Cradle-III, for CVC</td>
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<td>113170</td>
<td>DSPS-Prominent® Cradle-IV, for S-Type baseplate (original model)</td>
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<td>DSPS-Prominent® Cradle-VI, for KLA</td>
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<td>DSPS-Prominent® Cradle-V, for ExaFix-5</td>
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<td>113840</td>
<td>DSPS-Prominent® Cradle-I MR Safe, for DSCP, RealEase &amp; S-Type</td>
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<td>DSPS-Prominent® Cradle-II MR Safe, for DSCP, ExaFix</td>
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<td>DSPS-Prominent® Cradle-V MR Safe, for ExaFix-5</td>
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<td>DSPS-Prominent® Cradle-III MR Safe, for CVC</td>
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<td>113880</td>
<td>DSPS-Prominent® Cradle-IV MR Safe, for MacroMedics S-Type baseplate (original model)</td>
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#### HEAD AND NECK positioning
Single Shell Positioning System

The MacroMedics® Single Shell Positioning System offers a unique solution to increase stability for head, neck and shoulder positioning.

With the traditional thermoplastic mask systems, the mask material can become overstretched as it is stretched all around the patient’s head to the baseplate. This may result in thin material and thus a less stable patient set-up. The SSPS solution differentiates itself through a rigid, light-weight carbon fiber cradle that puts an end to mask overstretching as the mask only needs to be stretched towards the cradle rim. This creates a very compact and solid mask mould which distinctly contributes to the stability of the patient set-up. The ultra-light and extremely rigid cradle can be connected directly to the baseplate in seconds.

SSPS® Mask Types

The generation of non-shrinking thermoplastics

For our SSPS head and neck positioning systems, MacroMedics and a leading thermoplastics manufacturer have developed a new generation of ‘RayPro’ thermoplastic masks with unique and innovative properties. The RayPro material offers increased rigidity and zero shrinkage.

Head-only Masks

<table>
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<tr>
<th>Type</th>
<th>Description</th>
<th>Code 1</th>
<th>Code 2</th>
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<tr>
<td>Supine</td>
<td>Open-face supine</td>
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<td>SSPS-F</td>
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<tr>
<td>Open-face supine</td>
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<td>115810</td>
<td>SSPS-FVR</td>
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Head, Neck and Shoulder Masks

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
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<th>Code 2</th>
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<tr>
<td>ExaFix</td>
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<td>Type-O</td>
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<td>115820</td>
<td>SSPS-FSO</td>
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<td>Type-S or RealEase</td>
<td>Open-face option</td>
<td>115720</td>
<td>SSPS-FSS</td>
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<tr>
<td></td>
<td></td>
<td>115820</td>
<td>SSPS-FSVRS</td>
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2,3 mm thickness, set of 5
The MacroMedics® Double Shell Positioning System (DSPS) strikes the perfect balance among the often competing aspects of patient comfort, accuracy and patient throughput. Available in models which dock to the most common manufacturers’ head and neck baseplates, the DSPS concept is created around an ultra-light carbon fiber cradle with low attenuation.

The DSPS system consists of two masks made of special thermoplastic materials. The patented occipital mask material is rigid enough to hold the patient’s head during moulding and there is no need for an additional head support. There is full access to customize the mask around the neck and occipital bones. The facial mask is not overstretched and therefore extremely rigid. Both masks do not shrink resulting in a comfortable set-up for the patient.

The advanced double shell design enables the clinician to achieve high precision positioning for stereotactic cases, creating a new standard of accuracy in frameless stereotactic radiosurgery. DSPS is a patented product of MacroMedics.

**DSPS® offers three treatment solutions**

<table>
<thead>
<tr>
<th>DSPS® Environ</th>
<th>DSPS® Prone</th>
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**Accuracy of DSPS® head only set-up**

**Interfractional movement / Set-up correction**

<table>
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<tr>
<th>Lat (mm)</th>
<th>Lng (mm)</th>
<th>Vrt (mm)</th>
<th>Pitch (°)</th>
<th>Rtn (°)</th>
<th>Roll (°)</th>
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<td>0.3</td>
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**Intrafractional movement**

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<td>0.1</td>
<td>0.0</td>
<td>0.0</td>
<td>0.1</td>
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<tr>
<td>Σ</td>
<td>0.2</td>
<td>0.1</td>
<td>0.0</td>
<td>0.1</td>
<td>0.2</td>
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<tr>
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<td>0.5</td>
<td>0.2</td>
<td>0.1</td>
<td>0.1</td>
<td>0.3</td>
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Data with courtesy to the MAASTRO Clinic, University Medical Center Maastricht, The Netherlands

**DSPS Mask dosimetric properties**

The Performance Specifications are for reference only, values may vary based on the set-up and the equipment used.

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Energy</th>
<th>Skin Buildup (mm H2O EQ)</th>
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<tr>
<td></td>
<td>6 MV</td>
<td>15 MV</td>
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<tr>
<td>DSPS Facial mask (RayPro)</td>
<td>3.27%</td>
<td>2.58%</td>
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<td>DSPS Occipital mask (RayOc)</td>
<td>3.90%</td>
<td>3.24%</td>
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<tr>
<td>DSPS Mask Profiles</td>
<td>7.61%</td>
<td>6.16%</td>
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</table>
**DPS® Mask Types**
A new generation of non-shrinking thermoplastics

**Head Only Masks**

- **Supine**
- **Long hair**
- **Open face**
- **Prone**
- **Environ**

2,3 mm thickness, set of 5

- DPS® Mask set supine head only
  - 14510  DPS-FOS
- DPS® Mask set supine head only, for long hair
  - 14560  DPS-FOSL
- DPS® Mask set prone head only
  - 14430  DPS-FOP
- DPS® Mask set supine head only, open face
  - 144410  DPS-FOSVR
- DPS® Mask set supine head only, open face, for long hair
  - 144460  DPS-FOSVRL
- DPS® Mask set supine Environ head only
  - 14750  DPS-FOSERV
- DPS® Mask set supine head only, Environ open face
  - 14760  DPS-FOSERV

**Head, Neck and Shoulder Masks**

- **ExaFix**
- **Type-O**
- **Type-S or RealEase**
- **Open face**

2,3 mm thickness, set of 5

- DPS® Mask set for ExaFix supine head and shoulder
  - 14520  DPS-FSOS
- DPS® Mask set for ExaFix supine head and shoulder for long hair
  - 14570  DPS-FSOSL
- DPS® Mask set Type-O supine head and shoulder
  - 14620  DPS-FOSO
- DPS® Mask set Type-O supine head and shoulder for long hair
  - 14670  DPS-FOSOL
- DPS® Mask set Type-S or RealEase supine head and shoulder
  - 14320  DPS-FOSSS
- DPS® Mask set Type-S or RealEase supine head and shoulder for long hair
  - 14370  DPS-FOSSSL
- DPS® Mask set supine, open face, head and shoulder, S-profiles
  - 14420  DPS-FOSVRS
- DPS® Mask set supine, open face, head and shoulder for long hair, S-profiles
  - 14470  DPS-FOSVRSL

**MacroCast®**
Thermoplastic Masks

MacroCast is a proven thermoplastic material, offering high rigidity, low shrinkage and near transparency while processing the material. MacroCast is available in different perforations, coatings and shapes, with and without L-profiles attached. The most common types are listed below. Additional shapes are available, please check with us on details.

