PRODUCT

CATALOGUE

version 7

macromedics

SOLUTIONS IN RADIOTHERAPY

macromedics

SOLUTIONS IN RADIOTHERAPY

CONTENTS

Our worldwide Distributors

MacroMedics is represented by local distributors in many countries worldwide.

MacroMedics

About

MacroMedics, a Dutch company, founded on World-Cancer Day, February 4th 2010, has developed itself into an international leader of innovation in patient positioning products for radiation oncology. MacroMedics' CEO, Leo de Mooy, has been actively developing products in this field for over 35 years and played a leading role in the introduction of carbon fiber as a key material for patient positioning devices. Co-founder and Managing Director, Jaap Drenth, also has many years of experience in the clinical field. Drawing on various disciplines to create positive changes in the medical industry, his history of patient care has inspired him to approach innovation with a patient-centered outlook. MacroMedics continues to build on this experience and technical knowledge by utilizing advanced manufacturing techniques and materials to create products which meet the highest demands for rigidity and low attenuation.

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.

"Patient comfort is patient control"

HEAD & NECK

One Cradle,
Three Solutions

DSPS, SSPS and DSPS Prone
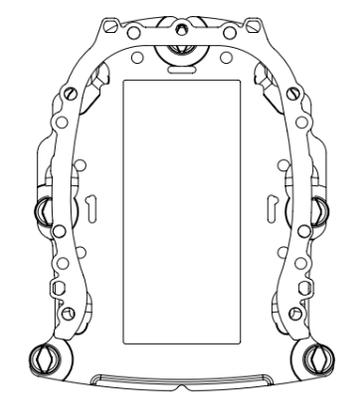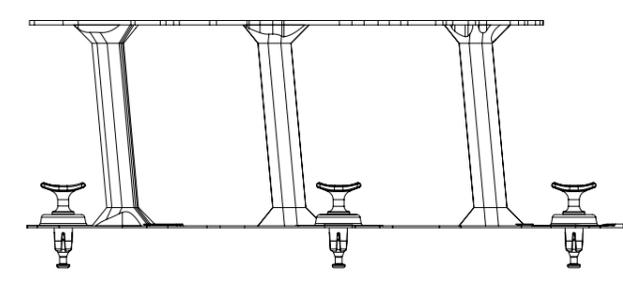
DSPS® Prone

SSPS®

DSPS®

Dosimetric properties of the Cradle

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

Product Type	Energy
	6 MV
DSPS CF Cradle Bottom Plate	0.6%
DSPS CF Cradle Rim	0.6 - 0.9%
DSPS CF Cradle vertical columns	1.1 - 2.1%

Weight (approx):	0.2 kg / 0.45 lbs
Primary Materials:	Carbon Fiber

SSPS®

Single Shell Positioning System

The MacroMedics® Single Shell Positioning System is a system that 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.

Traditional thermoplastic Mask set-up

SSPS Mask set-up

Overstretching

Ultimate single mask stability

SSPS Mask Types
A new 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[4].

Head-only Masks

Supine

Open-face supine
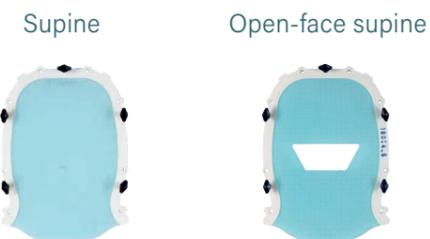
2,3 mm thickness, set of 5

SSPS Mask head only	115510	SSPS-F
SSPS Mask head only, open face	115810	SSPS-FVR

Head, Neck and Shoulder Masks

ExaFix

Type-O

Type-S or RealEase

Open face option

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 Supine, open face, head and shoulder, S-profiles	115820	SSPS-FSVRS

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[2] 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[2] in frameless stereotactic radiosurgery. DSPS is a patented product of MacroMedics.

DSPS offers three treatment solutions

DSPS®

DSPS Environ®

DSPS® Prone

Accuracy of DSPS head only set-up

Interfractional movement / Set-up correction

	Lat (mm)	Lng (mm)	Vrt (mm)	Pitch (°)	Rtn (°)	Roll (°)
μ	0.1	-0.2	0.4	0.3	0.0	-0.3
Σ	1.1	2.0	2.1	0.5	0.6	0.3
∂	1.1	2.1	4.3	0.5	0.5	0.3

μ = mean-of-means

Σ = systematic

∂ = random

Intrafractional movement

	Lat (mm)	Lng (mm)	Vrt (mm)	Pitch (°)	Rtn (°)	Roll (°)
μ	0.0	0.1	0.0	0.0	0.1	0.0
Σ	0.2	0.1	0.0	0.1	0.2	0.0
∂	0.5	0.2	0.1	0.1	0.3	0.1

Data with courtesy to the MAASTRO Clinic, University Medical Center, Maastricht, The Netherlands[2]

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

Product Type	Energy		Skin Buildup (mm H2O EQ)
	6 MV	15 MV	
DSPS Facial mask (RayPro)	3.27%	2.58%	NA
DSPS Occipital mask (RayOc)	3.90%	3.24%	2,36
DSPS Mask Profiles	7.61%	6.16%	NA

DSPS 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

|		
DSPS Mask Set Supine head only	114510	DSPS-FOS
DSPS Mask Set Supine head only, for long hair	114560	DSPS-FOSL
DSPS Mask Set Prone head only	114530	DSPS-FOP
DSPS Mask Set Supine head only, open face	114410	DSPS-FOSVR
DSPS Mask Set Supine head only, open face, for long hair	114460	DSPS-FOSVRL
DSPS Mask Set Supine Environ head only	114750	DSPS-FOSEV
DSPS Mask Set Supine head only, Environ open face	114760	DSPS-FOSEVR

Head and Shoulder masks

ExaFix	Type-O	Type-S or RealEase	Open face
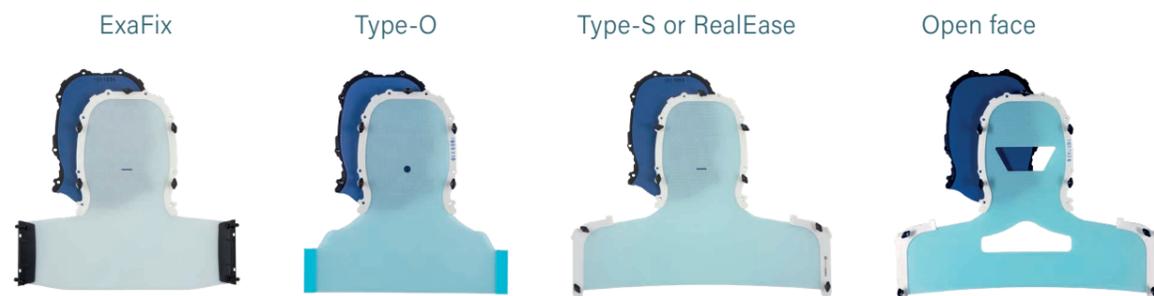
2,3 mm thickness, set of 5

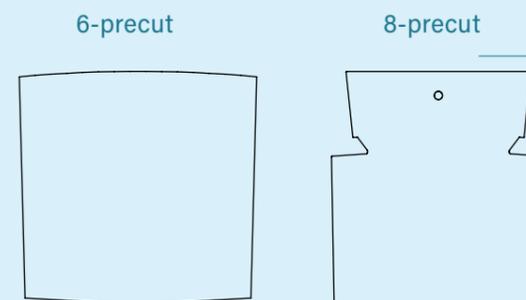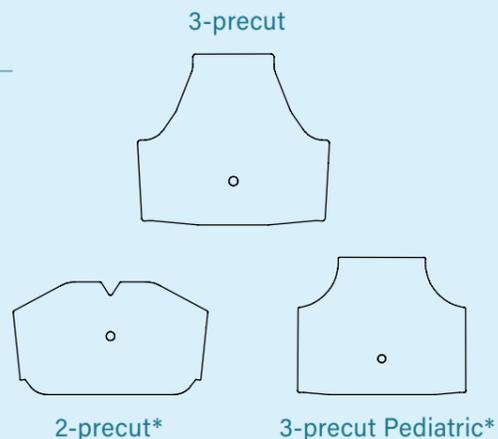|		
DSPS Mask Set for ExaFix Supine head and shoulder	114520	DSPS-FSOS
DSPS Mask Set for ExaFix Supine head and shoulder for long hair	114570	DSPS-FSOSL
DSPS Mask Set Type-O Supine head and shoulder	114620	DSPS-FSOSO
DSPS Mask Set Type-O Supine head and shoulder for long hair	114670	DSPS-FSOSOL
DSPS Mask Set Type-S or RealEase Supine head and shoulder	114320	DSPS-FSOSS
DSPS Mask Set Type-S or RealEase Supine head and shoulder for long hair	114370	DSPS-FSOSSL
DSPS Mask Set Supine, open face, head and shoulder, S-profiles	114420	DSPS-FSOSVRS
DSPS Mask Set Supine, open face, head and shoulder for long hair, S-profiles	114470	DSPS-FSOSVRSL

