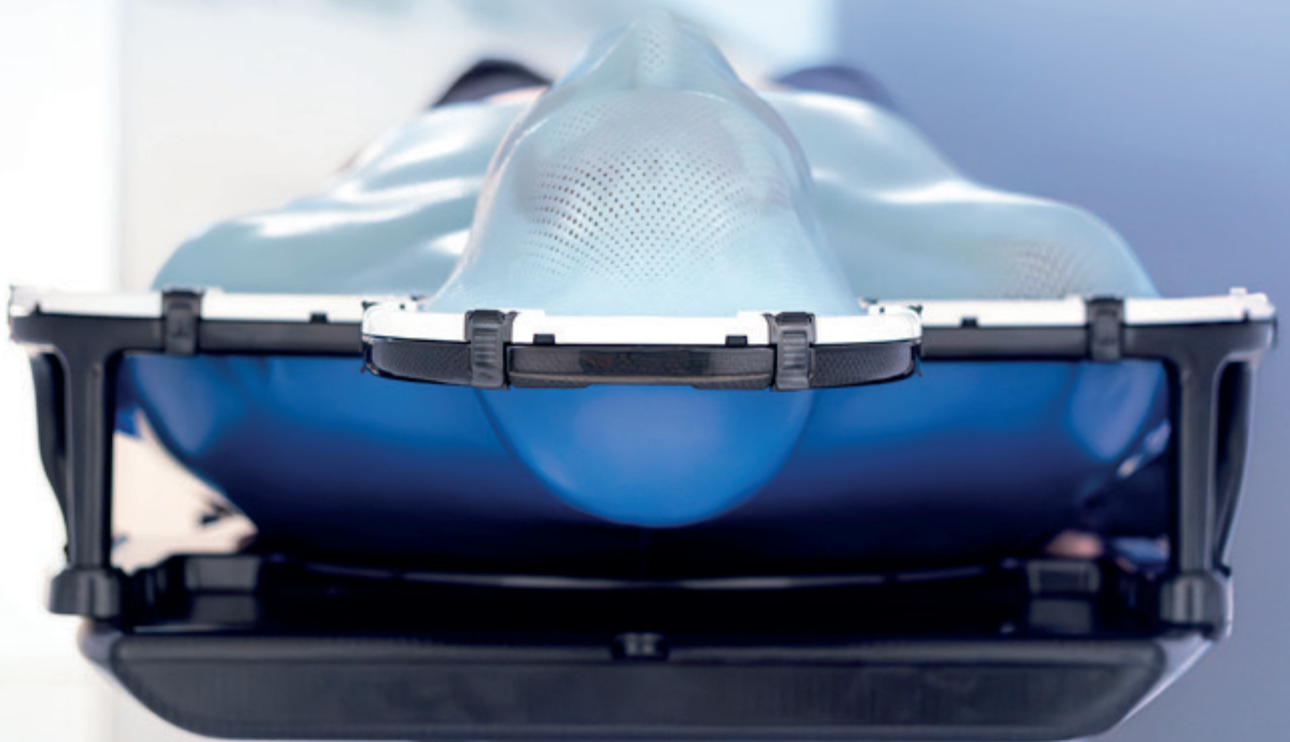


PRODUCT CATALOGUE version 9

SOLUTIONS IN RADIOTHERAPY



macromedics

SOLUTIONS IN RADIOTHERAPY

MacroMedics®

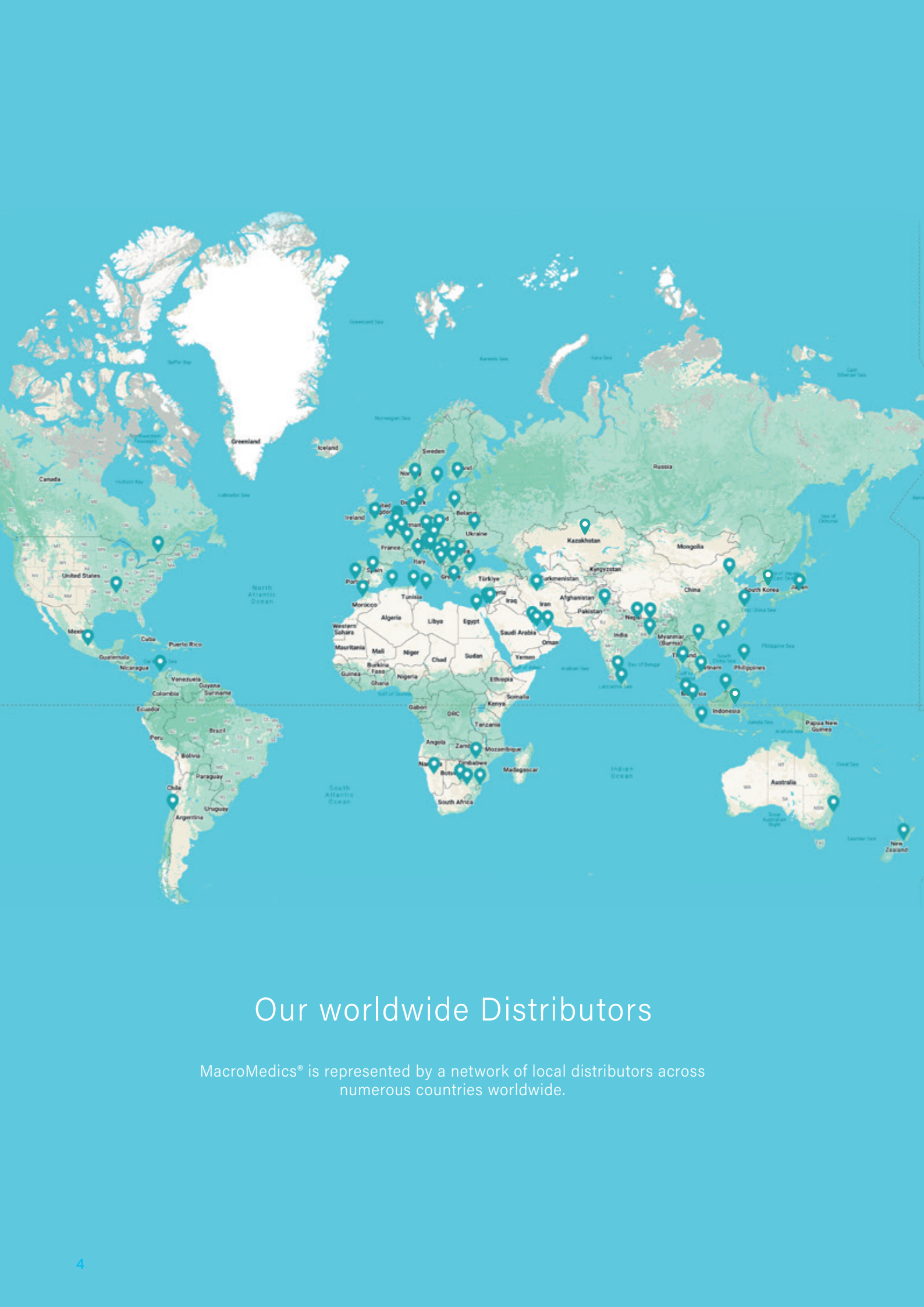
"Patient comfort is patient control"

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

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.