Possible mask material perforation types:

- Fine perforation
- Fine perforation - comfort
- No perforation

*S-Type MacroCast also offers standard perforation and selective perforation.
Mask product list

RealEase profile masks

2.3 mm mask thickness, set of 10

- MacroCast fine perfo, 3-precut, RealEase profiles 359530 REMCF-3
- MacroCast fine perfo, comfort, 3-precut, RealEase profiles 357530 REMCFC-3
- MacroCast non perfo, 3-precut, RealEase profiles 359730 REMCN-3
- MacroCast fine perfo, 4-precut, RealEase profiles 359540 REMCF-4
- MacroCast fine perfo, comfort, 4-precut, RealEase profiles 357540 REMCFC-4
- MacroCast non perfo, 4-precut, RealEase profiles 359740 REMCN-4
- MacroCast fine perfo, 5-precut, RealEase profiles 359550 REMCF-5
- MacroCast fine perfo, comfort, 5-precut, RealEase profiles 357550 REMCFC-5
- MacroCast non perfo, 5-precut, RealEase profiles 359750 REMCN-5

ExaFix profile masks

2.3 mm mask thickness, set of 10

- MacroCast fine perfo, 3-precut, L-profiles 119530 LMCF-3
- MacroCast fine perfo, comfort, 3-precut, L-profiles 117530 LMCFC-3
- MacroCast non perfo, 3-precut, L-profiles 119730 LMCN-3
- MacroCast fine perfo, 4-precut, L-profiles 119540 LMCF-4
- MacroCast fine perfo, comfort, 4-precut, L-profiles 117540 LMCFC-4
- MacroCast non perfo, 4-precut, L-profiles 119740 LMCN-4
- MacroCast fine perfo, 5-precut, L-profiles 119550 LMCF-5
- MacroCast fine perfo, comfort, 5-precut, L-profiles 117550 LMCFC-5
- MacroCast non perfo, 5-precut, L-profiles 119750 LMCN-5

S-Type profile masks

2.3 mm mask thickness, set of 10

- S-Type mask, Premium, standard perforation, head only 364110 TSS-HO
- S-Type mask, Premium, standard perforation, head, neck & shoulders 364410 TSS-HNS
- S-Type mask, Premium, selective perforation, head only 364330 TSRP-HO
- S-Type mask, Premium, selective perforation, head, neck & shoulders 364430 TSRP-HNS

3 mm mask thickness, set of 10

- U-Frame mask, multi perforation 377450 TUS3
- U-Frame mask, multi perforation, wide 377550 TUSW3
- U-Frame mask, multi perforation, neck extension 377480 TUNES3
- U-Frame mask, selective perforation 374340 TURS

O-profile masks

2.3 mm, set of 10

- MacroCast fine perfo, 3-precut, O-profiles 29530 OLMCF-3
- MacroCast fine perfo, comfort, 3-precut, O-profiles 127530 OLMCFC-3
- MacroCast non perfo, 3-precut, O-profiles 119730 OLMCN-3
- MacroCast fine perfo, 4-precut, O-profiles 129540 OLMCF-4
- MacroCast fine perfo, comfort, 4-precut, O-profiles 127540 OLMCFC-4
- MacroCast non perfo, 4-precut, O-profiles 119740 OLMCN-4
- MacroCast fine perfo, 5-precut, O-profiles 129550 OLMCF-5
- MacroCast fine perfo, comfort, 5-precut, O-profiles 127550 OLMCFC-5
- MacroCast non perfo, 5-precut, O-profiles 119750 OLMCN-5

U-frame masks

2.3 mm mask thickness, set of 10

- U-Frame mask, standard perforation 376410 TUSS
- U-Frame mask, standard perforation, wide 376510 TUSSW
- U-Frame mask, standard perforation, neck extension 376480 TUNES
- U-Frame mask, selective perforation 374340 TURS

S-Type mask, multi perforation, head only 363150 TSMP3-HO
- S-Type mask, Premium, multi perforation, head & neck & shoulders 363450 TSMP3-HNS
- S-Type mask, Premium, selective perforation, head only 363130 TSRP3-HO
- S-Type mask, Premium, selective perforation, head & neck & shoulders 363430 TSRP3-HNS
- S-Type mask, Premium, non perfo, head only 367110 TSNP3-HO
- S-Type mask, Premium, 3 mm, non perfo, head & neck & shoulders 367410 TSNP3-HNS
Head, Neck & Shoulder

Baseplates

The new HNS baseplate

The new MacroMedics® Head, Neck and Shoulder baseplate is available in RealEase configuration. Handgrips may be optionally attached to the baseplates to allow the patient’s shoulders to be brought out of the treatment area as much as possible.

ExaFix baseplates

MacroMedics® ExaFix baseplates have a compact design. The ExaFix-3 baseplate is designed for head positioning, whilst the ExaFix-5 baseplate is designed for head, neck and shoulder positioning. Acrylic MR safe versions and pediatric versions of the ExaFix baseplate are available. All ExaFix baseplates can be indexed to the couchtop with a couchstrip.

IMRT Baseplates

IMRT baseplate

IMRT - Intensity Modulated Radiation Therapy - requires reliable and accurate high precision patient set-up. MacroMedics® offers IMRT baseplates specifically designed to support these requirements. The cantilevered design offers a '360 degrees angle of freedom' around the region of interest. The IMRT baseplates are available for ExaFix mask systems. They are fit for several types of treatment couches as well as for CT, PET-CT and MR. Please check with us for an overview of available models.

Features

• Support better target coverage
• Easily hooked onto cranial end of treatment couch
• Uniformity on all treatment modalities
• An MR Safe version is available

Tilting Baseplates

Tilting baseplates are available for RealEase, S-Type and ExaFix mask systems. They can be quickly attached onto head and neck baseplates and offer angulation of up to 25° or 35° in five or six steps. Tilting baseplates allow for less overstretching of masks as sometimes seen with wedges or blocks, creating a more stable mask that benefits repositioning.
The MacroMedics® MaxSupport head supports provide stable and comfortable support during treatment in the head and neck region. The foam MaxSupports are covered with a coating for easy cleaning. The widened MaxSupports nicely fit and support the patient’s head and offer extra stability on the lateral sides of the head as well as in the neck area. MaxSupports are made of low density foam to ensure low attenuation. There are special versions of MaxSupports designed for prone positioning and pediatrics. All foam MaxSupports are MR Safe.

For situations in which extra stability and reproducibility is desired, MacroMedics has developed two sets of carbon fiber MaxSupports. These head supports consist of a very thin layer of carbon fiber combined with low density foam for low attenuation. For special treatment requirements, low attenuation carbon fiber elevation blocks and wedges are available in various heights and angles.