THERMOPLASTIC MASKS
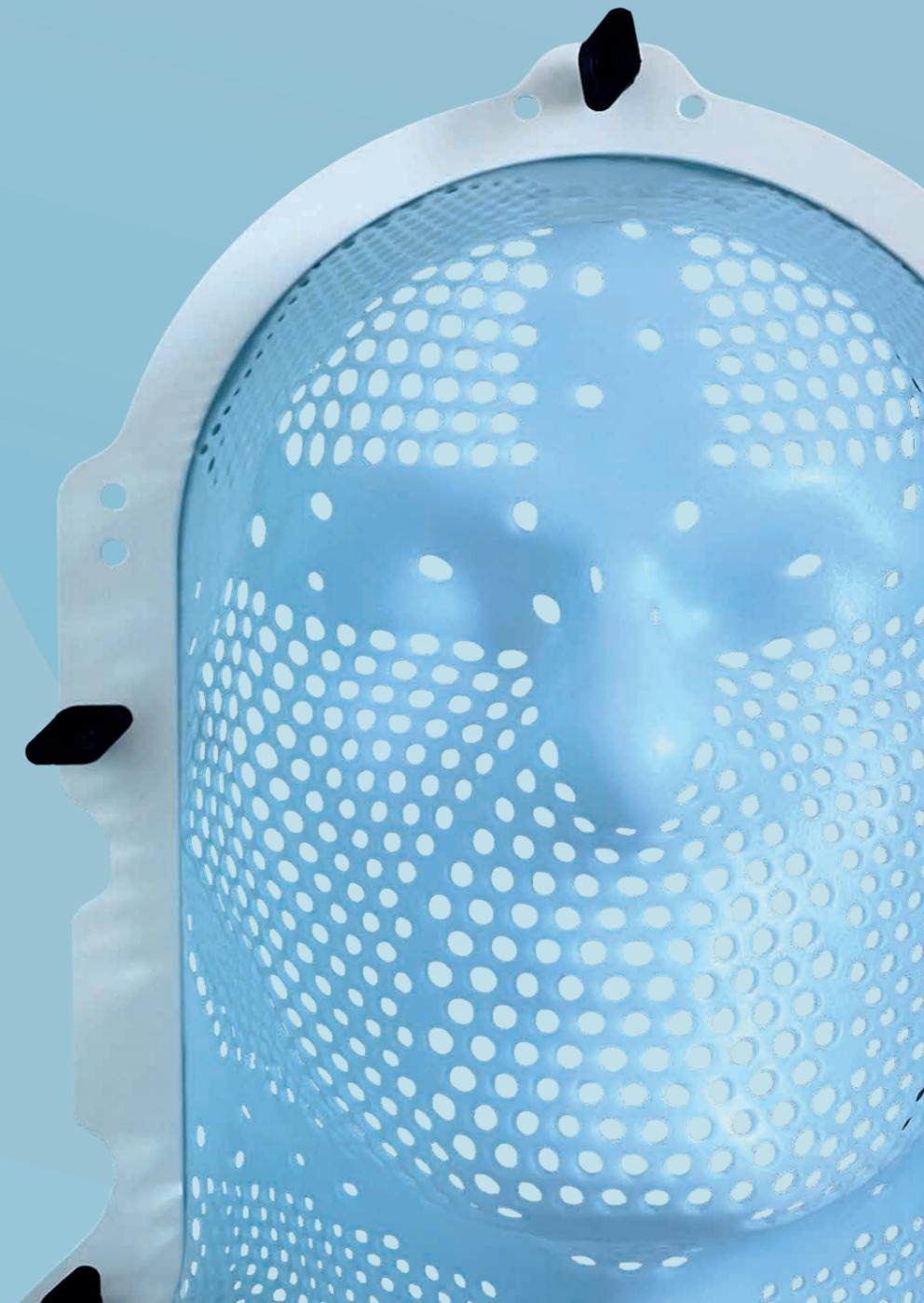
MacroCast ®

Thermoplastic Masks

Head

Possible Profile Types for this mask shapes:

- RealEase
- L-Profile
- S-Type; Premium or standard
- O-Profile
- U-Frame
- Carbon Fiber

Head & neck
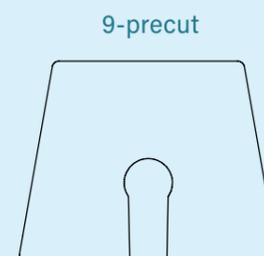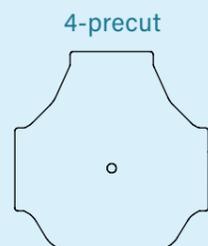
Possible Profile Types for these mask shape:

- RealEase
- L-Profile
- S-Type; Premium or standard
- O-Profile
- U-Frame
- Carbon Fiber

Head, neck & shoulders

Possible Profile Types for these mask shapes:

- RealEase
- L-Profile
- S-Type; Premium or standard
- O-Profile
- Carbon Fiber

3-precut

2-precut*

3-precut Pediatric*

4-precut

5-precut

5-precut Pediatric*

7-precut*

6-precut

8-precut

9-precut

Extremities mask XS

Extremities mask L

Extremities mask S

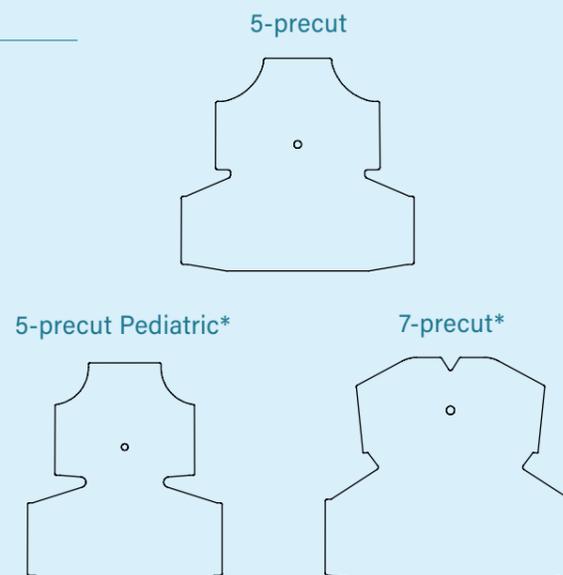Extremities mask for hand

Breast & Thorax

Possible Profile Types for these mask shapes:

- RealEase
- L-Profile
- Carbon Fiber

Pelvis

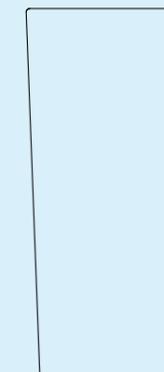Possible Profile Types for this mask shape:
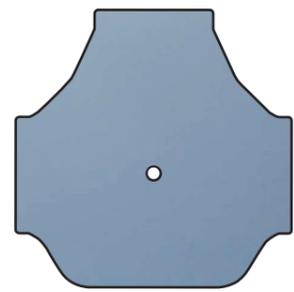
- RealEase
- L-Profile
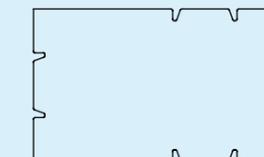
Extremities

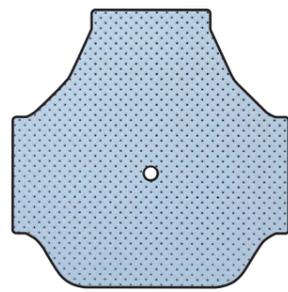Possible Profile Types for these mask shapes:

- L-Profile

* These masks are only available with
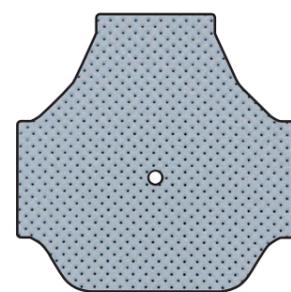 L-Profiles.