Celebrating
15 years
Since 2010





Our worldwide Distributors

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

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HEAD AND NECK

positioning

DSPS-*Prominent*®

The next generation in head, neck and shoulder immobilization.

DSPS-*Prominent*® is the latest advancement in the renowned Double Shell Positioning System (DSPS®) product line. With its unique cantilevered frame and expansion of the treatment area to the full head, neck and shoulder region, DSPS-*Prominent*® offers personalized comfort and high treatment accuracy.



DSPS-Prominent®

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

- Features include:
 - Cantilevered frame which ensures 360° of freedom.
 - 100% personalized patient positioning for the head, neck & shoulders.
 - Lightweight and user-friendly.
 - Sleek design which enables reference-frame compatibility.



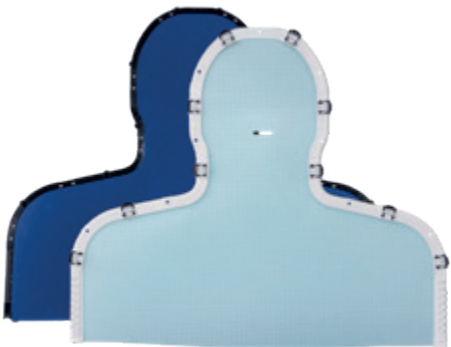
DSPS-Prominent® Cradle - 113140

DSPS-Prominent® baseplate - 113120

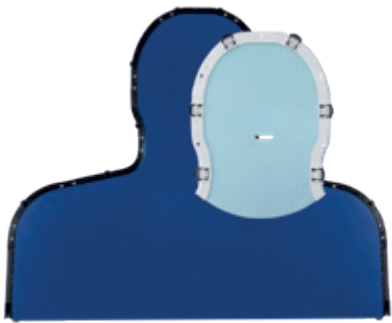
• DSPS-Prominent® baseplate,	113120	DSPS-PRO
• DSPS-Prominent® Cradle for DSCP, RealEase & S-Type	113140	DSPS-PCHI
• DSPS-Prominent® Cradle for CVC	113160	DSPS-PCHIII
• DSPS-Prominent® Cradle for MacroMedics® S-Type baseplate (old model)	113170	DSPS-PCHIV
• DSPS-Prominent® Cradle for KLA	113180	DSPS-PCHVI
• DSPS-Prominent® Cradle for QFX	113260	DSPS-PCHVII

DSPS-Prominent® Thermoplastic mask options

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



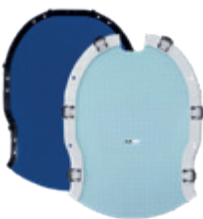
DSPS-Prominent® head, neck and shoulders mask set - 113960



DSPS-Prominent® combination set facial head and occipital head and shoulders - 113770



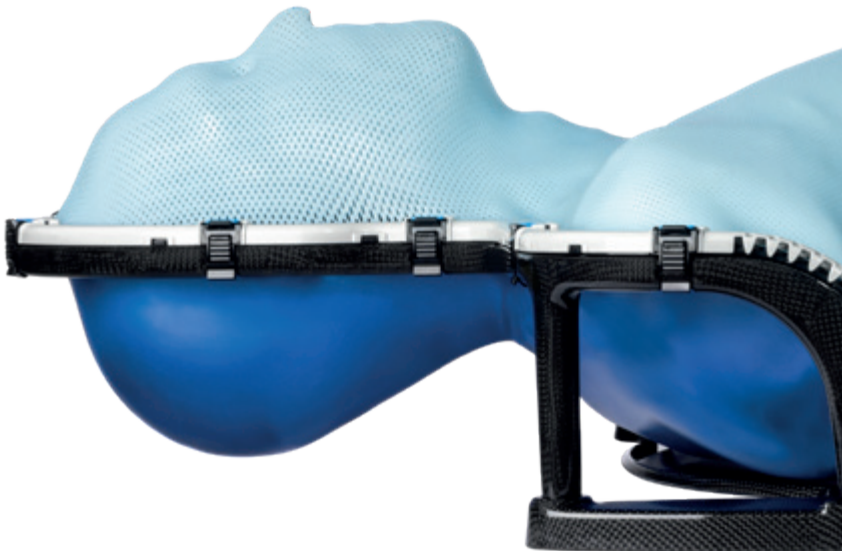
DSPS-Prominent® head, neck & shoulders mask set long hair - 113980



DSPS-Prominent® head only mask set long hair - 113920



DSPS-Prominent® head, neck and shoulders mask set open face - 113970



For more DSPS-Prominent® mask combinations go to page 15.

DSPS-Prominent®

Maskless with SGRT

The DSPS-Prominent® system combined with surface-guided radiation therapy (SGRT) offers an advanced solution for patients who cannot tolerate standard thermoplastic masks. This unique approach, featuring a personalized posterior shell, delivers clinical accuracy with increased patient comfort.¹



Marion Essers, Medical Physicist at Instituut Verbeeten, The Netherlands

“By replacing traditional face masks with SGRT and a dorsal shell, we can offer H&N cancer patients a more comfortable radiotherapy treatment experience without sacrificing the treatment accuracy¹.