### Smooth coated MaxSupports™
- **Absorption factor:** 6MV = 3.6%, 10MV = 2.8%
- **Skin buildup (mm H2O EQ):** 8
- **Material:** PUR Foam

### MaxSupports™, widened
- **Absorption factor:** 6MV = 0.4%, 10MV = 0.2%
- **Skin buildup (mm H2O EQ):** 1.55
- **Material:** PE Foam

### MaxSupports™ Carbon Fiber
- **Absorption factor:** 6MV = 1.1%, 10MV = 0.9%
- **Skin buildup (mm H2O EQ):** 3.05
- **Material:** Carbon Fiber (also available in glass fiber)

### MaxSupports™ S-Line Carbon Fiber
- **Absorption factor:** 6MV = 1.1%, 10MV = 0.9%
- **Skin buildup (mm H2O EQ):** 3.05
- **Material:** Carbon Fiber (also available in glass fiber)

### Carbon Fiber wedges
- **Wedge 1:** 5° of elevation
- **Wedge 2:** 10° of elevation
- **Wedge 3:** 15° of elevation

### Carbon Fiber blocks
- **Block Low**
- **Block High**

### MaxSupport™ Pediatric
- **Material:** EVA Foam

### MaxSupport™ Prone
- **Material:** EVA Foam
MacroMedics® offers a unique and innovative approach to Disease Specific Care dedicated to standard as well as high precision radiotherapy treatment such as hypofractionation and arc therapy.

With only lightweight accessories to attach, there is no longer a need to lift heavy, bulky positioning boards on and off the treatment table. The quick accessory attachment results in reduced set-up times and a significant optimization of the workflow for everyday as well as high precision treatment. This makes the Disease Specific Care Platform packages excellent products of choice.
New to the Disease Specific Care Platform portfolio is the OmniBoard 3.0. Throughout the previous years, the OmniBoard has become a very popular product in the MacroMedics® product range as our customers value its infinite possibilities for patient set-ups for various disease sites. The OmniBoard 3.0 offers various new features:

- Now Eagleboard™-2 compatible
- More durable PEEK inserts
- Central inserts have been removed. This reduces inhomogeneous areas to support improved imaging and treatment quality.
- Works with a new sliding bottomstop that can be secured at any desired position
- Cutout for camera pole which enables comfortable use in in-bore Linacs. Validated with 3rd-party machines.

The MacroMedics® OmniBoard™ All-In-One patient positioning system is the only all-in-one solution designed specifically with therapists in mind to optimize the things they care about most:

**Efficiency**
- Transition efficiency / speed
- Cost efficiency - eliminate redundant purchases
- Storage efficiency

**Reproducibility**
- Set-up sheets
- Indexed set-up modules

**Versatility**
- All-In-One solution
- Modular components - eliminates redundancies

**Safety**
- Eliminates need to lift heavy, stand-alone set-up boards
Configure your OmniBoard™ 3.0

1. Select a type of thermoplastic mask system
   - RealEase
   - ExaFix
   - S-Type

2. Select a type of breast treatment module
   - Breast Treatment Module LX™
   - Breast Treatment Module SX™
   - Breast Treatment Module EX with EagleBoard™-2
   - Stand-alone EagleBoard™

3. Select a type of upper arm support
   - Rigid upper arm support
   - Height adjustable upper arm support

4. Select a type of KneeSupport
   - KneeSupport™ plastic
   - KneeSupport™ foam

5. Select a type of FeetSupport
   - Fixed FeetSupport™
   - Rotatable FeetSupport™

Please note
Additional accessories, as shown on DSCP Accessories pages 42 & 43 can be added to complete your configuration. Please select the couchstrips separately as various options are available for these products, see more information on page 59.

MacroMedics® and our distributors will be pleased to offer further advice on the best configuration for your needs such as the addition of the SRS or SBRT package. A HexaPod version of the OmniBoard is available.
The different possible OmniBoard™ set-ups for various patient treatment sites:

- Head, neck & shoulder
- Breast
- Intracranial head only
- Prostate
- SRS
- Abdominal
- Lung
- SBRT
First to introduce is the MacroMedics’ OmniCouch. This versatile baseplate is the latest addition to the MacroMedics Disease Specific Care Platform (DCPS). The OmniCouch differentiates itself through a unique sliding mechanism that offers an optimized travel range through displacement in the longitudinal position. This innovative solution allows patients to be positioned for most common treatments without the necessity of changing modules for adjusting the table length.

The OmniCouch is a complete all-in-one solution with a wide range of accessories available to provide optimized set-ups for various disease sites. Due to the modularity of the system and the light-weight accessories, the OmniCouch can be set-up quickly for the next patient, supporting an efficient workflow.

**Dosimetric properties**

The Performance Specifications are for reference only, values may vary based on the set-up and the equipment used.

<table>
<thead>
<tr>
<th>Gantry</th>
<th>Energy</th>
<th>6 MV</th>
<th>15 MV</th>
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<td>3.27%</td>
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<tr>
<td>210</td>
<td>3.90%</td>
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<tr>
<td>240</td>
<td>7.61%</td>
<td>6.16%</td>
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</table>

**Uniform patient set-up on all modalities**

The OmniCouch provides uniformity to your department by offering the same set-up on CT, PET-CT and linac. This allows for a smooth treatment and provides the flexibility of transferring the patient to another room in case of machine downtimes.

**Extended travel range**

The OmniCouch is a ‘one-piece couchtop’ that can be displaced longitudinally with a high-end mechanical sliding system, offering an optimized travel range for various treatment areas.

With an effortless displacement between the two discrete longitudinal positions, the OmniCouch is able to be customized for the required treatment setting.
OmniCouch™ set-ups for various patient treatment sites
The MultiBoard is a cost-effective, “All in One” patient positioning solution. The modular accessories offer a vast range of different set-up options for adults and pediatrics. They allow a quick transition from one set-up to another, supporting an efficient workflow in the department.
**FluxBoard™**

**Disease Specific Care Platform**

The MacroMedics® FluxBoard is a fully individually-adjustable solution that has been designed specifically for the MRIdian® system to optimize the patient positioning area. It extends the length available for patient positioning, ensuring that also tall patients can be positioned comfortably. The shape of the FluxBoard and its accessories are optimized for coil placement. The FluxBoard allows you to make the most out of the treatment possibilities that the MRIdian® system is offering you.

A head and neck module is now available, offering the comfort and accuracy of our Double Shell masks combined with dedicated coil positioning.

---

**EAMIS Lite™**

**Disease Specific Care Platform**

The EAMIS Lite is an extremely compact and lightweight rail system for the Disease Specific Care Platform that offers various set-up possibilities for high precision stereotactic treatments. It is a great solution for SBRT treatments of lung and thorax, liver and lower abdomen.