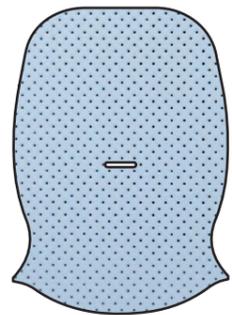## Possibile mask material perforation types :

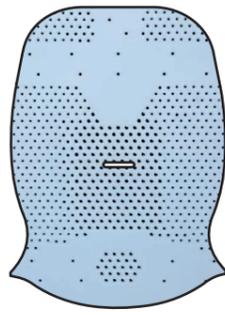### MacroCast

No perforation

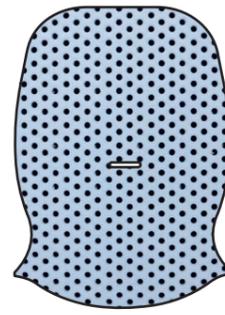Fine perforation

Fine perforation - comfort

S-Type MacroCast

Standard perforation

Selective perforation

Multi 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

L-Profile masks

2,3mm 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 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	364130	TSRP-HO
S-Type mask, Premium, selective perforation, head, neck & shoulders	364430	TSRP-HNS

3,0 mm, set of 10

S-Type mask, Premium, 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 and 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 and shoulders	367410	TSNP3-HNS

O-profile masks

2,3 mm, set of 10

MacroCast fine perfo, 3-precut, O-profiles	129530	OLMCF-3
MacroCast fine perfo, comfort, 3-precut, O-profiles	127530	OLMCFC-3
MacroCast non perfo, 3-precut, O-profiles	129730	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	129740	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	129750	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	373430	TURS

3 mm mask thickness, set of 10

U-Frame mask, multi perforation	377450	TUSS3
U-Frame mask, multi perforation, wide	377550	TUSSW3
U-Frame mask, multi perforation, neck extension	377480	TUNES3
U-Frame mask, selective perforation	374430	TURS3

HEAD & NECK
BASEPLATES

Head and Neck

Baseplates

RealEase and S-Type baseplates

The MacroMedics® Head and Neck baseplates are available in RealEase and S-Type configurations. They are ergonomically shaped for patient comfort and can be indexed on the couchtop with two CouchStrips to ensure reproducible positioning. Hand grips 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.

Dosimetric properties

Product Type	Energy		Skin Buildup (mm H2O EQ)
	6 MV	15 MV	
24 mm carbon fiber SSPS baseplates	2,2%	1,7%	6,18
15 mm carbon fiber baseplates (Exafix-3, Exafix-5)	1,4%	1,2%	3,92
26 mm Exafix-IMRT baseplate	2,2%	1,6%	6,09

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.

ExaFix-5

ExaFix-3

IMRT Baseplates

IMRT baseplate for Varian IGRT

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 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 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

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.
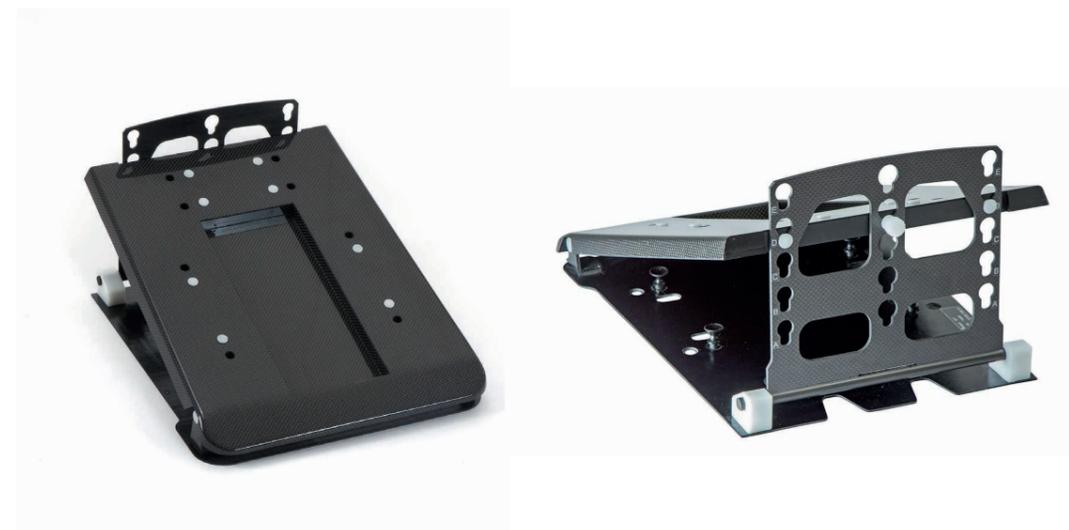
MaxSupport™

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 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

Absorbtion factor: 6MV = 3,6% 10MV = 2,8%
Skin buildup (mm H2O EQ): 8
Material: PUR Foam
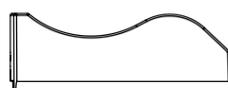
MaxSupport 2

MaxSupport 3

MaxSupport 4

MaxSupports, wideshaped

Absorbtion factor: 6MV = 0,4% 10MV = 0,2%
Skin buildup (mm H2O EQ): 1,55
Material: PE Foam
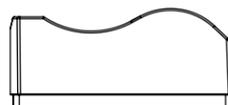
MaxSupport 5
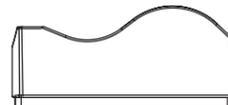
MaxSupport 6
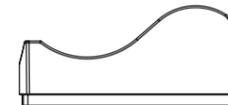
MaxSupport 7

MaxSupports Carbon Fiber - Also available in Glass Fiber

Absorbtion factor: 6MV = 1,1% 10MV = 0,9%
Skin buildup (mm H2O EQ): 3,05
Material: Carbon Fiber

MaxSupport 25

MaxSupport 35

MaxSupport 45

MaxSupports S-Line Carbon Fiber - Also available in Glass Fiber

MaxSupport S-Line A
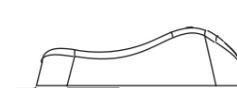
MaxSupport S-Line B

MaxSupport S-Line C

MaxSupport S-Line D

MaxSupport Prone

Material: EVA Foam

MaxSupport Pediatric

Material: EVA Foam

Carbon Fiber wedges

New

Wedge 1

5° of elevation

Carbon Fiber wedges - Also available in Glass Fiber

New

Wedge 2	Wedge 3	Wedge 4
10° of elevation	15° of elevation	7° of elevation
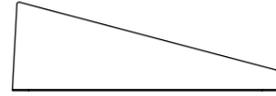
Carbon Fiber blocks- Also available in Glass Fiber

New
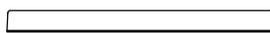
Block Low

Block High

DSCP™

Disease Specific Care Platform

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.

OmniCouch™

Disease Specific Care Platform

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.

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.

OmniCouch on linac   OmniCouch on CT

Dosimetric properties

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

Gantry	Energy	
	6 MV	15 MV
180	3.27%	2.58%
210	3.90%	3.24%
240	7.61%	6.16%

Position 2
For treatments below the diaphragm   Position 1
For treatments above the diaphragm
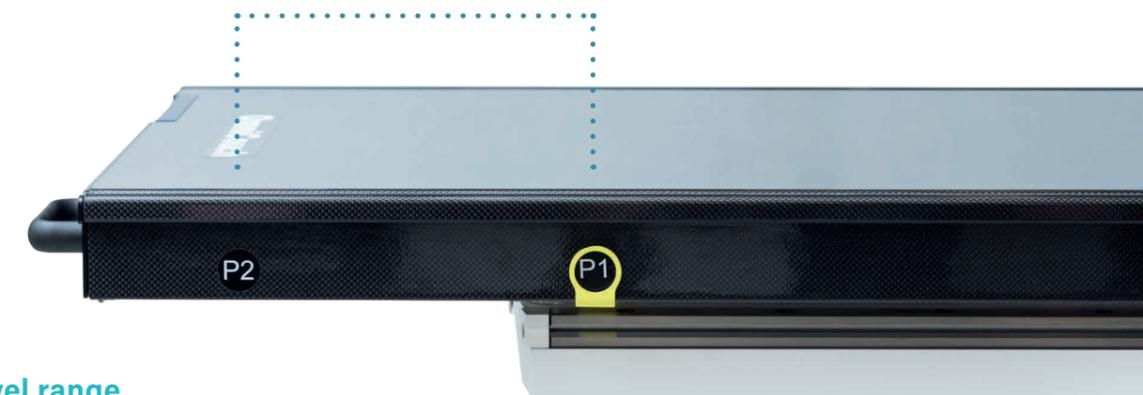
Extended travel range

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.