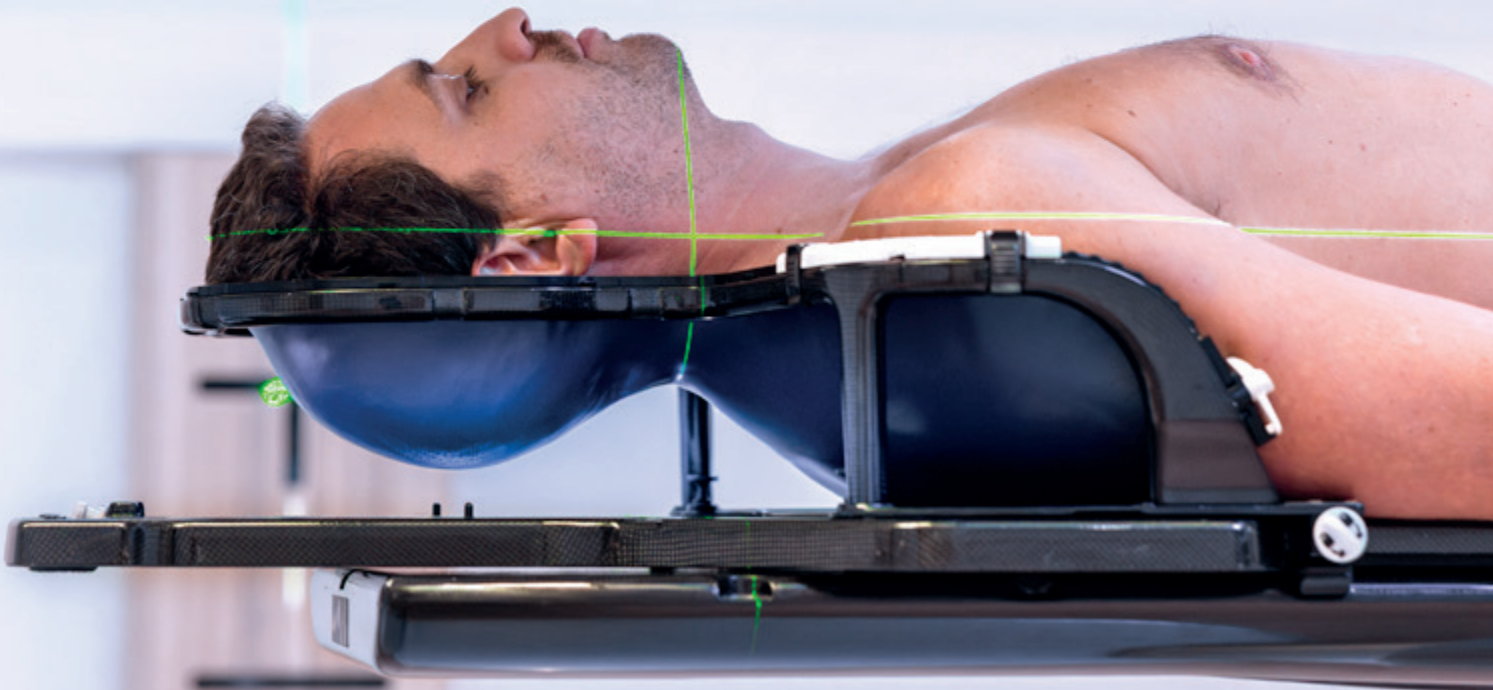
This technique is just as precise as using a traditional mask, but it significantly improves patient comfort. For many patients it is a big relief not to have to wear a face mask during treatment.”

Dr. Paul Lesueur, Centre de Radiothérapie Guillaume le Conquérant, Le Havre

“The DSPS-Prominent® with Vision RT® provides a safe and effective alternative for patients who previously refused treatment due to mask intolerance.”

Jonathan Dadoun, Physicist, Centre de Radiothérapie Guillaume le Conquérant, Le Havre

“The DSPS-Prominent® posterior mask stabilizes the head, neck, and shoulders with high reproducibility, comparable to traditional full-face masks. Vision RT® technology continuously monitors patient position using surface guidance. Any movement outside pre-set thresholds is immediately detected.”



Intrafraction motion of patient during 'maskless' treatment with the DSPS-Prominent® system

Mean ± 1 SD	CBCT	SGRT
Vertical (mm)	0.0 ± 0.9	0.1 ± 1.0
Longitudinal (mm)	0.2 ± 1.0	0.0 ± 0.9
Lateral (mm) ³	0.0 ± 0.8	0.0 ± 0.7
Pitch (°) ³	0.0 ± 0.6	-0.1 ± 0.6
Roll (°) ³	0.0 ± 0.7	-0.1 ± 0.5
Rotation (°) ³	0.1 ± 0.5	0.1 ± 0.4

Data courtesy of Instituut Verbeeten, Department of Radiation Oncology, Tilburg, The Netherlands, as published in the Green Journal of Radiation and Oncology¹

Why maskless treatment with DSPS-*Prominent*®?



Maximum comfort

Avoids claustrophobia and discomfort, especially needed for patients with tracheostomies, hypersalivation, or psychological stress.



Uncompromised precision

Submillimeter accuracy and consistent reproducibility when combined with SGRT.^{1 & 3}



Fewer interruptions

Less than 4% of treatments require repositioning, enhancing workflow and reducing treatment time.¹



Reduced re-scans & re-plans

Eliminates issues caused by changing anatomy, no pressure from mask fit, no unnecessary replanning.



Clinically proven margins

Routine 3–4 mm PTV margins maintained safely throughout treatment.^{1 & 3}



Integrated compatibility

Fully compatible with CBCT, SGRT, and MR-guided techniques. Options available for both cradles and baseplates.



DSPS-*Prominent*® head, neck and shoulders
occipital mask only - 113990



DSPS-*Prominent*® combination set facial head
and occipital head and shoulders,
open face - 113780



DSPS-*Prominent*® combination set facial head
and occipital head and shoulders,
long hair, open face - 113760

DSPS-*Prominent*® MR

The DSPS-*Prominent*® MR baseplate is designed to create optimal patient positioning inside the dedicated MR Head Coil for improved imaging quality during MRI procedures as part of conventional or MR-only workflows.

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

Designed for the dedicated MR Head Coil



DSPS-*Prominent*® baseplate, MR Safe - 113820



Conclusion:

For the DSPS-*Prominent*® mask the median intrafraction displacement was small

- <1mm for all regions except for C4-C6 within 10 min.
- <2mm for all regions and all time intervals.

Evaluation of the DSPS-*Prominent*® system's effectiveness, in treatment position with a phased-array coil, for reducing inter- and intrafraction displacements - Department of Radiotherapy, University Medical Center Utrecht²

• DSPS- <i>Prominent</i> ® baseplate, MR Safe	113820	DSPS-PROMR
• DSPS- <i>Prominent</i> ® Cradle for DSCP, RealEase & S-Type, MR Safe	113140	DSPS-PCHIMR
• DSPS- <i>Prominent</i> ® Cradle for CVC, MR Safe	113160	DSPS-PCHIIIMR
• DSPS- <i>Prominent</i> ® Cradle for MacroMedics® S-Type baseplate (old model), MR Safe	113880	DSPS-PCHIVMR





SSPS® Cradle types

• 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.

SSPS® Mask Types
non-shrinking thermoplastics⁷

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 shrinkage⁷.