**Features:**
- Extremely compact and lightweight
- Easy handling
- Easy attachment of SBRT Secure Arches
- Respiratory suppression plate to minimize respiratory motion
- Abdominal vacuum cushion to further stabilize set-up
- Indexable
- A version for use in the MR environment is available
## DSCP Accessories

**Disease Specific Care Platform**

### SBRT Secure Arches
- Secure Arch, size XS: 123700 SSA-XS
- Secure Arch, size S: 123600 SSA-S
- Secure Arch, size M: 123500 SSA-M
- Secure Arch, size L: 123400 SSA-L

### Abdominal Vacuum Cushion
- Abdominal vacuum cushion, size S: 123530 EA-VS
- Abdominal vacuum cushion, size XL: 123470 EA-VXL

### Respiratory Suppression Plate
- Respiratory Suppression Plate for SBRT Secure Arches, size S: 123450 EA-BPPS
- Respiratory Suppression Plate for SBRT Secure Arches, size L: 123540 EA-BPPL

### Arm Supports
- Rigid upper arm support, set of 2: 125300 UTB-RAS
- Height adjustable arm support with flexible high armcup fit for OmniBoard™, MultiBoard™, BreastBoard™ SX, set of 2: 125320 DSCP-AAS

### Handgrips
- Handgrips for shoulder retraction, set of 2: 126280 DSCP-HG

### MaxSupport™ Extender
- MaxSupport™ Extender: 121180 HS-EX

### Arm Supports
- Height adjustable arm support with flexible high armcup fit for OmniBoard™, MultiBoard™, BreastBoard™ SX, set of 2: 125320 DSCP-AAS
BREAST AND THORAX
FlexBoard™

Breast and Thorax

The FlexBoard baseplate can host multiple types of breast treatment modules: Breast Treatment Module EX, SX and LX. The EagleBoard-2 can further be utilized with the Breast Treatment Module EX to create a brand new set-up for breast and lung treatment.

FlexBoard™
The FlexBoard is a lightweight baseplate with a locking system specially designed to host multiple types of breast treatment modules such as the SX, LX and EX. The FlexBoard baseplate is the solution for flexible and modular breast treatment.

Breast Treatment Module EX
The Breast Treatment Module EX is the latest innovation in a series of interchangeable breast treatment modules. It is specifically designed to host the EagleBoard-2.

EagleBoard™-2
The EagleBoard-2 can be attached to the Breast treatment module EX or can be utilized as a stand-alone product with the use of a couchstrip. The EagleBoard-2 can be used with a variety of accessories and features, such as an adaptor for mask fixation, an M-grip, removable vacuum cushion position knobs and a U-shaped vacuum cushion.
Configure your FlexBoard with:

- **Breast Treatment Module SX**
  Very similar to our established BreastBoard SX (p.50).

- **Breast Treatment Module EX**
  The latest innovation in the series of interchangeable breast treatment modules. It is specifically designed to host the EagleBoard-2.

- **Breast Treatment Module LX**
  Very similar to our successful stand-alone BreastBoard LX (p.50). It offers various adjustment possibilities for positioning the arms and head.

**ThoraxSupport™**

**Breast and Thorax**

The ThoraxSupport is a unique thorax positioning system with maximum focus on treatment set-up, homogeneity, efficiency and patient comfort. It offers versatile and flexible solutions to keep the patient’s arms out of the treatment area. A short version of the ThoraxSupport is available.

**Features:**
- Stable and easy to adjust arm supports
- Adjustable head support
- Contoured lumbar area for patient comfort
- Compatible with MacroCast® thorax thermoplastics
- Indexable
- A version for use in the MR environment is available
The BreastBoard SX is the elementary model of the MacroMedics® breast treatment line. It is a cost-effective and modern solution: an ergonomic breast treatment device securing reproducible day to day patient set-up.

BreastBoard SX
The BreastBoard SX is the elementary model of the MacroMedics® breast treatment line. It is a cost-effective and modern solution: an ergonomic breast treatment device securing reproducible day to day patient set-up.

BreastBoard LX
The BreastBoard LX is the MacroMedics premium, stand-alone breastboard. The stable, easy to adjust arm supports on the BreastBoard LX address many of the adjustment challenges presented by other breast board arm supports, providing quick, customizable set-ups for patient comfort. The BreastBoard LX further addresses common patient comfort issues by incorporating a contoured lumbar area and an optional bottomstop adapter for shorter patients.

Breast and Thorax

The MacroMedics® Breast treatment line includes the BreastBoard SX and LX. These boards have a straightforward design for quick, easy and efficient patient set-up. Utilizing a coreless, single carbon fiber layer for low attenuation, the BreastBoards provide an IGRT treatment zone with maximal homogeneity, rigidity and stability.

EagleBoard TM
The MacroMedics® EagleBoard offers quick and easy patient set-up for the treatment of breast, lung and thorax. A variety of indexed supports and grips for head and arms ensure comfortable as well as reproducible set-up for treatments. The EagleBoard provides full support of the upper arms, reducing the need for additional devices such as vacuum cushions. The tapered design for maximum CT bore clearance and the use of MR Safe materials make the EagleBoard an ideal choice for all imaging modalities. The EagleBoard is a compact, light-weight and cost-effective solution for quick and comfortable patient positioning.

EagleBoard-2
The EagleBoard-2 can be attached to the Breast treatment module EX or can be utilized as a stand-alone product with the use of a couchstrip. The EagleBoard-2 can be used with a variety of accessories and features, such as: an adaptor for mask fixation, an M-grip, removable vacuum cushion position knobs and a U-shaped vacuum cushion. An MR version is also available.
KneeSupport™
Pelvis, Abdomen and Extremities

KneeSupports are used to raise the patient’s legs, flattening the lumbar spine to support a comfortable position for the patient. MacroMedics offers three different types of KneeSupports:
• A lightweight foam version with a smooth coating for easy cleaning.
• A durable plastic version with an integrated handgrip.
• A low plastic version for paediatric, small or elderly patients.

All KneeSupports can be indexed directly onto the couchtop and can be placed in four different positions. To further lift the knees of tall patients or patients with greater spine curvature, KneeSupport LiftBlocks can be placed underneath the KneeSupports, offering an additional elevation of 5 cm.

FeetSupport™
Pelvis, Abdomen and Extremities

When lying in a relaxed position, feet naturally point outward. The FeetSupport allows the patient’s feet to be placed in this natural position for comfort and to support the stability of patient set-up. The FeetSupport cushions have a smooth coating for easy cleaning. There are two types of FeetSupport:
• Fixed FeetSupport which holds the feet at a set angle.
• Rotatable FeetSupport which allows the feet to be positioned at four different indexed angles.
**LEPS™**

**Pelvis, Abdomen and Extremities**

The MacroMedics® Lower Extremity Positioning System (LEPS) is a modular solution that supports the comfortable positioning of the patient’s pelvic region and lower extremities. The system consists of a lightweight baseplate which provides indexed positions for the KneeSupport™, LiftBlock™ and FeetSupport™. The system can be upgraded with an optional shoulder retractor.