Abdominal

SBRT

SRS

Prostate

Intracranial head only

Lung

Head, neck & shoulder

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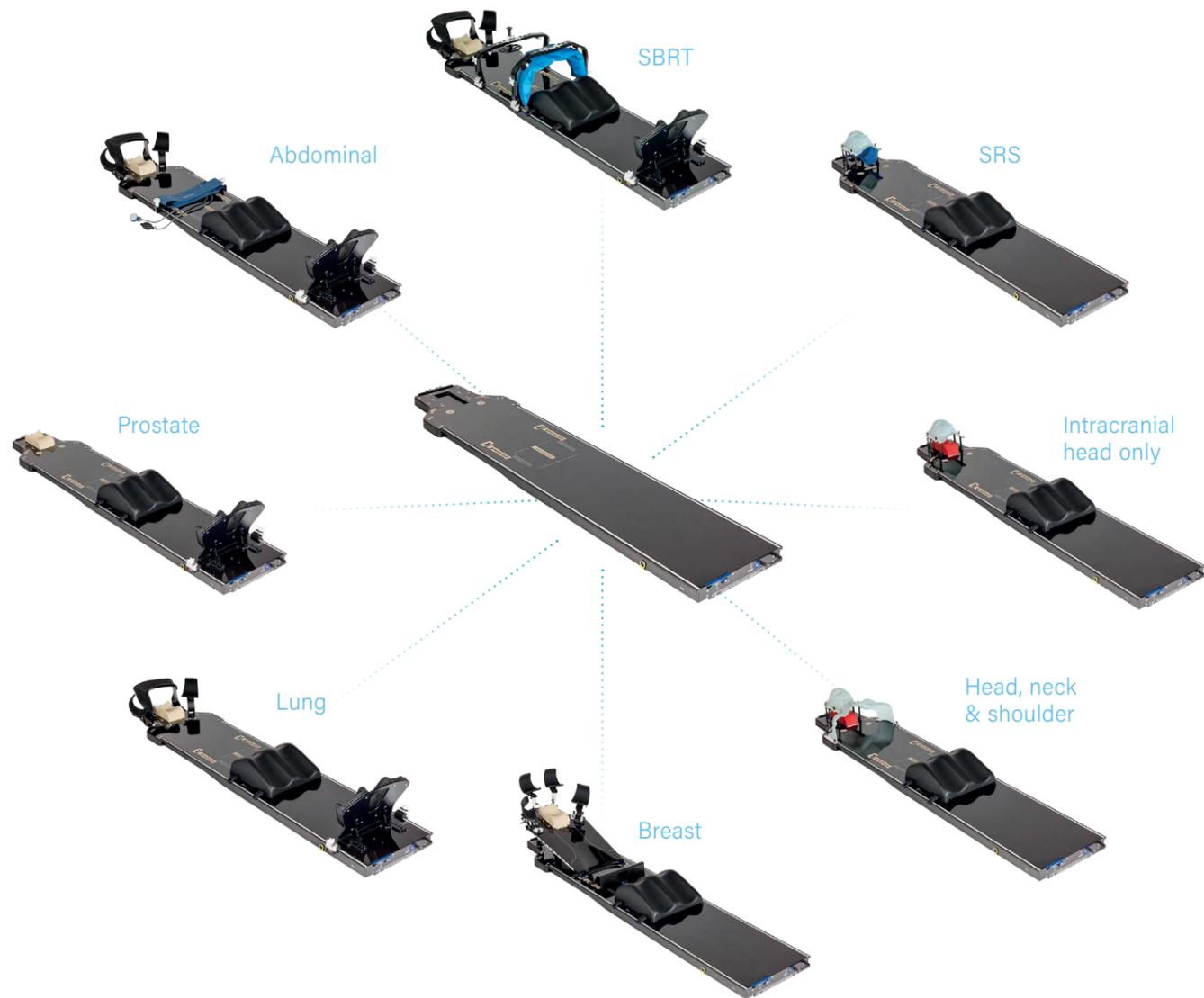
The All-In-One patient positioning system is the only all-in-one solution designed specifically with therapists in mind to optimize the things they care about most:

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

OmniBoard™

Disease Specific Care Platform

The next product forming part of the Disease Specific Care Platform portfolio is the OmniBoard™. Throughout the previous years, the OmniBoard has become a very succesful product in the MacroMedics® product range. Our customers value its infinite possibilities for patient set-ups for various disease sites.

OmniBoard set-ups for various patient treatment sites

Head, neck & shoulder

Intracranial head only

SRS

Lung

Breast

Prostate

Abdominal

SBRT

Configure your OmniBoard

1
Select a type of thermoplastic mask system

2
Select a type of breast treatment module

3
Select a type of upper arm support

4
Select a type of KneeSupport

5
Select a type of FeetSupport
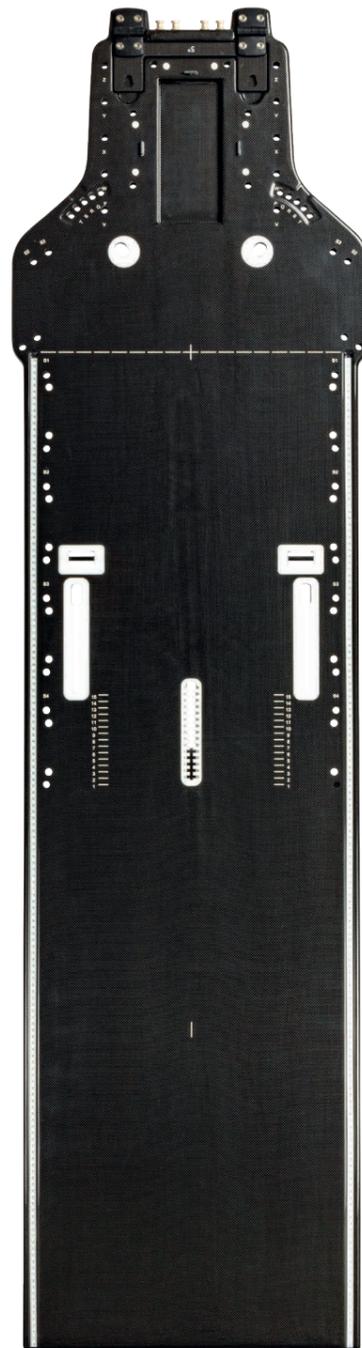
ExaFix

Breast Treatment Module LX

Rigid upper arm support

KneeSupport plastic

Fixed FeetSupport

S-Type

Breast Treatment Module SX

Height adjustable upper arm support

KneeSupport foam

Adjustable FeetSupport

RealEase
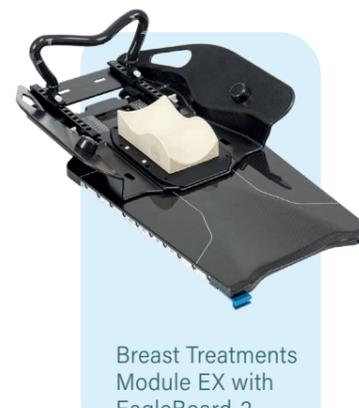
Breast Treatments Module EX with EagleBoard-2

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.

MultiBoard™

Disease Specific Care Platform

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.

