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Vision and innovation

DSCP - Disease Specific Care Platform

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Product List

Quality & regulatory information, references
Our open and direct communication with radiotherapy professionals allows us to anticipate new trends in treatment techniques. This enables us to develop new ideas and visions for unique, high-end quality products and solutions, using modern components, materials and advanced manufacturing techniques.

The focus of our design approach is to create an efficient and effective radiotherapy treatment, based on optimal positioning of the patient. For this we see patient comfort as a crucial element in the set-up and treatment process.

Our individualized approach to the patient, combined with dedicated and innovative positioning products, will provide optimal control of treatment processes and workflow efficiencies.
MacroMedics offers a unique and innovative approach on Disease Specific Care by introducing a contemporary and comprehensive product line dedicated for standard as well as high precision radiotherapy treatment such as hypo fractionation and arc therapy.

The concept of the Disease Specific Care Platform (DSCP) is based on positioning optimization of designated treatment areas and organs by making use of a platform consisting of a number of specific treatment boards or couchtops combined with an extensive set of sophisticated modular positioning accessories.

With these accessories a comfortable full-body support for the patient is created while focusing on the treatment area with advanced positioning products, explicitly designed for the specific treatment area. With only lightweight accessories to attach, there is no need to longer 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 an excellent product of choice.
Disease Specific Care Platform

The evolution continues… The MacroMedics® OmniCouch is the latest addition to the MacroMedics Disease Specific Care Platform (DSCP). It offers new innovative solutions in the travel range, allowing to position patients for most common treatments without the necessity of changing modules for adjusting the table length. Modular and easily attachable treatment accessories provide flexibility and a quick change between different patient set-ups.

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

Features
• Extended travel range
• Modular accessories
• Uniform patient set-up on all modalities

For Breast Treatments, lightweight modules are available that can be attached to the OmniCouch in just seconds.

For Head, Neck and Shoulders the superior OmniCouch section has an integrated design for adaption of the dedicated devices and thermoplastics.

A full range of SBRT accessories transforms the OmniCouch quickly into a versatile SBRT platform.

A complete all-in-one solution with a wide range of accessories to provide optimized set-ups for various disease sites.

3-point RealEase™ mask

5-point RealEase™ mask
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 a smooth transition from imaging to treatment. It also provides you with the flexibility to transfer 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 2 discrete longitudinal positions, the OmniCouch will be customized for the required treatment setting.

Ready for high precision
With the MacroMedics Double Shell mask system attached, the OmniCouch is ready for high precision SRS/SRT Treatments.

The OmniCouch provides uniformity to your department by offering the same set-up on CT, PET-CT and linac.
Patient comfort is patient control.
Throughout the past years, the OmniBoard has become one of the most successful products in the MacroMedics® product range. Our customers value its infinite possibilities for patient set-ups for various disease sites.

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, Versatility, Reproducibility and Safety.**

**Efficiency**
- All-in-one solution
- Transition efficiency / speed
- Cost efficiency - eliminate redundant purchases
- Storage efficiency

**Versatility**
- All-in-one solution
- Modular components = eliminates redundancies

**Re producibility**
- Indexed set-up modules
- Set-up sheets

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

Disease Specific Care Platform

The OmniBoard offers a unique Breast Treatment Module that is extremely light. With a weight of only 2.8 kg, the SX Breast Treatment Module is considerably lighter to lift than any stand-alone breastboard.

Latest addition to the range is the LX Breast Treatment Module which is very similar to our successful stand-alone BreastBoard LX (see page 45). It offers various adjustment possibilities for positioning of arms and head.

Extremely lightweight Breast Treatment Module can be removed in seconds

With our Double Shell mask system attached, the OmniBoard is ready for high precision SRS/SRT treatments. See table on page 33 for accuracy details. The OmniBoard can be extended off the cranial end of the couchtop until the dotted line, providing full freedom for treatments in the head & neck area.