**LEPS Short**

The compact short version of the LEPS baseplate allows indexing of the FeetSupport in small increments. It can be used, for example, in combination with the MultiBoard™ or BreastBoard™.

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**Pelvic Prone Board™**

**Pelvis, Abdomen and Extremities**

The MacroMedics® Pelvic Prone Board is an anatomically shaped prone positioning device for patients undergoing treatment in the pelvic region. It offers a patient friendly, comfortable design. An optional indexed Pron Pillo helps to further increase patient support and set-up reproducibility. The Pelvic Prone Board is lightweight, rigid and indexable. The region of interest (R.O.I.) consists of a specifically designed low attenuation carbon fiber sandwich construction with optimized dosimetric properties to allow for the use of “arc” techniques. With the Pelvic Prone Board, it is possible to obtain a significant reduction of the irradiated small bowel volume.

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*Images and descriptions of the LEPS and Pelvic Prone Board are also included in the text.*
**Lex-Ultra™**

Pelvis, Abdomen and Extremities

The LEX-Ultra is a user friendly solution that provides support in positioning the lower extremities. The LEX-Ultra is designed to create unobstructed radiation beam access in the region of interest (R.O.I.) and allows the unaffected extremity to be positioned outside of the treatment area. The low density baseplate in combination with carbon fiber elements in the lower leg region provides an adjustable, flexible and easy to use support that enables optimal positioning of the treated extremity.

Features:
- Indexable
- A lightweight baseplate
- Individual leg supports, height-adjustable in 6 indexed positions
- An MR Safe version is available
- Optional middle block to position upper legs
- Integrated fixation points for various thermoplastic masks

**UniqFix™**

Pelvis, Abdomen and Extremities

The UniqFix is a multifunctional carbon fiber baseplate, offering countless possibilities for the positioning of extremities. Dedicated thermoplastic mask shapes have been designed for positioning of arms, hands, legs and feet in straight or bent position. The UniqFix can be indexed on the couchtop in two perpendicular directions, allowing for arm positioning to be extended from the couchtop.

Features:
- Multifunctional baseplate
- Various thermoplastics available for extremity positioning
- Indexable
- An MR Safe version is available
To overcome the problems caused by the difference in geometry between concave scanner couchtops and flat simulator and linear accelerator couchtops, MacroMedics® offers lightweight removable couchtops for various types of scanners. All MacroMedics couchtops simply lock onto the cradle of the scanner with a clamping mechanism which allows the couchtop to be easily removed at any time. As all carbon fiber MacroMedics products, the diagnostic couchtops are developed and produced with state of the art 3-D molding and production techniques. Different indexing options are available.

**CouchTops™**

**Exact™**
- 147960 Exact CouchStrip Fixed 530, CF
- 147950 Exact CouchStrip Fixed 500, CF
- 147930 Exact CouchStrip Fixed 530, GF for MR
- 147250 Exact CouchStrip Transverse 530, CF

**Ibeam™**
- 147110 Ibeam CouchStrip Fixed 530, CF
- 147350 Ibeam CouchStrip Transverse 530, CF

**Sliding**
- 147130 CouchStrip Fixed 530, Sliding sidepieces, CF
- 147140 CouchStrip Fixed 500, Sliding sidepieces, CF
- 147150 CouchStrip Fixed 530, Sliding sidepieces, GF for MR
- 147230 CouchStrip Transverse 530, Sliding sidepieces, CF

**DSPS-Prominent®**
- 147415 CouchStrip Fixed 530 Prominent

**VCPS**
- 155870 Vacuum cushion positioning strip, CF
- 155950 Vacuum cushion positioning strip, GF for MR

**Prodigy Mini**
- 147170 Prodigy Mini CouchStrip Fixed 530, CF
- 147270 Prodigy Mini CouchStrip Transverse 530, CF
**Vacuum Cushions™**

**Miscellaneous**

MacroMedics® vacuum cushions are manufactured from durable and easy to clean materials. The vacuum cushions can be easily indexed on the couchtop with a carbon fiber vacuum cushion positioning strip. The available dual function pump offers a wireless hand or foot remote control for quick adjustment during moulding and can be carried easily as it is compact and battery operated.

**Features:**
- Durable, high quality polyamide
- Radiotranslucence
- Cost-effective
- Suitable for use in the MR environment
- Adapters available for pumps with CPC connector

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**M-Cushions™**

The M-Cushion is a self-contained single patient positioning cushion. This polyurethane fully sealed foam cushion molds around the patient after activation of the internal components. It maintains its formed shape during all sessions of radiotherapy treatment, enabling reproducibility of patient positioning. The M-Cushion is available in many shapes and sizes.

---

**Body support cushions**

- **T3009 Total Body**
  - 200 cm
  - 70 cm

- **T3001/L Body**
  - 110 cm
  - 70 cm

- **T3004 Leg**
  - 50 cm
  - 30 cm

- **T3003 Arm**
  - 90 cm
  - 55 cm

- **T3006 Limb**
  - 70 cm
  - 40 cm

---

**Head and neck cushions**

- **T3010/XS Neck**
  - 25 cm
  - 20 cm

- **T3010/S Neck**
  - 30 cm
  - 22 cm

- **T3010/M Neck**
  - 35 cm
  - 25 cm

- **T3005/M Cervical**
  - 40 cm
  - 35 cm

- **T3007/P Skull Spinal Axis**
  - 20 cm
  - 30 cm
Bolus

Miscellaneous

BOLX is a flexible, homogeneous bolus material that conforms nicely to the patient’s anatomical contours. It is made from a tissue-equivalent gel with a density of 1.03 g/cm³. It is available in various sizes and thicknesses and can be cut with a pair of scissors. BOLX can be built up in layers when required to obtain the desired build-up thickness. It is calibrated with photons and electrons and is 100% latex-free. MacroMedics® also offers thermoplastic bolus which can be custom-moulded to the patient’s anatomy.

Thermoplastic bolus properties:

<table>
<thead>
<tr>
<th>Thickness</th>
<th>3.2mm (0.126&quot;&quot;) or 4.8mm (0.189&quot;)</th>
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<tbody>
<tr>
<td>Colour</td>
<td>Orange</td>
</tr>
<tr>
<td>Waterbath temperature</td>
<td>65-70°C (140-158°F)</td>
</tr>
<tr>
<td>Time in the waterbath</td>
<td>2-3 minutes</td>
</tr>
<tr>
<td>Indication for attenuation</td>
<td>0.5% absorption per mm Bolus at 6MV</td>
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<tr>
<td></td>
<td>0.35% absorption per mm bolus at 10MV</td>
</tr>
</tbody>
</table>

MacroBath™ and Oven

Waterbath & Oven

The new design of the robust, corrosion-resistant, stainless steel MacroBath water bath type 4 perfectly accommodates MacroMedics® thermoplastic materials, including the larger DSPS-Prominent® masks. The MacroBath is electronically controlled and digitally adjustable, ensuring optimal conditions for heating thermoplastics. The innovative folding, hinged lid comes equipped with insulated handles, allowing for easy access to open and close the water bath effortlessly. The MacroBath Water Bath Type 4 features an antibacterial paint finish that enhances hygiene.