Head-only Masks

Supine



115510

Open-face supine




115810

- SSPS® Mask head only, set of 10
- SSPS® Mask head only, open face, set of 10

115510	SSPS-F
115810	SSPS-FVR


Head, Neck and Shoulder Masks

ExaFix




115520

Type-O




115620

Type-S or RealEase



115720

Open face option



115820

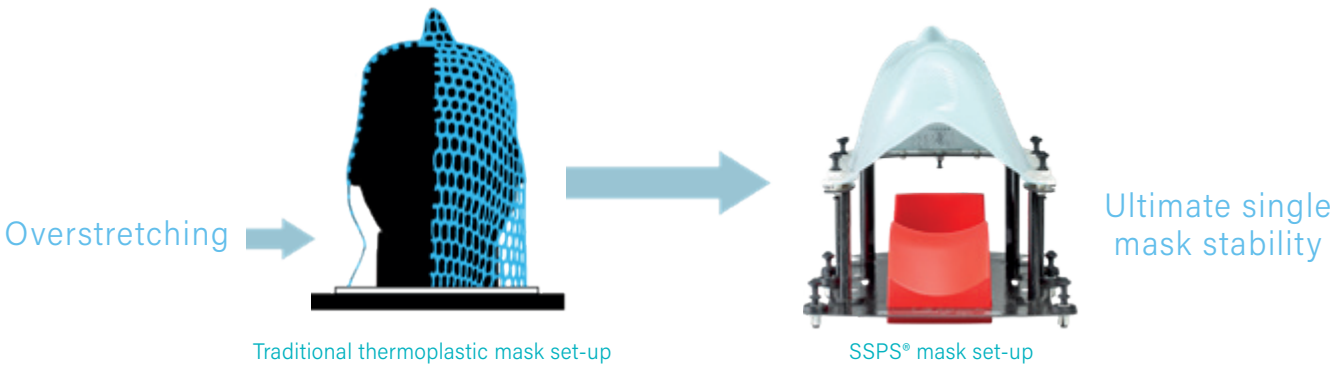
- SSPS® Mask ExaFix head and shoulders, set of 10
- SSPS® Mask Type-O head and shoulders, set of 10
- SSPS® Mask Type-S or RealEase head and shoulders, set of 10
- SSPS® Mask Supine, open face, head and shoulders, S-profiles, set of 10

115520	SSPS-FS
115620	SSPS-FSO
115720	SSPS-FSS
115820	SSPS-FSVRS

SSPS®
Single Shell Positioning System

The MacroMedics® Single Shell Positioning System (SSPS®) 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.



DSPS®

Double Shell Positioning System

The MacroMedics® Double Shell Positioning System (DSPS®) strikes the perfect balance among the often competing aspects of patient comfort, accuracy⁵ 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 accuracy⁵ 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 courtesy of MAASTRO Clinic,
University Medical Center,
Maastricht, The Netherlands⁵



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
non-shrinking thermoplastics⁷

DSPS® head only masks



•	DSPTS® Mask set supine head only, set of 5	114510	DSPTS-FOS
•	DSPTS® Mask set supine head only, for long hair, set of 5	114560	DSPTS-FOSL
•	DSPTS® Mask set supine head, no nose, set of 5	114500	DSPTS-FOSNN
•	DSPTS® Mask set prone head only, set of 5	114530	DSPTS-FOP
•	DSPTS® Mask set supine head only, open face, set of 5	114410	DSPTS-FOSVR
•	DSPTS® Mask set supine head only, open face, for long hair, set of 5	114460	DSPTS-FOSVRL
•	DSPTS® Mask set Environ supine head only, set of 5	114750	DSPTS-FOSEVR
•	DSPTS® Mask set Environ supine head only, open face, set of 5	114770	DSPTS-FEVRO
•	DSPTS® Mask set Environ supine head only, neck extension, set of 5	114780	DSPTS-FEVRONE

DSPTS® head, neck and shoulder masks



•	DSPTS® Mask set for ExaFix supine head and shoulder, set of 5	114520	DSPTS-FSOS
•	DSPTS® Mask set for ExaFix supine head and shoulder for long hair, set of 5	114570	DSPTS-FSOSL
•	DSPTS® Mask set Type-O supine head and shoulder, set of 5	114620	DSPTS-FSOSO
•	DSPTS® Mask set Type-O supine head and shoulder for long hair, set of 5	114670	DSPTS-FSOSOL
•	DSPTS® Mask set Type-S or RealEase supine head and shoulder, set of 5	114320	DSPTS-FSOSS
•	DSPTS® Mask set Type-S or RealEase supine head and shoulder, long hair, set of 5	114370	DSPTS-FSOSSL
•	DSPTS® Mask set supine, open face, head and shoulder, S-profiles, set of 5	114420	DSPTS-FSOSVRS
•	DSPTS® Mask set supine, open face, head and shoulder, long hair, S-profiles, set of 5	114470	DSPTS-FSOSVRL