Configure your MultiBoard Baseplate

SBRT

Prostate with mask

SRS

Prostate

Intracranial head only

Lung

Head, neck & shoulder

Breast
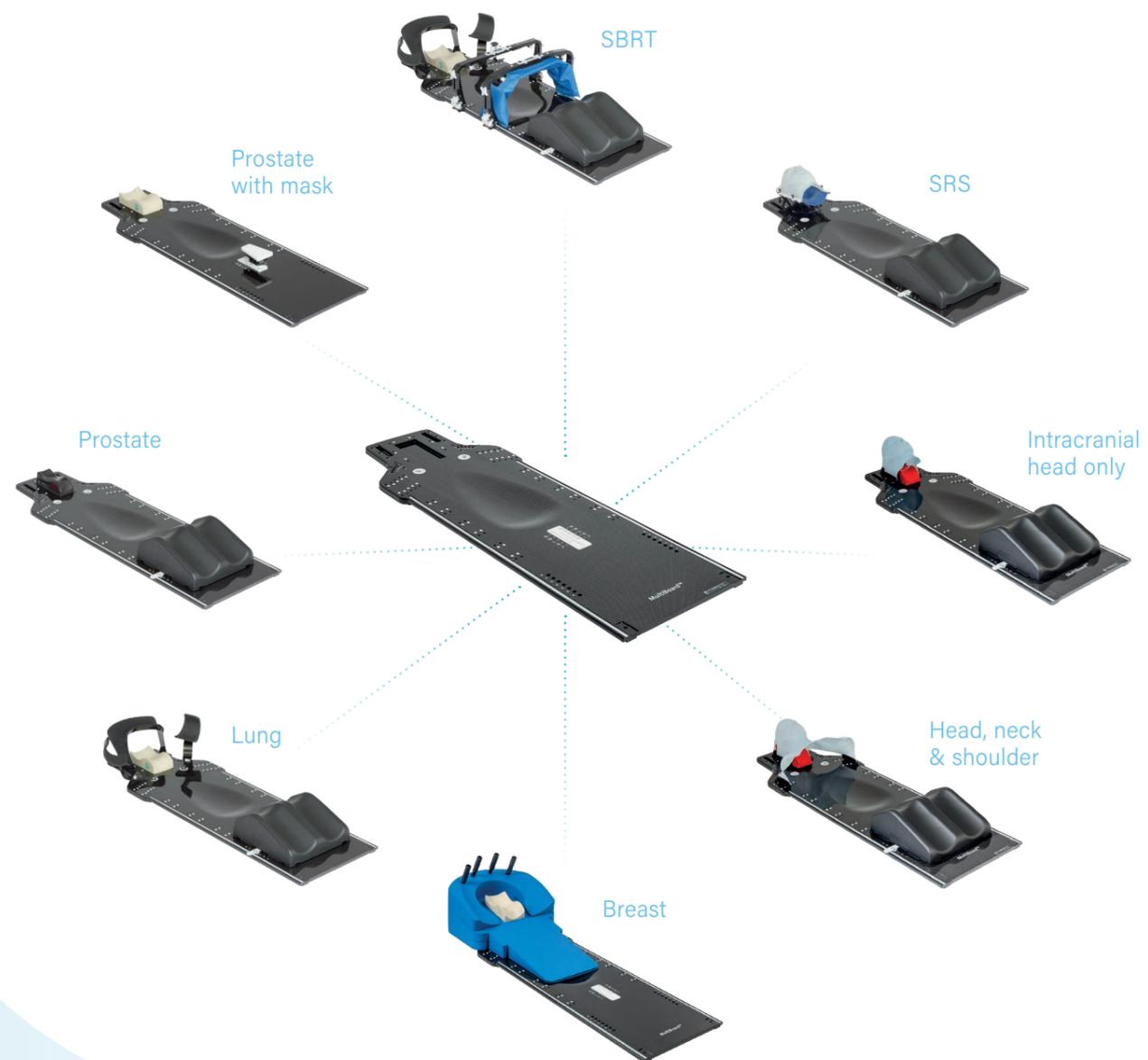
FluxBoard ™

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.
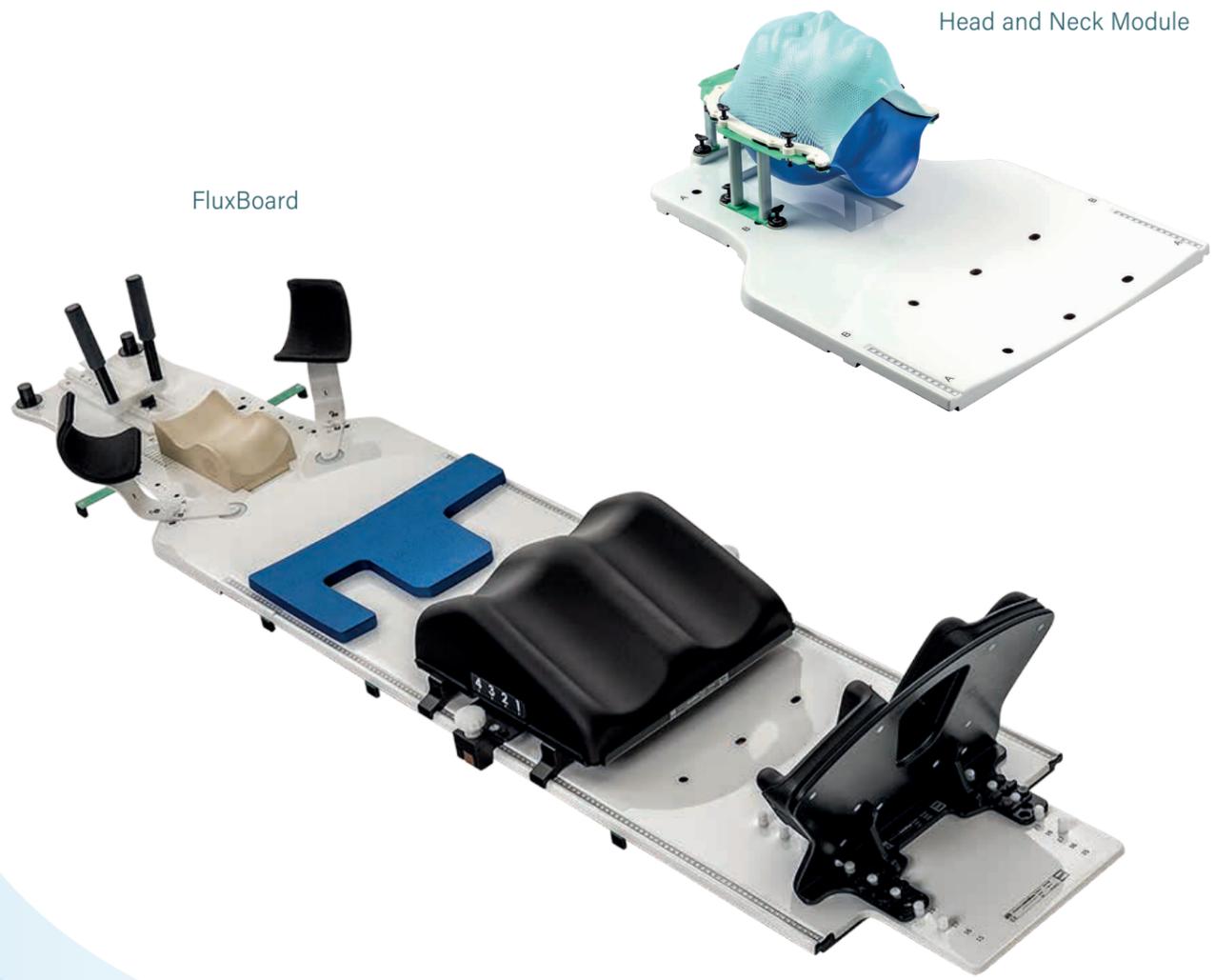
Head and Neck Module

FluxBoard

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
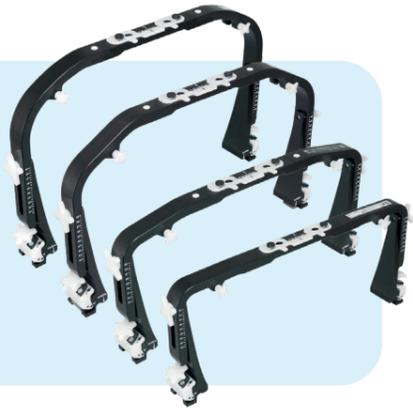
SBRT Secure Arches