MacroMedics WaterBath

New

MacroBath 4
External dimensions: 700w x 610d x 174h mm (27.5 x 24 x 6.8")
(incl. handgrips)
Internal dimensions: 665w x 575d x 80h mm (26.2 x 22.6 x 3.1")
Temperature Range Ambient 5°C - 80°C (41°F - 176°F)

MacroMedics Convection Oven

The convection oven softens thermoplastic materials used for fixation in radiation therapy to its optimal elasticity with safe, dry heat. The MacroMedics convection Oven meets today’s need for universal precautions to reduce cross-contamination during patient care.

MacroMedics WaterBath

New

MacroBath 4
External dimensions: 790w x 640d x 130h mm (31 x 25 x 5")
Internal dimensions: 660w x 510d x 58h mm (26 x 20 x 2.3")
MR imaging is becoming increasingly important in radiotherapy. MacroMedics® has developed a whole range of MR Safe and MR Conditional products for various treatment areas that provide the same product settings between diagnostic and treatment modalities.

DSPS® and SSPS® cradles are available in MR Safe versions. A few samples of our product range for MR imaging are shown below, please check with your distributor for the full range available.

- MaxSupports, MR Safe
- Elevation blocks, MR Safe
- Wedges, MR Safe
- DSPS cradle, MR Safe
- EagleBoard, MR Safe
- ThoraxSupport Short, MR Conditional
- Exatilt, MR Safe
- Pelvic Prone Board, MR Safe
- LEPS, MR Conditional
# Product List

This product list is not exhaustive. Contact your distributor for a full list.

## Head & Neck

### DSPS-Prominent®
See page 12 for the product codes of the DSPS-Prominent baseplates and cradles.

### SSPS® Cradles

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>SSPS Cradle standard, for type-I baseplate</td>
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<td>111110</td>
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<tr>
<td>SSPS Cradle standard, for RealEase systems</td>
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<td>111120</td>
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<tr>
<td>SSPS Cradle standard, for S-Type baseplate</td>
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<td>SSPS Cradle standard, for ExaFix systems</td>
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<tr>
<td>SSPS Cradle standard, Type-O</td>
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<td>111600</td>
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<tr>
<td>SSPS Cradle standard, Type-U</td>
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</table>

MR Safe versions of SSPS cradles are available. Please contact your distributor for further information.

### DSPS® Cradles

<table>
<thead>
<tr>
<th>Product Description</th>
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<tbody>
<tr>
<td>DSPS Cradle Type-B, High</td>
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### RealEase HNS Baseplate

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<td>RealEase HNS Baseplate</td>
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<tr>
<td>RealEase HNS Baseplate MR</td>
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<tr>
<td>Handgrips for shoulder retraction for use with HNS Baseplate, set of 2</td>
<td>111730</td>
<td>HG-HNS</td>
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<tr>
<td>Handgrips for shoulder retraction for use with HNS Baseplate, MR safe, set of 2</td>
<td>111830</td>
<td>HG-HN5M</td>
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<tr>
<td>HeadTilt for RealEase systems, 25 degrees</td>
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<td>HeadTilt for RealEase systems, 25 degrees, MR Safe</td>
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### S-Type baseplate Systems

<table>
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<tr>
<th>Product Description</th>
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<td>S-Type baseplate, 2P</td>
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<td>S-Type baseplate, MR Safe, 3P</td>
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<td>HeadTilt for S-Type systems, 25 degrees</td>
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<tr>
<td>HeadTilt for S-Type systems, 25 degrees, MR Safe</td>
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### Handgrips for shoulder retraction for use with RealEase or S-Type baseplate, set of 2

- Handgrips for RealEase or S-Type baseplate, set of 2: 111230 SSPS-HG
- Handgrips for RealEase or S-Type baseplate, MR Conditional, set of 2: 111280 SSPS-HGMR

## Head and Neck ExaFix Systems

### ExaFix Systems

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<th>Product Description</th>
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<tr>
<td>ExaFix-5, carbon fiber baseplate, 5 pts fixation</td>
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<td>ExaFix-3, carbon fiber baseplate, 3 pts fixation</td>
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<td>ExaFix-5A, acrylic baseplate, 3P, MR Safe</td>
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<td>ExaTilt, 25 degrees</td>
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<td>ExaTilt, 25 degrees, MR Safe</td>
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<td>ExaFix IMRT Baseplate, fit for Varian Exact couch, extended version</td>
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<td>EXF-IMRT/VAEXEX</td>
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<tr>
<td>ExaFix IMRT Baseplate, fit for Elekta iBeam evo couchtop</td>
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<td>ExaFix IMRT Baseplate, fit for Elekta Precise/C-arm couchtop</td>
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<td>ExaFix IMRT Baseplate, fit on flat table top, carbon fiber, 3P</td>
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<td>EXF-IMRT/CF</td>
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<tr>
<td>ExaFix IMRT Baseplate, fit on flat MRI table top, glass fiber, 3P</td>
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<td>EXF-IMRT/GF</td>
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### ExaTilt Systems

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### carbon fiber elevation blocks, set of 2

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<td>Carbon fiber elevation blocks, set of 2</td>
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MR Safe versions of MaxSupports, blocks and wedges are available. Please contact your distributor for further information.

## MaxSupports™, Blocks & Wedges

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<thead>
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<td>MaxSupports, type HS25/35/45, set of 3</td>
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<tr>
<td>Carbon fiber wedges, set of 3</td>
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<tr>
<td>Carbon fiber elevation blocks, set of 2</td>
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</table>

MR Safe versions of MaxSupports, blocks and wedges are available. Please contact your distributor for further information.

## Thermoplastic Masks and Accessories

### MacroBath4 for thermoplastic masks, max. mask size 66.5x57.5cm

<table>
<thead>
<tr>
<th>Product Description</th>
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<tbody>
<tr>
<td>MacroBath4 for thermoplastic masks, max. mask size 66.5x57.5cm</td>
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230 V, including non-stick grid

<table>
<thead>
<tr>
<th>Product Description</th>
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<td>MacroMedics Convection Oven</td>
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</table>

MACROMEDICS PRODUCT CATALOGUE
Disease Specific Care Platform

**OmniBoard™, OmniCouch™ and MultiBoard™** - Page 28 - 39

Many different options are available for these products. Please contact your distributor for further information.