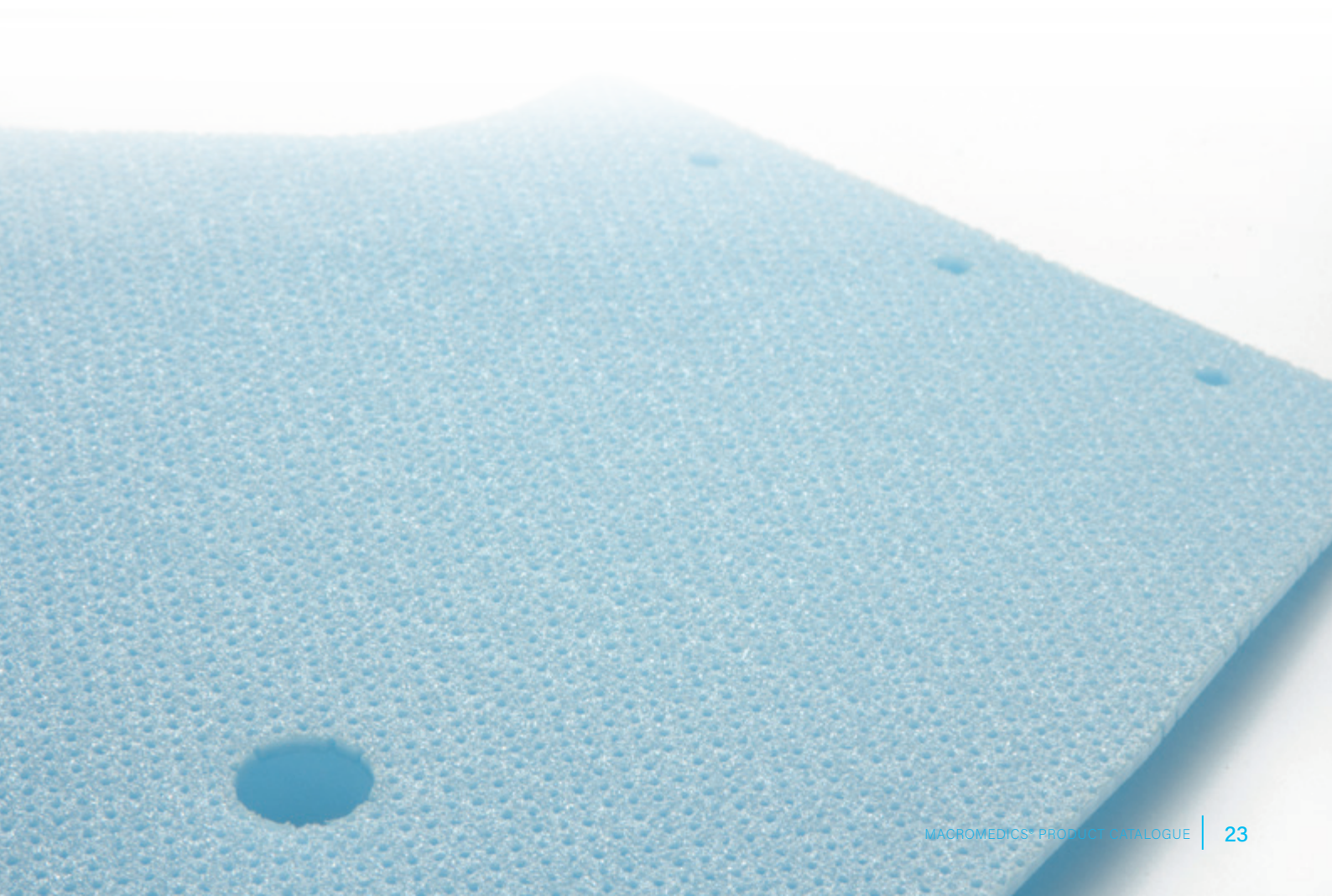
MacroCast®

Thermoplastic Masks

MacroCast® is a proven thermoplastic material, offering high rigidity, low shrinkage and near transparency while processing the material. MacroCast® is available with different perforations, coatings, shapes and profiles.

Physical-chemical properties of our thermoplastic masks

- Plastic “memory” and ease of remoulding
- X-ray transparency
- Long shelf life
- Biocompatibility
- Moisture resistance
- Excellent conformability
- Ease of application, removal and adjustment



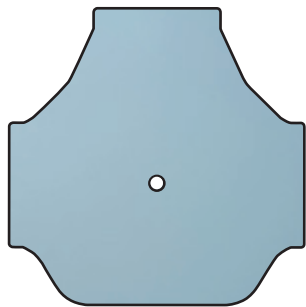


ExaFix profile

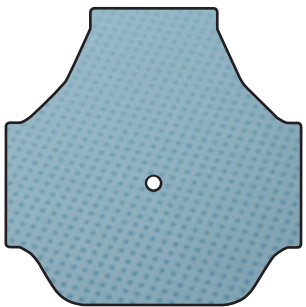
ExaFix profile masks

Available in 2,3mm mask thickness

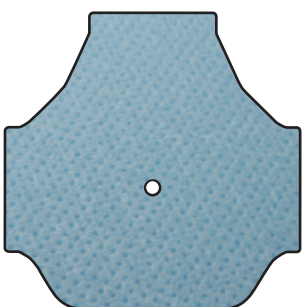
Available mask material perforation types for MacroCast® masks:



No perforation



Fine perforation



Fine perforation - comfort

The most common mask types are listed. Additional shapes are available, please contact your distributor for further information.

MacroCast® 3-precut, fine perfo, L-profiles, set of 10	119530	LMCF-3
MacroCast® 3-precut, fine perfo, pediatric, L-profiles, set of 10	119535	LMCF-3P
MacroCast® 3-precut, fine perfo, open face, L-profiles, set of 10	119330	LMCF-3O
MacroCast® 3-precut, fine perfo, comfort, L-profiles, set of 10	117530	LMCFC-3
MacroCast® 3-precut, fine perfo, comfort, pediatric, L-profiles, set of 10	117535	LMCFC-3P
MacroCast® 3-precut, non perfo, L-profiles, set of 10	119730	LMCN-3
MacroCast® 4-precut, fine perfo, L-profiles, set of 10	119540	LMCF-4
MacroCast® 4-precut, fine perfo, open face, L-profiles, set of 10	119340	LMCF-4O
MacroCast® 4-precut, fine perfo, comfort, L-profiles, set of 10	117540	LMCFC-4
MacroCast® 4-precut, non perfo, L-profiles, set of 10	119740	LMCN-4
MacroCast® 5-precut, fine perfo, L-profiles, set of 10	119550	LMCF-5
MacroCast® 5-precut, fine perfo, pediatric, L-profiles, set of 10	119555	LMCF-5P
MacroCast® 5-precut, fine perfo, open face, L-profiles, set of 10	119350	LMCF-5O
MacroCast® 5-precut, fine perfo, comfort, L-profiles, set of 10	117550	LMCFC-5
MacroCast® 5-precut, fine perfo, comfort, pediatric, L-profiles, set of 10	117555	LMCFC-5P
MacroCast® 5-precut, non perfo, L-profiles, set of 10	119750	LMCN-5



3-precut - 119530



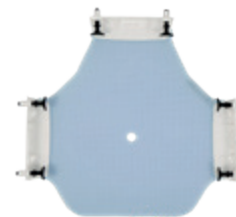
4-precut - 119540



5-precut - 119550



3-precut - 359530



4-precut - 359540



5-precut - 359450

RealEase profile masks

Available in 2,3mm mask thickness



RealEase profile

MacroCast® 3-precut, fine perfo, RE-profiles, set of 10	359530	REMCF-3
MacroCast® 3-precut, fine perfo, open face, RE-profiles, set of 10	359430	REMCF-3O
MacroCast® 3-precut, fine perfo, comfort, RE-profiles, set of 10	357530	REMCF-3
MacroCast® 3-precut, non perfo, RE-profiles, set of 10	359730	REMCN-3
MacroCast® 4-precut, fine perfo, RE-profiles, set of 10	359540	REMCF-4
MacroCast® 4-precut, fine perfo, open face, RE-profiles, set of 10	359440	REMCF-4O
MacroCast® 4-precut, fine perfo, comfort, RE-profiles, set of 10	357540	REMCF-4
MacroCast® 4-precut, non perfo, RE-profiles, set of 10	359740	REMCN-4
MacroCast® 5-precut, fine perfo, RE-profiles, set of 10	359550	REMCF-5
MacroCast® 5-precut, fine perfo, open face, RE-profiles, set of 10	359450	REMCF-5O
MacroCast® 5-precut, fine perfo, comfort, RE-profiles, set of 10	357550	REMCF-5
MacroCast® 5-precut, non perfo, RE-profiles, set of 10	359750	REMCN-5