The OmniBoard can not only be used for a large range of standard treatments. A full range of SBRT accessories transform it quickly into a versatile SBRT platform.
Patient comfort is patient control
**OmniBoard™**

**Decision tree**

- RealEase
- S-Type
- Exafix

**Configure Your OmniBoard**

1. Select thermoplastic mask system
2. Select Breast Treatment Module
3. Select upper arm supports
4. Select KneeSupport
5. Select FeetSupport

Please note
- Additional accessories, as shown on DSCP Accessories pages 26-27, can be added to complete your configuration.
- MacroMedics® and our distributors will be pleased to offer further advice on the best configuration for your needs.

**MultiBoard™**

**Disease Specific Care Platform**

The MultiBoard™ is a compact “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.
MultiBoard™
Disease Specific Care Platform

The MultiBoard is a versatile Modular Treatment Board and part of MacroMedics® Disease Specific Care Platform (DSCP).

This compact “All in One” patient positioning solution offers flexibility and allows quick and efficient patient set-up through indexed steps. The MultiBoard Base is anatomically shaped for patient comfort and can be indexed on the couchtop where it can remain during daily treatment. It can be used with a vast range of thermoplastic masks for head & neck, also for pediatrics, as well as thorax and pelvic masks. Combined with the modular MacroMedics positioning products, the MultiBoard becomes a dedicated device for head & neck, lung & thorax, liver & lower abdomen as well as SBRT treatments.

Features
• “All in One” solution for optimized workflow
• Lightweight carbon fiber construction for optimized dosimetry
• Quickly transformed into SBRT platform
• Indexable
• An MR safe version is available

FluxBoard™
Disease Specific Care Platform

The MacroMedics® FluxBoard is part of the Disease Specific Care Platform (DSCP) and supports comfortable positioning and reproducibility for patient set-up on the System.

The FluxBoard is a comfortable and 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 is optimized for coil placement. The FluxBoard allows you to make the most out of the treatment possibilities that the MRIdian system is offering you.

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

Features
• Comfortable positioning and reproducibility
• Optimized patient positioning area to also position tall patients comfortably
• Shape and accessories optimized for coil placement
The EAMIS Lite is part of the MacroMedics® Disease Specific Care Platform (DSCP). This extremely compact and lightweight rail system offers various set-up possibilities for high precision stereotactic treatments. It is a state of the art solution for lung & thorax, liver and lower abdomen treatments.

**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
- An MR safe version is available

Ready for high precision
MacroMedics® SBRT Secure Arches and other accessories can be attached to our DSCP platform with millimeter precision and can be quickly adjusted in height in indexed steps.
# DSCP Accessories

## Disease Specific Care Platform

A vast range of accessories offers a variety of possibilities for reproducible set-up.

### SBRT Secure Arches

<table>
<thead>
<tr>
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<tr>
<td>SSA-XS</td>
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<td>SSA-L</td>
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SBRT Secure Arches offer indexed height adjustment and quick attachment of accessories like abdominal vacuum cushions or Respiratory Suppression Plate.

### Abdominal vacuum cushions

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<td>EA-VXL</td>
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### Respiratory Suppression Plate

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### Respiratory Suppression Belt

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### Handgrips

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### Arm Supports

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### Vacuum Cushion Positioning System

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### Cushion

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### New MR Body Coil Holder Secure Arch

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### New MR Body Coil Holder Arch

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### New MR Body Coil Holder Arch

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**MACROMEDICS PRODUCT CATALOGUE | 27**
Single Shell Positioning System

The MacroMedics® Single Shell Positioning System (SSPS®), is a system that offers increased stability for head, neck & shoulder positioning. Based on an accurate mechanical principle, the SSPS distinguishes itself from existing head, neck & shoulder systems and presents a completely new approach for increased set-up stability in the head & neck region.

With current thermoplastic mask systems the mask material can become overstretched. This may result in thin material and thus less stable patient set-up. The solution: the Single Shell Positioning System (SSPS) that focuses on the patient’s facial contours which are relevant for a precise repositioning, in combination with a very rigid and direct connection to the baseplate.