### OmniBoard™

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>OmniBoard 2.0 RealEase</td>
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<td>OmniBoard 2.0 RealEase for HexaPod system</td>
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<tr>
<td>OmniBoard 2.0 S-Type</td>
<td>175823</td>
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<tr>
<td>OmniBoard 2.0 S-Type for HexaPod system</td>
<td>175833</td>
</tr>
<tr>
<td>OmniBoard 2.0 ExaFix</td>
<td>126830</td>
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<tr>
<td>OmniBoard 2.0 ExaFix for HexaPod system</td>
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<tr>
<td>OmniBoard 3.0 RealEase</td>
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### MultiBoard™

<table>
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<tr>
<td>MultiBoard RealEase Premium Package</td>
<td>174450</td>
</tr>
<tr>
<td>Thorax tilting set for MultiBoard (5 and 10 degrees inclination)</td>
<td>115420</td>
</tr>
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</table>

### Breast Treatment Module Package

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Breasts Treatment Module package SX RealEase</td>
<td>174950</td>
</tr>
<tr>
<td>Breasts Treatment Module package SX S-Type</td>
<td>175850</td>
</tr>
<tr>
<td>Breasts Treatment Module package SX ExaFix</td>
<td>126850</td>
</tr>
<tr>
<td>Breasts Treatment Module package LX (RealEase incl. arm supports)</td>
<td>173620</td>
</tr>
<tr>
<td>Breasts Treatment Module package EX with EagleBoard-2</td>
<td>172170</td>
</tr>
</tbody>
</table>

### SBRT Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>SBRT Secure Arch, size XS</td>
<td>123700</td>
</tr>
<tr>
<td>SBRT Secure Arch, size S</td>
<td>123600</td>
</tr>
<tr>
<td>SBRT Secure Arch, size M</td>
<td>123500</td>
</tr>
<tr>
<td>SBRT Secure Arch, size L</td>
<td>123400</td>
</tr>
<tr>
<td>SBRT Secure Arch, HexaPod systems, size XS</td>
<td>123760</td>
</tr>
<tr>
<td>SBRT Secure Arch, HexaPod systems, size S</td>
<td>123660</td>
</tr>
<tr>
<td>SBRT Secure Arch, HexaPod systems, size M</td>
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### SBRT Treatment package MR Conditional

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Premium accessories package</td>
<td>173700</td>
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<tr>
<td>Premium accessories for HexaPod system package</td>
<td>173710</td>
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### SRS Treatment Package

<table>
<thead>
<tr>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>SRS Treatment package, SSPS cradle RealEase</td>
<td>11010</td>
</tr>
<tr>
<td>SRS Treatment package, SSPS cradle S-Type</td>
<td>11030</td>
</tr>
<tr>
<td>SRS Treatment package, SSPS cradle ExaFix</td>
<td>11050</td>
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</table>

MR Safe versions of SSPS and DSPS cradles are available. Please contact your distributor for further information.

### FluxBoard™

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>FluxBoard package for ViewRay MRIdian, Modular, 3P</td>
<td>164100</td>
</tr>
<tr>
<td>FluxBoard package, Modular, for CT, 3P</td>
<td>164150</td>
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<tr>
<td>FluxBoard Head &amp; Neck Module package</td>
<td>164200</td>
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### EAMIS Lite™

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>EAMIS Lite system, carbon fiber, 2P</td>
<td>123800</td>
</tr>
<tr>
<td>EAMIS Lite system, MR Safe, 3P</td>
<td>123850</td>
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</table>
## Breasts & Thorax

### FlexBoard™

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Code with Description</th>
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</thead>
<tbody>
<tr>
<td>FlexBoard package EX with EagleBoard-2</td>
<td>172150</td>
<td>FBPEB2</td>
</tr>
<tr>
<td>FlexBoard package SX with rigid arm supports</td>
<td>172500</td>
<td>FBPSXR</td>
</tr>
<tr>
<td>FlexBoard package SX with height adjustable arm supports</td>
<td>172550</td>
<td>FBPSXA</td>
</tr>
<tr>
<td>FlexBoard package LX (RealEase incl. arm supports)</td>
<td>173630</td>
<td>FBPLXR</td>
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### ThoraxSupport™

<table>
<thead>
<tr>
<th>Description</th>
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<th>Code with Description</th>
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<tbody>
<tr>
<td>ThoraxSupport</td>
<td>122100</td>
<td>LBIC</td>
</tr>
<tr>
<td>ThoraxSupport, MR Conditional</td>
<td>122350</td>
<td>LBIMR</td>
</tr>
<tr>
<td>ThoraxSupport Short</td>
<td>122650</td>
<td>LBICS</td>
</tr>
<tr>
<td>ThoraxSupport Short, MR Conditional</td>
<td>122860</td>
<td>LBIMRS</td>
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### BreastBoard SX™

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Code with Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BreastBoard SX, with rigid arm supports</td>
<td>172400</td>
<td>MBSXR</td>
</tr>
<tr>
<td>BreastBoard SX, with height adjustable arm support</td>
<td>172450</td>
<td>MBSXA</td>
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## BreastBoard LX™

<table>
<thead>
<tr>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>BreastBoard LX</td>
<td>122500</td>
<td>MBLXI</td>
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<tr>
<td>BreastBoard LX, MR Conditional</td>
<td>122750</td>
<td>MBLXIMR</td>
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## EagleBoard™

<table>
<thead>
<tr>
<th>Description</th>
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<th>Code with Description</th>
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</thead>
<tbody>
<tr>
<td>EagleBoard-2, including M-grip</td>
<td>122990</td>
<td>EB2</td>
</tr>
<tr>
<td>EagleBoard-2, including M-Grip</td>
<td>122990</td>
<td>EB2MR</td>
</tr>
<tr>
<td>EagleBoard, 3P, MR Safe including T- and U-Grip and MaxSupport 1</td>
<td>122800</td>
<td>EBTU</td>
</tr>
<tr>
<td>EagleBoard, 3P, MR Safe including T-Grip and MaxSupport 1</td>
<td>122810</td>
<td>EBT</td>
</tr>
<tr>
<td>EagleBoard, 3P, MR Safe including U-Grip and MaxSupport 1</td>
<td>122820</td>
<td>EBU</td>
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## Pelvic, Abdomen & Extremities

### KneeSupport™

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>KneeSupport, coated, 3P</td>
<td>130100</td>
<td>KS</td>
</tr>
<tr>
<td>KneeSupport, plastic, 3P</td>
<td>130140</td>
<td>KSP</td>
</tr>
<tr>
<td>KneeSupport low, plastic, 3P</td>
<td>130130</td>
<td>KSPL</td>
</tr>
<tr>
<td>KneeSupport LiftBlock, 3P</td>
<td>130120</td>
<td>KCB</td>
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</tbody>
</table>

### FeetSupport™

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Code with Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FeetSupport, rotatable, 3P</td>
<td>130260</td>
<td>FSTS</td>
</tr>
<tr>
<td>FeetSupport, fixed, indexable on LEPS and DSCP platforms, 3P</td>
<td>130250</td>
<td>FSTSF</td>
</tr>
<tr>
<td>FeetSupport 2.1, rotatable</td>
<td>130490</td>
<td>FSTS2.1</td>
</tr>
<tr>
<td>FeetSupport 2.0, fixed</td>
<td>130450</td>
<td>FSTSF2.0</td>
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</tbody>
</table>
**Lex-Ultra™**