O-profiles

O-profile masks

Available in 2,3mm mask thickness

MacroCast® 3-precut, fine perfo, O-profiles, set of 10	129530	OLMCF-3
MacroCast® 3-precut, fine perfo, pediatric, O-profiles, set of 10	129535	OLMCF-3P
MacroCast® 3-precut, fine perfo, comfort, O-profiles, set of 10	127530	OLMCF-3
MacroCast® 3-precut, non perfo, O-profiles, set of 10	129730	OLMCN-3
MacroCast® 4-precut, fine perfo, O-profiles, set of 10	129540	OLMCF-4
MacroCast® 4-precut, fine perfo, comfort, O-profiles, set of 10	127540	OLMCF-4
MacroCast® 4-precut, non perfo, O-profiles, set of 10	129740	OLMCN-4
MacroCast® 5-precut, fine perfo, O-profiles, set of 10	129550	OLMCF-5
MacroCast® 5-precut, fine perfo, pediatric, O-profiles, set of 10	129555	OLMCF-5P
MacroCast® 5-precut, fine perfo, comfort, O-profiles, set of 10	127550	OLMCF-5
MacroCast® 5-precut, fine perfo, comfort, pediatric, O-profiles, set of 10	127555	OLMCF-5P
MacroCast® 5-precut, non perfo, O-profiles, set of 10	129750	OLMCN-5



3-precut - 129530

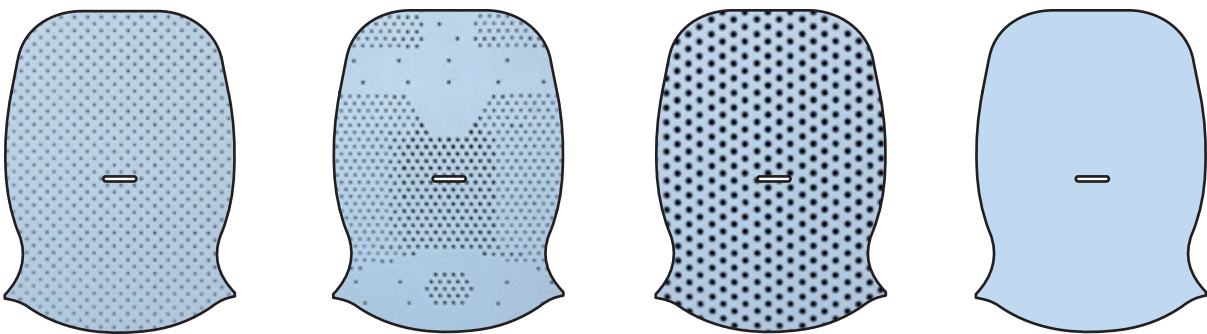


4-precut - 129540



5-precut - 129550

Available mask material perforation types for MacroCast® S-Type and U-frame masks:



Standard perforation

Selective perforation

Multi perforation

No perforation

S-Type profile masks - Premium (blue thermoplastics)

2,3 mm mask thickness, set of 10

• MacroCast® Premium S-Type, standard perforation, head only	364110	TSS-HO
• MacroCast® Premium S-Type, standard perforation, head only, neck extension	364180	TSSPNE-HO
• MacroCast® Premium S-Type, standard perforation, head, neck & shoulders	364410	TSS-HNS
• MacroCast® Premium S-Type, selective perforation, head only	364130	TSRP-HO
• MacroCast® Premium S-Type, selective perforation, head, neck & shoulders	364430	TSRP-HNS
• MacroCast® Premium S-Type, selective perforation, neck relief, head, neck & shoulders	364470	TSRPNR-HNS
• MacroCast® Premium S-Type, non perfo, head only	366110	TSN-HO
• MacroCast® Premium S-Type, non perfo, head, neck & shoulders	366410	TSN-HNS

3,0 mm mask thickness, set of 10

• MacroCast® Premium S-Type, multi perforation, head only	363150	TSMP3-HO
• MacroCast® Premium S-Type, multi perforation, head only, neck extension	363180	TSMPNE3-HO
• MacroCast® Premium S-Type, multi perforation, head, neck & shoulders	363450	TSMP3-HNS
• MacroCast® Premium S-Type, selective perforation, head only	363130	TSRP3-HO
• MacroCast® Premium S-Type, selective perforation, open face, head only	363140	TSRPO3-HO
• MacroCast® Premium S-Type, selective perforation, head, neck & shoulders	363430	TSRP3-HNS
• MacroCast® Premium S-Type, selective perforation, open face, head, neck & shoulders with neck opening	363440	TSRPO3-HNS
• MacroCast® Premium S-Type, selective perforation, neck relief, head, neck & shoulders	363470	TSRPNR3-HNS
• MacroCast® Premium S-Type, non perfo, head only	367110	TSNP3-HO
• MacroCast® Premium S-Type, non perfo, head, neck & shoulders	367410	TSNP3-HNS

S-Type profile masks - Standard (white thermoplastics)

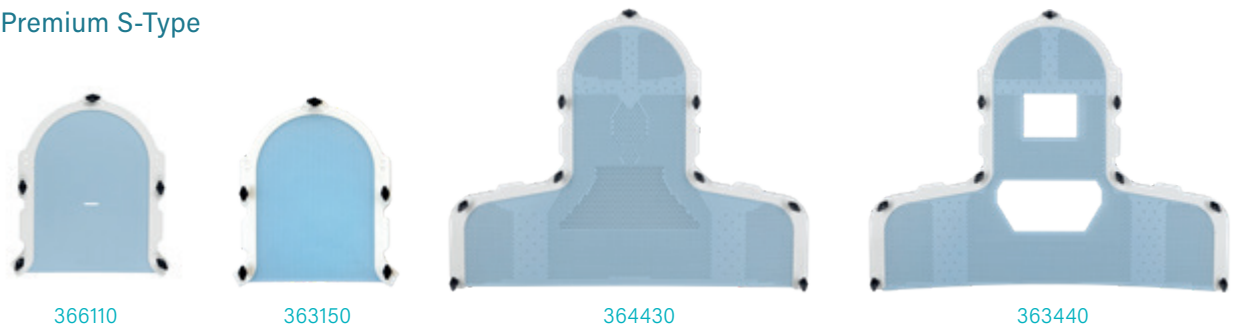
2,3 mm mask thickness, set of 10

• MacroCast® Standard S-Type, standard perforation, head only	368110	TSSS-HO
• MacroCast® Standard S-Type, standard perforation, head only, neck extension	368180	TSSSNE-HO
• MacroCast® Standard S-Type, standard perforation, head, neck & shoulders	368410	TSSS-HNS
• MacroCast® Standard S-Type, selective perforation, head only	368130	TSRS-HO
• MacroCast® Standard S-Type, selective perforation, head, neck & shoulders	368430	TSRS-HNS
• MacroCast® Standard S-Type, selective perforation, neck relief, head, neck & shoulders	368470	TSRSNR-HNS