The ultra-light and extremely rigid cradle can be connected to the baseplate in seconds and forms a strong and rigid link between mask and baseplate. The mask is limited to the relevant boundaries of the patients facial contours. As it only needs to be stretched towards the cradle rim, the mask remains compact and will not be overstretched. This will clearly contribute to the stability of the patient set-up. The SSPS differentiates itself by an improved mechanical approach resulting in better rigidity in the positioning system as a whole. It combines easy handling with increased set-up stability.

Patent pending

Features

- Rigid carbon fiber cradle for stable mask set-up
- Compact mask without overstretch
- Special non-shrinking mask material
- Available for various baseplates

Current situation

New: ultimate mask stability

Full flexibility in treatment options and accuracy

Choose the right mask system for your patient

- Traditional masks
  - 3- or 5-point RealEase™ masks
  - S-Type masks (head only or head, neck & shoulder)
- Single Shell masks
- Double Shell masks (see also next page)
**DSPS®**

Double Shell Positioning System

The MacroMedics® Double Shell Positioning System (DSPS®) strikes the perfect balance among the often competing aspects of patient comfort, accuracy and throughput. Docking to most common manufacturer’s head & neck baseplates, the DSPS concept is created around an ultra-light carbon fiber cradle with low attenuation.

The DSPS system consists of 2 masks made of special thermoplastic materials. The patented material of the occipital mask is rigid enough to hold the patient’s head during moulding. There is no need for an additional head support and there is full access to customize the mask around 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.

**Features**

- Accurate, individually mouldable system (see table)
- Quick and easy patient set-up
- Comfortable for the patient, also during longer treatments
- Allows fully customized prone positioning
- Different versions available for most common head & neck systems
- MR safe cradles are available

**Features**

- Accurate, individually mouldable system (see table)
- Quick and easy patient set-up
- Comfortable for the patient, also during longer treatments
- Allows fully customized prone positioning
- Different versions available for most common head & neck systems
- MR safe cradles are available

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Interfractional movement / Set-up correction

<table>
<thead>
<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>2.1</td>
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Intrafractional movement

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<tr>
<td>δ</td>
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<td>0.2</td>
<td>0.1</td>
<td>0.1</td>
<td>0.3</td>
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</tbody>
</table>

μ = mean-of-means  Σ = systematic  δ = random

Data: MAASTRO Clinic, University Medical Center, Maastricht, The Netherlands

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The cradles are available to fit on most common baseplates, please check for availability.
**Head & Neck baseplates**

**RealEase™ baseplates**
MacroMedics® RealEase baseplates are ergonomically shaped for patient comfort. They are indexed on the couchtop with 2 CouchStrips to ensure a reproducible positioning. RealEase profiles with easy to handle plungers offer improved fixation, stability and release of 3- or 5-point masks. Shoulder profiles are anatomically shaped. RealEase baseplates are prepared for attachment of hand grips (optional) to bring the patients shoulders as much as possible out of the treatment area.

**S-Type baseplates**
MacroMedics® S-Type baseplates are ergonomically shaped for patient comfort. They are indexed on the couchtop with 2 CouchStrips to ensure a reproducible positioning. MacroMedics S-Type baseplates are prepared for attachment of hand grips (optional) to bring the patients shoulders as much as possible out of the treatment area.

**ExaFix™ baseplates**
MacroMedics® ExaFix baseplates have a compact design. The ExaFix-3 baseplate is designed for head positioning, the ExaFix-5 baseplate for head, neck & 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 & Tilting baseplates**

**IMRT baseplates**
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 RealEase, S-Type and 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 types.