<table>
<thead>
<tr>
<th>Description</th>
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<th>Code</th>
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<tbody>
<tr>
<td>Lex-Ultra™ positioning system for lower extremities with middle block</td>
<td>132100</td>
<td>LEXU</td>
</tr>
<tr>
<td>Lex-Ultra™ positioning system for lower extremities with middle block, MR safe</td>
<td>132150</td>
<td>LEXMR</td>
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**BOLX and Thermoplastic Bolus**

<table>
<thead>
<tr>
<th>Description</th>
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<th>Code</th>
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</thead>
<tbody>
<tr>
<td>BOLXI 15x15x10 cm with skin</td>
<td>153170</td>
<td>BS15150</td>
</tr>
<tr>
<td>BOLXI 15x15x0.5 cm with skin</td>
<td>153180</td>
<td>BS151505</td>
</tr>
<tr>
<td>BOLXI 30x30x10 cm with skin</td>
<td>153190</td>
<td>BS303010</td>
</tr>
<tr>
<td>BOLXI 30x30x0.5 cm with skin</td>
<td>153200</td>
<td>BS303005</td>
</tr>
<tr>
<td>BOLXII 40x40x10 cm with skin</td>
<td>153310</td>
<td>BS404010</td>
</tr>
<tr>
<td>BOLXII 40x40x0.5 cm with skin</td>
<td>153320</td>
<td>BS404005</td>
</tr>
<tr>
<td>BOLXII 50x50x10 cm with skin</td>
<td>153350</td>
<td>BS505010</td>
</tr>
<tr>
<td>BOLXII 50x50x0.5 cm with skin</td>
<td>153360</td>
<td>BS505005</td>
</tr>
<tr>
<td>MacroCast non perfor plate 3.2 mm, 30x30 cm</td>
<td>153210</td>
<td>BMCN32</td>
</tr>
<tr>
<td>MacroCast non perfor plate 5 mm, 30x30 cm</td>
<td>153220</td>
<td>BMCN48</td>
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</tbody>
</table>

**Pelvic Prone Board™**

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pelvic Prone Board, carbon fiber, with small prone cushion</td>
<td>130600</td>
<td>PPBCSPC</td>
</tr>
<tr>
<td>Pelvic Prone Board, glass fiber, with small prone cushion, MR safe</td>
<td>130850</td>
<td>PPBGSPC</td>
</tr>
<tr>
<td>Indexable Pron Pillo for the Pelvic Prone Board</td>
<td>118850</td>
<td>PPBB</td>
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</tbody>
</table>

**UniqFix™**

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>UniqFix positioning system for extremities, carbon fiber</td>
<td>135100</td>
<td>UNIQCF</td>
</tr>
<tr>
<td>UniqFix positioning system for extremities, MR Safe</td>
<td>135150</td>
<td>UNIQMR</td>
</tr>
</tbody>
</table>

**Miscellaneous**

**Vacuum Cushions™**

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Vacuum cushion, head support, 30x40 cm, 3L</td>
<td>155110</td>
<td>VHS3040</td>
</tr>
<tr>
<td>Vacuum cushion, head support, 25x50 cm, 3L</td>
<td>155140</td>
<td>VHS2550</td>
</tr>
<tr>
<td>Vacuum cushion, head &amp; shoulder support, T-shape, 50x70 cm, 5L</td>
<td>155150</td>
<td>VHS55070</td>
</tr>
<tr>
<td>Vacuum cushion, breast support, 50x70 cm, 8L</td>
<td>155210</td>
<td>VBRS5070</td>
</tr>
<tr>
<td>Vacuum cushion, pelvic support, 65x65 cm, 13L</td>
<td>155300</td>
<td>VP65666</td>
</tr>
<tr>
<td>Vacuum cushion, body support, 100x70 cm, 30L</td>
<td>155400</td>
<td>VBOS10070</td>
</tr>
<tr>
<td>Vacuum cushion, body support, 100x80 cm, 30L</td>
<td>155410</td>
<td>VBOS10080</td>
</tr>
<tr>
<td>Vacuum cushion, body support, 120x80 cm, 36L</td>
<td>155430</td>
<td>VBOS12080</td>
</tr>
<tr>
<td>Vacuum cushion, body support, 100x150 cm 5L</td>
<td>155450</td>
<td>VBOS10150</td>
</tr>
<tr>
<td>Vacuum cushion, body support, 200x100 cm, 85L</td>
<td>155510</td>
<td>VBOS200100</td>
</tr>
<tr>
<td>Vacuum cushion, body support, T-shape 120x120 cm, 85L</td>
<td>155520</td>
<td>VBOS120120</td>
</tr>
<tr>
<td>Dual function Vacuum Pump, incl. tube and connector, 230 V</td>
<td>155810</td>
<td>VFF</td>
</tr>
</tbody>
</table>

**CouchTops™ and CouchStrips™**

There are various different CouchStrips and side pieces. To find the right solution for your CouchTop, please contact your local distributor.
MacroMedics devices are CE marked as Class I medical devices in accordance with the Medical Device Regulation 2017/745. MacroMedics BV is an FDA registered company and has received FDA 510(k) clearance for most MacroMedics patient positioning devices. MacroMedics BV is an EN ISO13485:2016 certified company. MacroMedics, SSPS, DSPS and DSPS-Prominent are registered trademarks of MacroMedics BV. All other trademarks are property of their respective owners. DSPS is a patented system: EP 3130289, US 9808648, IN 2440KOLNP2014, NL 1036866 and WO 2013167689. DSPS-Prominent is patent pending.

References:
1. Dosimetric properties of a selection of MacroMedics products have been measured and are available on the MacroMedics website.
2. Data on DSPS accuracy and comfort:
4. Shrinkage is not clinically significant according to report: "Investigation shrinkage of thermoplastic material 'Ray-OC" and report: "Investigation shrinkage of thermoplastic material "Ray-Pro."

No rights may be derived from the contents of this catalogue, subject to technical changes, misprints and mistakes.
In loving memory of
Leo de Mooy

Inventor, entrepreneur and former-CEO of innovative radiotherapy companies Sinmed and MacroMedics®, Leo de Mooy has passed away on July 25th, 2023. De Mooy significantly contributed to the improvement of radiation therapy worldwide through his innovative approach. Most notably, he was the first to determine, as published in 1991, that carbon fiber was an optimal material for use in the patient positioning devices needed in radiotherapy due to the ‘high mechanical strength, low specific density, and relative radio-translucence’ of the material. Since then, carbon fiber has become the standard material to be used for patient positioning devices worldwide. In 1995, de Mooy co-founded Sinmed BV, a patient positioning device company, which was later sold. In 2010, de Mooy co-founded a second patient positioning device company, MacroMedics BV, to which he continued to contribute treatment-improving ideas. The Double Shell Positioning System (DSPS®), of which he was a co-inventor and which consists of a non-invasive double-mask system for improving patient comfort and treatment accuracy, was selected as a finalist for the Dutch Design Awards in 2013.