Secure Arch, size XS	123700	SSA-XS
Secure Arch, size S	123600	SSA-S
Secure Arch, size M	123500	SA-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

Respiratory Suppression Belt

Respiratory Suppression Belt	126270	DSCP-CB
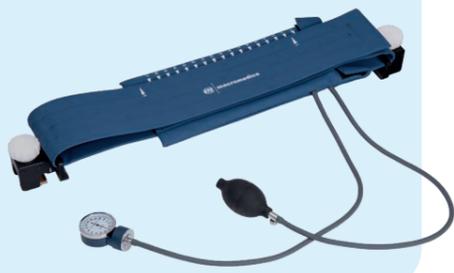
Arm Supports

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	126260	DSCP-HG

Vacuum Cushion Positiong System

Positioning System for vacuum cushions on RealEase OmniBoard or MultiBoard	173520	UTB-VCPSRE
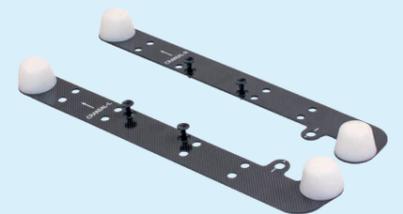
MaxSupport Extender

MaxSupport™ Extender	121180	HS-EX

Breast & 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.

New

New

New

New

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 two couchstrips. 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).

or

Breast Treatment Module EX

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

or

Breast Treatment Module LX

Very similar to our succesful 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

ThoraxSupport with CouchStrips

ThoraxSupport short

ThoraxSupport for MR

BreastBoard SX™ and LX™

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.

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.

Bottomstop

Bottomstop with bottomstop adaption

EagleBoard™

Breast and Thorax

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 with U-Grip

EagleBoard with T-Grip

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 two couchstrips. 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.

EagleBoard-2 front view
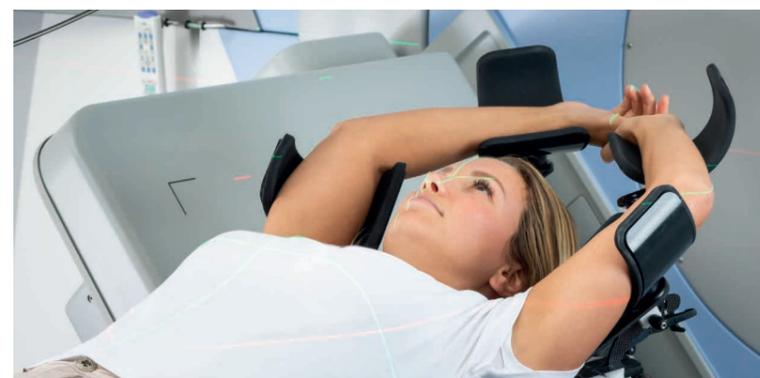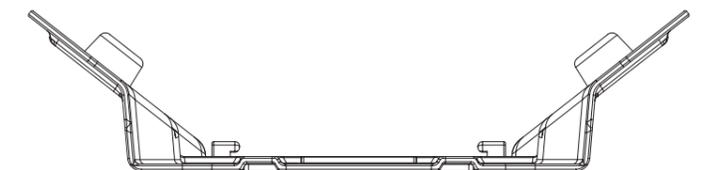
PELVIS, ABDOMEN & EXTREMITIES

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.

| KneeSupport foam | KneeSupport plastic | KneeSupport low | KneeSupport liftblock |

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 can be indexed directly on the couchtop and allows the feet to be positioned at four different indexed angles.

Fixed FeetSupport   Rotatable FeetSupport

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[1] 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[3].

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.

Pelvic Prone Board
with small cushion

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.

Pelvic Prone Board, MR
with indexable Pron Pillo

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.
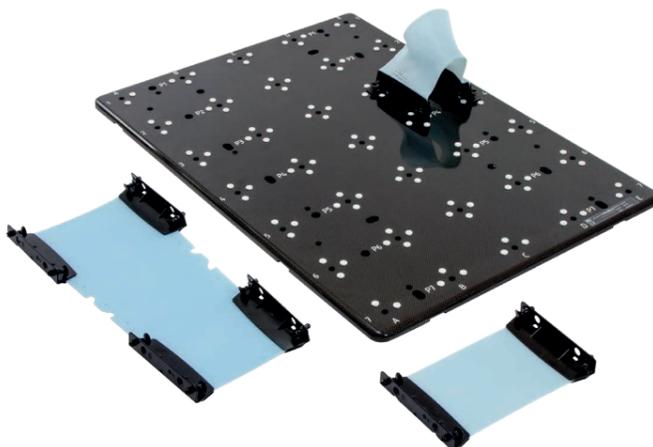
Features:

• Multifunctional baseplate
• Various thermoplastics available
  for extremity positioning
• Indexable
• An MR safe version is available

MISCELLANEOUS

CouchTops™

Miscellaneous

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.

Exact slots

Ibeam slots

CouchStrips™

Miscellaneous

Varian

- 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

Elekta 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

ViewRay

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

VBCS CF

- 155870 Vacuum bag positioning strip, CF
- 155950 Vacuum bag positioning strip, GF for MR

Prodigy

- 147170 Prodigy Mini Couchstrip Fixed 530, CF
- 147270 Prodigy Mini CouchStrip Tranverse, 530, CF

VacuumCushions™

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. Two vacuum pumps are available: a basic single function pump and a dual function pump. The 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

▪ Radiotranslucent

▪ Cost-effective

▪ Suitable for use in the MR environment

▪ Adapters available for pumps with CPC connector
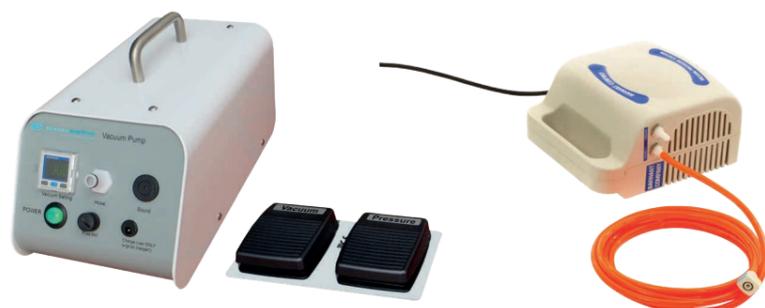
Bolus

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/cm^3. 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.

BOLX with skin

BOLX without skin

Thermoplastic bolus

Thermoplastic bolus properties:

Thickness:	3.2 or 4.8 mm
Colour	Orange
Waterbath temperature:	65-70 degrees Celsius.
Time in the waterbath:	2-3 minutes
Indication for attenuation:	0,5% absorption per mm Bolus at 6MV
	0,35% absorption per mm bolus at 10MV

MacroBath and Oven

Waterbath & Oven

The design of the stainless steel MacroBath water bath type 3 perfectly accommodates MacroCast thermoplastic materials. The MacroBath water bath is electronically controlled and digitally adjustable.

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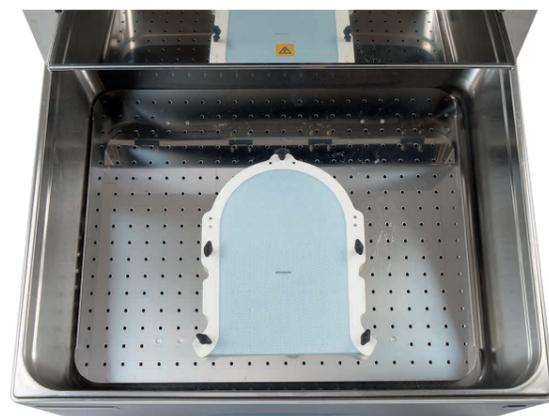
MacroBath 3
External dimensions 54 x 66 x 35 cm (incl handgrips)
Working plane 50.5 x 61 cm (maximum thermoplastic mask size)

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.