**Features**
- Better target coverage
- Easily hooked onto cranial end of treatment couch
- Low tolerances in attenuation and dosimetry
- Uniformity on all treatment modalities
- An MR safe version is available

**IMRT baseplate for Varian iCRT**

**IMRT baseplate for Elekta iBEAM® evo**

**Tilting baseplates**
Tilting baseplates are available for RealEase, S-Type and ExaFix mask systems. They can be quickly clicked onto head & neck baseplates and offer angulation of up to 25° or 35° in 5 or 6 steps. Tilting baseplates avoid overstretch of masks as sometimes seen with wedges or blocks. This results in a less overstretched and more stable mask that benefits repositioning.
MaxSupport™

Head supports, blocks and wedges

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 wideshaped MaxSupports nicely fit and support the patients head and offer extra stability on the lateral sides of the head as well as in the neck area. The wideshaped MaxSupports are made of low density foam for minimal attenuation. MaxSupports are also available for prone positioning and in a special version for pediatrics. All foam MaxSupports are MR safe.

For situations where extra stability and reproducibility is desired, MacroMedics developed two sets of carbon fiber MaxSupports. These head supports consists of a very thin layer of carbon fiber combined with a low density foam part for low attenuation. For special treatment requirements low attenuation carbon fiber elevation blocks and wedges are available in various heights and angles.
For our innovative DSPS and SSPS head and neck positioning systems, MacroMedics® and a leading thermoplastics manufacturer have developed a new generation of thermoplastic masks with unique properties:

- Ray-Pro: the thermoplastic material used for the facial masks, which offers increased rigidity and does not shrink.
- The dark blue Ray-Oc: the only thermoplastic material available on the market to create a mould of the back of the head that holds the patient without the need of an additional head support.

In combination, these thermoplastic masks result in increased patient comfort and improved initial set-up accuracy.

**Thermoplastic masks**

**DSPS® & SSPS®**

**2.3 mm thickness, set of 5**

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
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<td>DSPS Mask Set Supine head only for long hair</td>
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<td>DSPS-FOSL</td>
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<tr>
<td>DSPS Mask Set Prone head only</td>
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<td>DSPS-FOP</td>
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<td>DSPS Mask Set Supine head only, Type-VRT, open face</td>
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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 profiles attached. The most common types are listed below. Additional shapes are available, please check with us for details.

RealEase profiles

2,3 mm thickness, set of 5
SSPS Mask head only 115510  SSPS-F
SSPS Mask head only, Type-VRT, open face 115810  SSPS-FVR
Same as depicted on the previous page for DSPS, only without dark blue occipital mask

2,3 mm 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 359540  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 359550  REMCFC-5
MacroCast non perfo, 5-precut, RealEase profiles 359750  REMCN-5

L-profiles

2,3 mm thickness, set of 5
SSPS Mask ExaFix head and shoulder 115520  SSPS-FS
SSPS Mask Type-O head and shoulder 115620  SSPS-FSO
SSPS Mask Type-S or RealEase head and shoulder 115720  SSPS-FSS
SSPS Mask VRT Supine, open face, head and shoulder, S-profiles 115820  SSPS-FSVRS

2,3 mm 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 masks

**Premium S-Type masks, 2.3 mm, set of 10**
- S-Type mask, standard perforation, head only 364110 TSS-HO
- S-Type mask, standard perforation, head, neck & shoulders 364410 TSS-HNS
- S-Type mask, selective perforation, head only 364130 TSRP-HO
- S-Type mask, selective perforation, head, neck & shoulders 364430 TSRP-HNS

**S-Type masks, standard perforation, head only**
- S-Type mask, standard perforation, head only 364110 TSS-HO
- S-Type mask, standard perforation, head, neck & shoulders 364410 TSS-HNS

**S-Type masks, selective perforation, head only**
- S-Type mask, selective perforation, head only 364130 TSRP-HO
- S-Type mask, selective perforation, head, neck & shoulders 364430 TSRP-HNS

**S-Type masks, selective perforation, head, neck & shoulders**
- S-Type mask, selective perforation, head, neck & shoulders 364430 TSRP-HNS

**S-Type mask, selective perforation, head, neck & shoulders**
- S-Type mask, selective perforation, head, neck & shoulders 364440 TSRP-HNS