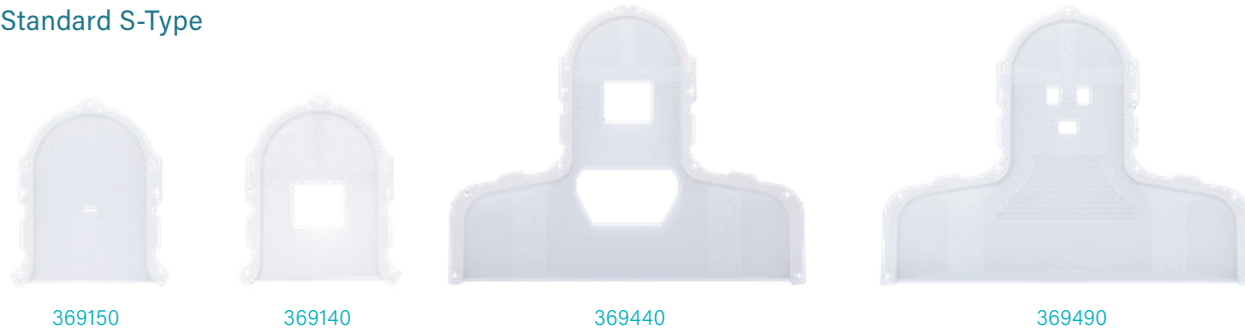
3,0 mm mask thickness, set of 10

• MacroCast® Standard S-Type, multi perforation, head only	369150	TSMS3-HO
• MacroCast® Standard S-Type, multi perforation, head only, neck extension	369180	TSMSNE3-HO
• MacroCast® Standard S-Type, multi perforation, head, neck & shoulders	369450	TSMS3-HNS
• MacroCast® Standard S-Type, selective perforation, head only	369130	TSRS3-HO
• MacroCast® Standard S-Type, selective perforation, open face, head only	369140	TSRSO3-HO
• MacroCast® Standard S-Type, selective perforation, claustrophobic, head only	369190	TSRCS3-HO
• MacroCast® Standard S-Type, selective perforation, head, neck & shoulders	369430	TSRS3-HNS
• MacroCast® Standard S-Type, selective perforation, open face, head, neck & shoulders	369440	TSRSO3-HNS
• MacroCast® Standard S-Type, selective perforation, neck relief, head, neck & shoulders	369470	TSRSNR3-HNS
• MacroCast® Standard S-Type, selective perforation, claustrophobic, w. low-bolusneck, head, neck & shoulders	369490	TSRCS3-HNS

Premium S-Type



Standard S-Type



U-frame masks - Standard (white thermoplastics)

2,3 mm mask thickness, set of 10

• MacroCast® Standard U-frame, standard perforation	376410	TUSS
• MacroCast® Standard U-frame, standard perforation, wide	376510	TUSSW
• MacroCast® Standard U-frame, standard perforation, neck extension	376480	TUNES
• MacroCast® Standard U-frame, selective perforation	373430	TURS

3,0 mm mask thickness, set of 10

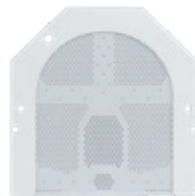
• MacroCast® Standard U-frame, multi perforation	377450	TUSS3
• MacroCast® Standard U-frame, multi perforation, wide	377550	TUSSW3
• MacroCast® Standard U-frame, multi perforation, neck extension	377480	TUNES3
• MacroCast® Standard U-frame, selective perforation	374430	TURS3



376410



377450



373430

MacroBath™ and Oven

Waterbath & Oven

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

MacroMedics® MacroBath™ 4



- External dimensions: 700w x 610d x 174h mm (27,5 x 24 x 6,8") incl. handgrips
- Internal dimensions: 665w x 575d x 80h mm (26,2 x 22,6 x 3,1")
- Temperature Range Ambient 5°C - 80°C (41°F - 176°F)



MacroMedics® convection oven

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



- External dimensions: 790w x 640d x 130h mm (31 x 25 x 5")
- Internal dimensions: 660w x 510d x 58h mm (26 x 20 x 2,3")

• MacroBath™ 4 for thermoplastic masks, 230V, including non-stick grid	154310	WB4
• MacroMedics® convection oven for Thermoplastic masks, 230V	154400	MCOV