External dimensions: 79 x 64 x 13cm (31 x 25 x 5")
Internal dimensions: 66 x 51 x 5.8cm (26 x 20 x 2")

Products for use in MR

Miscellaneous

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, glass fiber, MR safe   Elevation blocks, glass fiber, MR safe   Wedges, glass fiber, 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

Head & Neck

SSPS Cradles

SSPS Cradle standard, for type-I baseplate	111110	SSPS-CHIH
SSPS Cradle standard, for RealEase systems	111120	SSPS-CHRE
SSPS Cradle standard, for S-Type baseplate	111520	SSPS-CHS
SSPS Cradle standard, for ExaFix systems	111620	SSPS-CHE
SSPS Cradle standard, Type-O	111600	SSPS-CHO
SSPS Cradle standard, Type-U	111630	SSPS-CHU

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

DSPS Cradles

DSPS Cradle Type MacroMedics RealEase	171210	DSPS-CTMHRE
DSPS Cradle Type MacroMedics ExaFix	112710	DSPS-CTMH
DSPS Cradle Type-O, High	112720	DSPS-CTOH
DSPS Cradle Type-S, High	112730	DSPS-CTSH
DSPS Cradle Type-VRT, High	112740	DSPS-CTVRH
DSPS Cradle Type-B, High	112750	DSPS-CTBH
DSPS Cradle Type-I, High	112760	DSPS-CTIH
DSPS Cradle Type-V, High	112780	DSPS-CTVH
DSPS Cradle Type-QA, High	112790	DSPS-CTQAH

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

Head and Neck RealEase Systems

RealEase baseplate, 2P	111300	SSPS-BMRE
RealEase baseplate, MR Safe, 3P	111350	SSPS-BMREMR
HeadTilt for RealEase systems, 25 degrees	171500	RE-EXT
HeadTilt for RealEase systems, 25 degrees, MR Safe	171520	RE-EXTMR

Head and Neck S-Type Systems

S-Type baseplate. 2P	111400	SSPS-BTS
S-Type baseplate, MR Safe, 3P	111450	SSPS-BTSMR
HeadTilt for S-Type systems, 25 degrees	171560	S-HT25
HeadTilt for S-Type systems, 25 degrees, MR Safe	171570	S-HT25MR

Head and Neck S-Type Systems

Shoulder depressor for use with RealEase or S-Type baseplate, set of 2	111250	SSPS-SHD
Handgrips for shoulder retraction for use with RealEase or S-Type baseplate, set of 2	111230	SSPS-HG
Shoulder depressor for use with RealEase or S-Type baseplate, MR conditional, set of 2	111290	SSPS-SHDM
Handgrips for shoulder retraction for use with RealEase or S-Type baseplate, MR conditional, set of 2	111280	SSPS-HGMR

Head and Neck ExaFix Systems

ExaFix-5, carbon fiber baseplate, 5-pts fixation	110100	EXF-5
ExaFix-3, carbon fiber baseplate, 3-pts fixation	110120	EXF-3
ExaFix-5A, acrylic baseplate, 3P, MR Safe	110140	EXF-5A
ExaFix-3A, acrylic baseplate, 3P, MR Safe	110160	EXF-3A
ExaTilt, 25 degrees	110200	EXT
ExaTilt, 25 degrees, MR Safe	110240	EXTMR
ExaFix Pediatric, carbon fiber baseplate, 5-pts fixation	110250	EXF-PED
ExaFix IMRT Baseplate, fit for Varian IGRT couchtop	110110	EXF-IMRT/VAIGRT
ExaFix IMRT Baseplate, fit for Varian Exact couch, extended version	111130	EXF-IMRT/VAEXEX
ExaFix IMRT Baseplate, fit for Elekta iBeam evo couchtop	110180	EXF-IMRT/EIMI
ExaFix IMRT Baseplate, fit for Elekta Precise/C-arm couchtop	110190	EXF-IMRT/ELPR
ExaFix IMRT Baseplate, fit on flat table top, carbon fiber, 3P	110280	EXF-IMRT/CF
ExaFix IMRT Baseplate, fit on flat MRI table top, glass fiber, 3P	110290	EXF-IMRT/GF

MaxSupports, Blocks & Wedges

MaxSupports, type HS2/3/4, set of 3	117100	HSSET
MaxSupports wideshaped, type HS5/6/7, set of 3	117000	HSSETW
MaxSupports carbon fiber, type HS25/35/45, set of 3	117105	HSSETCF
MaxSupport S-Line, carbon fiber, set of 4	116350	HS-SSET
Carbon fiber wedges, set of 3	110700	CFW3SET
Carbon fiber elevation blocks, set of 2	110780	CFB2SET

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

Thermoplastic Masks and Accessories

See pages 11 and 14 for the product codes of the Thermoplastic Masks SSPS and DSPS and pages 18 to 20 for the product codes of the MacroCast.

MacroBath3 for thermoplastic masks, max. mask size 50,5x61cm, 230V	154300	WB3
MacroMedics Convection Oven	154400	MCOV

Disease Specific Care Platform

OmniCouch, OmniBoard and MultiBoard - Page 36 - 44

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

OmniBoard 2.0

OmniBoard 2.0 RealEase	174920	OMB2-BPRE
OmniBoard 2.0 RealEase for HexaPod system	174930	OMB2-BPREH
OmniBoard 2.0 S-Type	175820	OMB2-BPS
OmniBoard 2.0 S-Type for HexaPod system	175830	OMB2-BPSH
OmniBoard 2.0 ExaFix	126820	OMB2-BPEXF
OmniBoard 2.0 ExaFix for HexaPod system	126830	OMB2-BPEXFH

MultiBoard

MultiBoard Realease Basic Treatment Package	174400	UTB-BAPARE
MultiBoard RealEase Premium Package	174450	UTB-PRPRE
Thorax tilting set for MultiBoard (5 and 10 degrees inclination)	115420	UTB-TTSET

Breast Treatment Module Package

Breats Treatment Module package SX RealEase	174950	BTMPSXRE
Breast Treatment Module package SX S-Type	175850	BTMPSXS
Breast Treatment Module package SX ExaFix	126850	BTMPSXEXF
Breast Treatment Module package LX (RealEase incl. arm supports)	173620	BTMPLXR
Breast Treatment Module package EX with EagleBoard-2	172170	BTMPEB2

SBRT Accessories

SBRT Secure Arch, size XS	123700	SSA-XS
SBRT Secure Arch, size S	123600	SSA-S
SBRT Secure Arch, size M	123500	SSA-M
SBRT Secure Arch, size L	123400	SSA-L
SBRT Secure Arch, HexaPod systems, size XS	123760	SSA-XSH
SBRT Secure Arch, HexaPod systems, size S	123660	SSA-SH
SBRT Secure Arch, HexaPod systems, size M	123560	SSA-MH
SBRT Secure Arch, HexaPod systems, size L	123460	SSA-LH
Respiratory Suppression Plate for SBRT Secure Arches, size S	123530	EA-BPPS
Respiratory Suppression Plate for SBRT Secure Arches, size L	123540	EA-BPPL
Respiratory Suppression Belt	126270	DSCP-CB
Abdominal vacuum cushion, size S	123450	EA-VS
Abdominal vacuum cushion, size XL	123470	EA-VXL

High Bridge Support for lower arms, RealEase	173530	HBSRE
Handgrips for shoulder retraction, set of 2	126260	DSCP-HG
Middle Block for pelvis masks on MultiBoard RealEase	174480	UTB-MBRE
Middle Block for pelvis masks on OmniBoard RealEase	174580	UATB-MBRE
Positioning System for vacuum cushions on RealEase OmniBoard or MultiBoard	173520	UTB-VCPSRE

SBRT Treatment package MR Conditional

Premium accessories package	173700	SBRTAP
Premium accessories for HexaPod system package	173710	SBRTAPH

SRS Treatment Package

SRS Treatment package, SSPS cradle RealEase	111010	SRS-RE
SRS Treatment package, SSPS cradle S-Type	111030	SRS-S
SRS Treatment package, SSPS cradle ExaFix	111050	SRS-EXF