**S-Type mask, standard perforation, head, neck & shoulders**
- S-Type mask, standard perforation, head, neck & shoulders 367110 TSNP3-HO
- S-Type mask, standard perforation, head, neck & shoulders 367410 TSNP3-HNS

**S-Type mask, selective perforation, head, neck & shoulders**
- S-Type mask, selective perforation, head, neck & shoulders 367430 TSRP3-HNS

**S-Type mask, selective perforation, head only**
- S-Type mask, selective perforation, head only 364130 TSRP-HO

**S-Type mask, standard perforation, head only**
- S-Type mask, standard perforation, head only 364110 TSS-HO

**O-profiles**

**MacroBath™**

Water bath

The stainless steel MacroBath water bath type 3 has been specifically designed for use with MacroCast™ thermoplastic materials. The MacroBath water bath is electronically controlled and digitally adjustable to ensure the desired temperature for optimal moulding characteristics of MacroCast materials. Available accessories include a MacroBath Trolley which brings the MacroBath to a convenient work position and the EasyGrip™. It assists in an easy and efficient way the handling of 5-points MacroCast masks, allowing them to be removed from the MacroBath by just one person.

**U-frame masks**

**2,3 mm 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 373410 TURS

**3 mm thickness, set of 10**
- U-Frame mask, multi perforation 377450 TURS3
- U-Frame mask, multi perforation, wide 377550 TURS3W
- U-Frame mask, multi perforation, neck extension 377480 TURS3E

**MacroBath 3**
- External dimensions 54 x 66 x 35 cm (incl. handgrips)
- Working plane 50.5 x 61 cm (maximum thermoplastic mask size)

**EasyGrip**
BreastBoard SX™

The BreastBoard SX is the elementary model of the MacroMedics® breast treatment line. It has a straightforward design for quick, easy and efficient patient set-up. It is a cost-effective and modern solution, manufactured to conform with the latest requirements in patient treatment.

The BreastBoard SX provides a coreless single layer carbon fiber treatment zone without grid to obtain low attenuation, maximal homogeneity and rigidity. It is a light and ergonomic breast treatment device securing reproducible day to day patient set-up.

Features
• Rigid, homogeneous and low-attenuation IGRT treatment zone
• Inclination from 5° to 15° in 2.5° steps
• Optional height adjustable arm supports
• Ergonomic and rigid bottomstop
• Optional bottomstop adapter available for shorter patients
• Compatible with 3-point MacroCast™ RealEase™ head masks
• Breast support masks available
• Indexable

BreastBoard LX™

The BreastBoard LX is the premium, stand-alone breastboard. Utilizing a coreless, single-layer carbon fiber treatment zone, the BreastBoard LX provides an IGRT treatment zone with minimal attenuation and maximal homogeneity and stability. The stable, easy to adjust arm supports on the BreastBoard LX address many of the adjustment challenges with other breast board arm supports, providing quick, customizable set-ups for patient comfort and clearance. The BreastBoard LX further addresses common patient comfort issues by incorporating a contoured lumbar area and an optional bottomstop adapter for shorter patients.

Features
• Rigid, homogeneous and low-attenuation IGRT treatment zone
• Inclination from 5° - 20° in 2.5° steps
• Adjustable head support
• Stable and easy to adjust arm supports
• Various arm positions possible with optional accessories: hand grips, high bridge support, 90 degree arm support
ThoraxSupport™

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 restrain the patients arms from 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
- An MR conditional version is available

EagleBoard™

The MacroMedics® EagleBoard offers quick and easy patient set-up for 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 lung and thorax treatments. The EagleBoard provides full support of the upper arms which reduces 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 and cost-effective solution for quick and comfortable patient positioning.

Features
- Tapered design for maximum CT bore clearance
- Easy adjustable positioning of the T- or U-Grip
- Grips can be fixed in two directions for a wide range of positions
- Adjustable, indexed position of MaxSupport 1 head support
- Indexable
- MR safe
KneeSupport™

KneeSupports are used to raise the patient’s legs, flattening the lumbar spine to support a comfortable position for the patient.

MacroMedics offers 3 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 on the couchtop and can be placed in 4 different positions.

KneeSupport LiftBlocks can be placed underneath the KneeSupports, offering an additional elevation of 5 cm.

FeetSupport™

When lying in a relaxed position, feet naturally point outward. The FeetSupport places the patient’s feet in this natural position for comfort and to assist stabilising the patient set-up.

The FeetSupport cushions have a smooth coating for easy cleaning.

There are two types of FeetSupport:

• Fixed FeetSupport which hold the feet at a set angle.
• Rotatable FeetSupport which can be indexed directly on the couchtop and allow the feet to be positioned at 4 different indexed angles.
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 KneeSupport™, LiftBlock™ and FeetSupport™. The system can be upgraded with an optional shoulder retractor.

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

Features
- Indexed positions:
  - KneeSupport in 4 steps
  - FeetSupport in 11 steps
- Upgrade with an optional shoulder retractor
- Indexable
- The LEPS is MR conditional

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 ‘arc’ techniques. With the Pelvic Prone Board, it is possible to obtain a significant reduction of the irradiated small bowel volume.

Features
- Special carbon fiber sandwich construction in R.O.I. for optimal dosimetry for arc techniques
- Integrated arm rests for patient comfort
- Optional indexable Pron Pillo
- Indexable
- An MR safe version is available

PELVIC PRONE BOARD
Lex-Ultra™

The LEX-Ultra is a user friendly solution that provides support in positioning of the lower extremities. The LEX-Ultra is designed to create unobstructed radiation beam access in the region of interest (R.O.I.) and allows to position the unaffected extremity out 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 and creates optimal positioning of the treated extremity.

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

UniqFix™

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 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**

**CouchStrips ™**

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**CT Couchtop**

**Exact indexing**

**Exact slots**

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**Varian**

- Exact CouchStrip Fixed 530 147960 CF
- Exact CouchStrip Fixed 500 147950 CF
- Exact CouchStrip Fixed 530 147930 GF for MR

**Elekta iBeam**

- Ibeam CouchStrip Fixed 530 147110 CF

**ViewRay**

- MRIdian 3-pin Rail Cranial 164180
- MRIdian 2-pin Rail 164170

**Sliding**

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

**Vacuum bag positioning Strip**

- Vacuum bag positioning strip 155970 CF

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**VBCS CF**

- Vacuum bag positioning strip 155950 GF for MR

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Vacuum cushions

MacroMedics® vacuum cushions are manufactured from durable and easy to clean materials. They have an easy-to-use valve that does not leak. The vacuum cushions can be easily indexed on the couchtop with a carbon fiber vacuum cushion positioning strip. To mould the vacuum cushions, a basic single function pump and a dual function pump are available. The dual function pump offers a wireless hand or foot remote control for quick adjustment during moulding. It can be carried easily as it is compact and battery operated.

Features
- Durable, high-quality polyamide
- Blue colour distinguishable in optical imagers
- Radiotranslucent
- Cost-effective
- MR conditional
- Adapters available for pumps with CPC connector

ExaFlex™
and thermoplastic bolus

ExaFlex is a flexible, homogeneous bolus material that conforms nicely to the patient anatomical contours. ExaFlex is made from a tissue-equivalent gel with a density of 1.03 g/cm. It is available in various sizes and thicknesses and can be cut with a pair of scissors to fit the patients contours. ExaFlex can be build up in layers when required to obtain the desired build-up thickness.

ExaFlex is available in an easy to clean version with skin or a skinless version that will stick to the patients contours and allow stacking.

ExaFlex is calibrated with photon and electrons beams in the energy range of more than 1 MeV. ExaFlex is 100% latex free.