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

FluxBoard

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

EAMIS Lite

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

DSCP Accessories

UTB rigid upper arm support, set of 2	125300	UTB-RAS
UTB Rigid uper arm support, set of 2, MR Conditional	125310	UTB-RASMR
Height adjustable arm support fit for OmniBoard, MultiBoard, BreastBoard SX, set of 2	125320	DSCP-AAS
Height adjustable arm support fit for OmniBoard, MultiBoard, BreastBoard SX, set of 2, MR Conditional	125320	DSCP-AAS
Cushion for shoulders to use with DSCP & SSPS baseplates	115160	CUSDSCP
KneeSupport, coated, 3P	130100	KS
KneeSupport, plastic, 3P	130140	KSP
KneeSupport low, plastic, 3P	130130	KSPL
FeetSupport, rotatable, 3P	130260	FSTS
FeetSupport, fixed, indexable on LEPS and DSCP platforms, 3P	130250	FSTSF
FeetSupport 2.0, rotatable	130460	FSTS2.0
FeetSupport 2.0, fixed	130450	FSTSF2.0

Breast & Thorax

FlexBoard

FlexBoard package EX with EagleBoard-2	172150	FBPEB2
FlexBoard package SX with rigid armsupports	172500	FBPSXR
FlexBoard package SX with height adjustable arm supports	172550	FBPSXA
FlexBoard package LX (RealEase incl. arm supports)	173630	FBPLXR

ThoraxSupport

ThoraxSupport	122100	LB1C
ThoraxSupport, MR Conditional	122150	LB1MR
ThoraxSupport Short	122650	LB1CS
ThoraxSupport Short, MR Conditional	122660	LB1MRS

BreastBoard SX

BreastBoard SX, with rigid arm supports	172400	MBSXR
BreastBoard SX, with height adjustable arm support	172450	MBSXA

BreastBoard LX

BreastBoard LX	122500	MBLXI
BreastBoard LX, MR Conditional	122750	MBLXIMR

EagleBoard

EagleBoard-2, including M-grip	122900	EB2
EagleBoard, 3P, MR Safe including T- and U-Grip and MaxSupport 1	122800	EBTU
EagleBoard, 3P, MR Safe including T-Grip and MaxSupport 1	122810	EBT
EagleBoard, 3P, MR Safe including U-Grip and MaxSupport 1	122820	EBU

Breast & Thorax Accessories

High Bridge Support for BreastBoard LX/ThoraxSupport	122540	HBSBT
90 degree arm support for BreastBoard LX/ThoraxSupport, set of 2	122670	90BT
Height adjustable arm support fit for OmniBoard, MultiBoard, BreastBoard SX, set of 2	125320	DSCP-AAS
Handpoles for BreastBoard LX/ThoraxSupport, set of 2	122730	HGBT2
Handpoles with armcup for BreastBoard LX/ThoraxSupport, set of 2	122760	HGCBT2
T-Grip for EagleBoard, MR Safe	122860	EBTG
U-Grip for EagleBoard, MR Safe	122870	EBUG

Pelvic, Abdomen & Extremities

KneeSupport

KneeSupport, coated, 3P	130100	KS
KneeSupport, plastic, 3P	130140	KSP
KneeSupport low, plastic, 3P	130130	KSPL
KneeSupport LiftBlock, 3P	130120	KCB

FeetSupport

FeetSupport, rotatable, 3P	130260	FSTS
FeetSupport, fixed, indexable on LEPS and DSCP platforms, 3P	130250	FSTSF
FeetSupport 2.0, rotatable	130460	FSTS2.0
FeetSupport 2.0, fixed	130450	FSTSF2.0

LEPS

LEPS, Lower Extremity Positioning System complete, with tilting FeetSupport, 3P	130300	LEPS
LEPS, Lower Extremity Positioning System complete, with fixed FeetSupport, 3P	130310	LEPSF
LEPS, Lower Extremity Positioning System, baseplate, 3P	130200	LEPSBP
LEPS, Lower Extremity Positioning System, baseplate, short, 3P	130420	LEPSBPS

Pelvic Prone Board

Pelvic Prone Board, carbon fiber, with small prone cushion	130600	PPBCSPC
Pelvic Prone Board, glass fiber, with small prone cushion, MR Safe	130650	PPBGSPC
Indexable Pron Pillo for the Pelvic Prone Board	116850	PPBB

Lex-Ultra

LEX-Ultra positioning system for lower extremities with middle block	132100	LEXU
LEX-Ultra positioning system for lower extremities with middle block, MR Safe	132150	LEXMR

UniqFix

UniqFix positioning system for extremities, carbon fiber	135100	UNIQCF
UniqFix positioning system for extremities, MR Safe	135150	UNIQMR

Miscellaneous

CouchTops and CouchStrips

There are various different CouchStrips and side pieces. To find the right solution for your couchtop, please contact your local distributor.

Vacuum Cushions

Vacuum cushion, head support, 30x40cm, 3L	155110	VHS3040
Vacuum cushion, head support, 25x50cm, 3L	155140	VHS2550
Vacuum cushion, head & shoulder support, T-shape, 50x70cm, 5L	155150	VHSS5070
Vacuum cushion, breast support, 50x70cm, 8L	155210	VBRS5070
Vacuum cushion, pelvic support, 65x65cm, 13L	155300	VPS6565
Vacuum cushion, body support, 100x70cm, 30L	155400	VBOS10070
Vacuum cushion, body support, 100x80cm, 30L	155410	VBOS10080
Vacuum cushion, body support, 120x80cm, 36L	155430	VBOS12080
Vacuum cushion, body support, 100x150cm 51L	155450	VBOS100150
Vacuum cushion, body support, 200x100cm, 85L	155510	VBOS200100
Vacuum cushion, body support, T-shape 120x120cm, 85L	155520	VBOS120120T
Vacuum Pump, 230 V	155800	VP
Dual function Vacuum Pump, incl. tube and connector, 230 V	155810	VPF

BOLX and Thermoplastic Bolus

BOLX1 15x15x1,0 cm with skin	153170	BS151510
BOLX1 15x15x0,5 cm with skin	153180	BS151505
BOLX1 30x30x1,0 cm with skin	153110	BS303010
BOLX1 30x30x0,5 cm with skin	153120	BS303005
BOLX1 40x40x1,0 cm with skin	153130	BS404010
BOLX1 40x40x0,5 cm with skin	153140	BS404005
BOLX1 50x50x1,0 cm with skin	153150	BS505010
BOLX1 50x50x0,5 cm with skin	153160	BS505005
BOLX2 30x30x1,0 cm without skin	153310	B303010
BOLX2 30x30x0,5 cm without skin	153320	B303005
BOLX2 40x40x1,0 cm without skin	153330	B404010
BOLX2 40x40x0,5 cm without skin	153340	B404005
BOLX2 50x50x1,0 cm without skin	153350	B505010
BOLX2 50x50x0,5 cm without skin	153360	B505005
MacroCast non perfo plate 3,2 mm, 30x30 cm	153210	BMCN32
MacroCast non perfo plate 5 mm, 30x30 cm	153220	BMCN48

Contact MacroMedics® or your local distributor for detailed information or an on-site product demonstration.

MacroMedics products are CE marked as a 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.
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All other trademarks are property of their respective owners.
DSPS is a patented system: EP 3130289, US 9808648, IN 2440KOLNP2014, NL 1039586 and WO 2013167689.

References
1 Dosimetric properties of MacroMedics products have been measured and are available on the MacroMedics website.
2 Data on DSPS accuracy and comfort:
   EP-1506: Evaluation of cranial setup accuracy: a double shell positioning system versus an in-house 3-point mask solution Van der Meer, S. et al. Radiotherapy and Oncology, Volume 115, S819 - S820 OC-0077: Comparison of setup accuracy, intrafractionmovement and comfort for two stereotactic masks Meunier, C. et al. Radiotherapy and Oncology, Volume 123, S40. This data is available for download on the MacroMedics® website.
3 Reduction of irradiated small bowel volume and accurate patient positioning by use of a bellyboard device in pelvic radiotherapy of gynecological cancer patients Olofsen-van Acht, Manouk et al. Radiotherapy and Oncology, Volume 59, Issue 1, 87 - 93 Systematic review of the role of a belly board device in radiotherapy delivery in patients with pelvic malignancies Wiesendanger-Wittmer, Esther M. et al. Radiotherapy and Oncology, Volume 102, Issue 3, 325 - 334.
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".

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NOTES

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SOLUTIONS IN RADIOTHERAPY

MacroMedics B.V.

Oostbaan 670
2841ML Moordrecht
The Netherlands

+31(0)182 389 777
info@macromedics.com
www.macromedics.com