MacroMedics® also offers thermoplastic bolus which can be custom-moulded to the patients anatomy.
Products for use in MR

MR imaging in radiotherapy is becoming more important and is showing an increasing value in the patient treatment processes. MacroMedics® has developed a whole range of MR safe and MR conditional products for various treatment areas that provide the same product settings between all 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.

DSPS® and SSPS® cradles are available in MR safe versions. Please contact your distributor for further information.

Baseplates - Page 34

RealEase baseplate, 2P 111300 SSPS-BMRE
S-Type baseplate, 2P 111400 SSPS-BTS
Handgrips for shoulder retraction for use with RealEase or S-Type baseplate, set of 2 111230 SSPS-HG
Exafix-3, carbon fiber baseplate, 3-point fixation, 2P 1010120 EXF-3
Exafix-3A, acrylic baseplate, 3-point fixation, 3P, MR safe 1101300 EXF-SA
Exafix-5, carbon fiber baseplate, 5-point fixation, 2P 1101800 EXF-5
Exafix-5A, acrylic baseplate, 5-point fixation, 3P, MR safe 1101400 EXF-SA
ExaFix Pediatric, carbon fiber baseplate, 5-point fixation, 2P 1102500 EXF-PED

Contact your local distributor for availability of the products in your country.

Product list

DSPS

OmniCouch, OmniBoard, MultiBoard - Pages 8 - 22

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

FluxBoard - Page 23

FluxBoard package for ViewRay MRIdian, 3P 164100 UTBM-FB
FluxBoard package for CT, 3P 164150 UTBM-FBCT
FluxBoard Head & Neck Module, 3P package 164200 UTBM-HNM

EAMIS Lite - Page 24

EAMIS Lite system, carbon fiber, 2P 123800 EA-LITE
EAMIS Lite system, MR safe, 3P 123850 EA-LITE-MR

DSCP Accessories - See pages 26 - 27

Head & Neck

SSPS Cradles - Page 30

SSPS Cradle for RealEase systems 111120 SSPS-CHRE
SSPS cradle for S-Type systems 111520 SSPS-CHS
SSPS Cradle for ExaFix systems 111620 SSPS-CHF
SSPS Cradle for Type-O systems 111600 SSPS-CHO

DSPS Cradles - Page 32

DSPS Cradle Type MacroMedics ExaFix 1127100 DSPS-CTMH
DSPS Cradle Type MacroMedics RealEase 1121200 DSPS-CTANHE
DSPS Cradle Type-O 1127200 DSPS-CTOH
DSPS Cradle Type-S 1127300 DSPS-CTS
DSPS Cradle Type-VRT 1127400 DSPS-CTVRH
DSPS Cradle Type-B 1127500 DSPS-CTBH
DSPS Cradle Type-I 1127600 DSPS-CTIH
DSPS Cradle Type-U 1127700 DSPS-CTUH
DSPS Cradle Type-V 1127800 DSPS-CTVH
DSPS Cradle Type-QA 1127900 DSPS-CTQAH

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

Contact your local distributor for availability of the products in your country.
Tilting Baseplates - Page 35

HeadTilt for RealEase systems, 25 degrees 171500 RE-EXT
HeadTilt for RealEase systems, 25 degrees, MR safe 171520 RE-EXMR
HeadTilt for S-Type systems, 25 degrees 171560 S-HT25
HeadTilt for S-Type systems, 25 degrees, MR safe 171570 S-HT25MR
ExaTilt, 25 degrees 110200 EXT
ExaTilt, 35 degrees 110230 EXT35
ExaTilt, 25 degrees, MR safe 110240 EXTMR

MaxSupports - Page 36

MaxSupports, set of 3 117100 HSSET
MaxSupports wideshaped, set of 3 117000 HSETW
Set of MaxSupports carbon fiber, 3 117115 HSSETCF
MaxSupport S-Line, carbon fiber, set of 4 116350 H5-SET
MaxSupport S-Line for other manufacturers S-Type, carbon fiber, set of 4 116550 H5-BSET
MaxSupport Prone 116940 HSP
MaxSupport Pediatric Supine 116950 HSPS
Carbon fiber wedges for ExaFix, set of 3 (5, 10 and 15 degrees) 110500 CFWSET
Carbon fiber elevation blocks for ExaFix, set of 2 110580 CFBSET
Carbon fiber wedge for ExaFix, 7 degrees (for hyperextension) 110540 CFW7
Carbon fiber wedges for RealEase, set of 3 (5, 10 and 15 degrees) 171600 RE-CFWSET
Carbon fiber elevation blocks for RealEase, set of 2 171680 RE-CFBSET
Carbon fiber wedge for RealEase, 7 degrees (for hyperextension) 171640 RE-CFW7
MR safe versions of MaxSupports and blocks & wedges are available. Please contact your distributor for further information.

Thermoplastic Masks

Thermoplastic Masks for DSPS / SSPS and MacroCast - See pages 38 - 43

Accessories for thermoplastic masks - Page 43

Macrolath3 for thermoplastic masks, max. mask size 50,5x61cm 230 V 154300 WB3
EasyGrip, for handling of ExaFix head, neck and shoulder masks 154560 WBG3
Macrolath Trolley 154600 WBT3

Breast & Thorax

BreastBoard SX - Page 44

BreastBoard SX with rigid arm supports 172400 MBSXR
BreastBoard SX with height adjustable arm support 172450 MBSXA
Bottomstop adaption for shorter patients 122590 BSS

BreastBoard LX - Page 45

BreastBoard LX 122500 MLB30
BreastBoard LX, MR conditional 122750 MLBXM30
High bridge support for lower arms 122540 HB38BT
90 degree arm support, set of 2 122670 90BT
Handgrips, set of 2 122730 HGBT2
Bottomstop adaption for shorter patients 122590 BSS

Contact your local distributor for availability of the products in your country.
There are various different CouchStrips and side pieces. To find the right solution for your couchtop, please contact your local distributor.

Vacuum cushions - Page 56

Vacuum cushion, head support, 30x40cm  3L
Vacuum cushion, head support, 25x50cm  3L
Vacuum cushion, head & shoulder support, T-shape, 50x70cm  5L
Vacuum cushion, breast support, 50x70cm  8L
Vacuum cushion, pelvic support, 65x65cm  13L
Vacuum cushion, body support, 100x70cm  30L
Vacuum cushion, body support, 100x80cm  30L
Vacuum cushion, body support, 120x80cm  36L
Vacuum cushion, body support, 100x150cm  51L
Vacuum cushion, body support, 100x100cm  85L
Vacuum cushion, body support, T-shape 120x120cm  45L
Vacuum cushion positioning strip
Single function Vacuum Pump, 230V
Dual function Vacuum Pump, incl. tube and connector, 230 V
Quick inflation connector with 2m tube
Quick inflation connector with 2m tube and CPC connector

ExaFlex & thermoplastic bolus - Page 57

ExaFlex 15x15x1,0 cm with skin
ExaFlex 15x15x0,5 cm with skin
ExaFlex 30x30x1,0 cm with skin
ExaFlex 30x30x0,5 cm with skin
ExaFlex 40x40x1,0 cm with skin
ExaFlex 40x40x0,5 cm with skin
ExaFlex 50x50x1,0 cm with skin
ExaFlex 50x50x0,5 cm with skin
ExaFlex 30x30x1,0 cm without skin
ExaFlex 30x30x0,5 cm without skin
ExaFlex 40x40x1,0 cm without skin
ExaFlex 40x40x0,5 cm without skin
ExaFlex 50x50x1,0 cm without skin
ExaFlex 50x50x0,5 cm without skin
MacroCast non perfo plate 3,2 mm, 30x30 cm
MacroCast non perfo plate 5 mm, 30x30 cm

Contact your local distributor for availability of the products in your country.

References

1 Dosimetric properties of MacroMedics products have been measured and are available on the MacroMedics website.
2 Data on DSPS accuracy and comfort:
   This data is available for download on the MacroMedics® website.