The MacroBath™ and convection oven are both available in 230V & 110V

Head, Neck & Shoulder Baseplates



RealEase baseplate - 111760



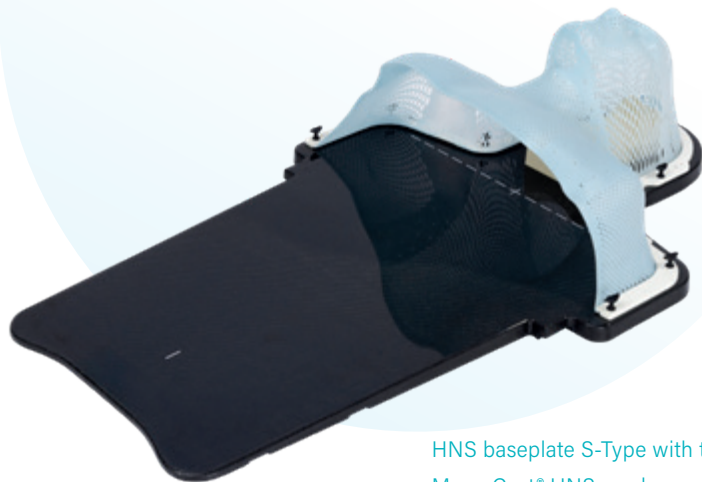
S-Type baseplate - 111720

The new HNS baseplates

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



HNS baseplate RealEase with the DSPS-Prominent® Cradle

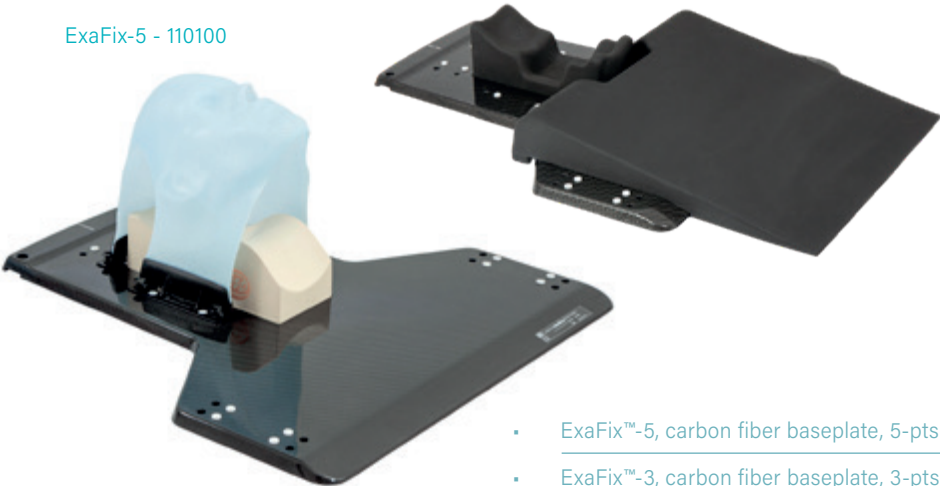


HNS baseplate S-Type with the MacroCast® HNS mask

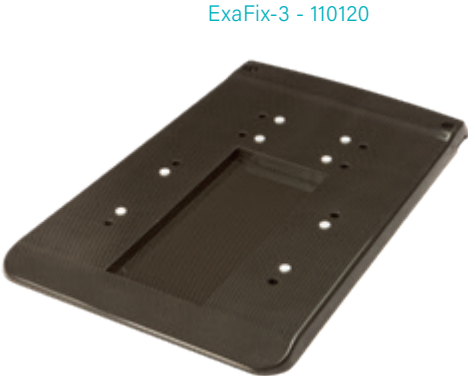
• RealEase HNS baseplate	111760	RE-HNS
• RealEase HNS baseplate MR	111770	RE-HNSM
• S-Type baseplate	111720	TS-HNS
• S-Type baseplate, MR Safe	111780	TS-HNSM
• Handgrips for shoulder retraction for use with DSPS-Prominent® or HNS baseplate, set of 2	111730	HS-HNS
• Handgrips for shoulder retraction for use with HNS baseplate, MR Safe, set of 2	111830	HG-HNSM

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 - 110100



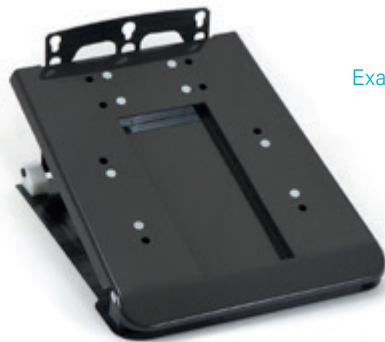
ExaFix-3 - 110120

• 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

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.



ExaTilt 25 degrees - 110200

• HeadTilt for S-Type systems, 25 degrees	171560	S-HT25
• HeadTilt for S-Type systems, 25 degrees, MR Safe	171570	S-HT25MR
• HeadTilt for RealEase systems, 25 degrees	171500	RE-EXT
• HeadTilt for RealEase systems, 25 degrees, MR Safe	171520	RE-EXTMR
• ExaTilt 25 degrees	110200	EXT
• ExaTilt 25 degrees MR Safe	110240	EXTMR



Tilting baseplate with SSPS® Cradle

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.

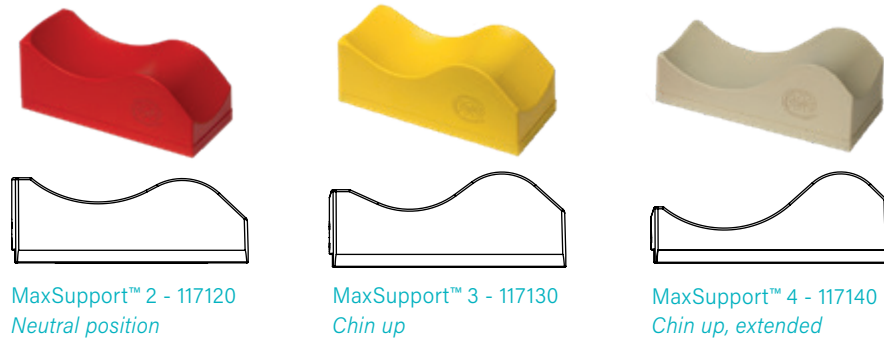
For situations in which extra stability and reproducibility is desired, MacroMedics® has developed two sets of carbon fiber MaxSupports. These head supports consist of a very thin layer of carbon fiber combined with low density foam for low attenuation. For special treatment requirements, low attenuation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

Smooth coated MaxSupport™

Absorbtion factor:
6MV = 3,6%
10MV = 2,8%

Skin buildup (mm H2O EQ): 8

Material: PUR Foam

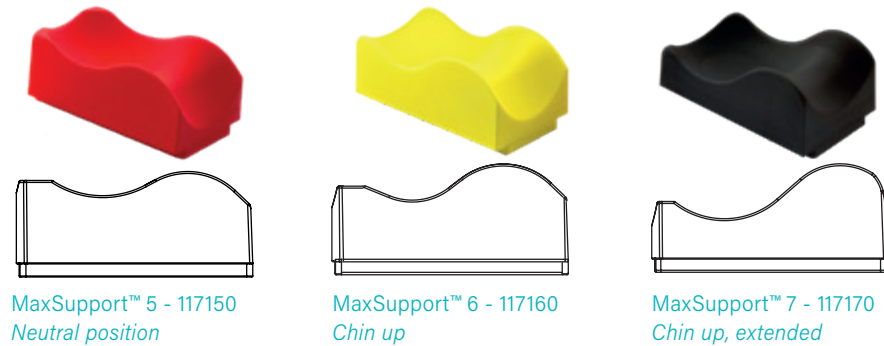


MaxSupport™, wideshaped

Absorbtion factor:
6MV = 0,4%
10MV = 0,2%

Skin buildup (mm H2O EQ): 1,55

Material: PE Foam



MaxSupport™ Carbon Fiber

(also available in Glass Fiber)

Absorbtion factor:
6MV = 1,1%
10MV = 0,9%

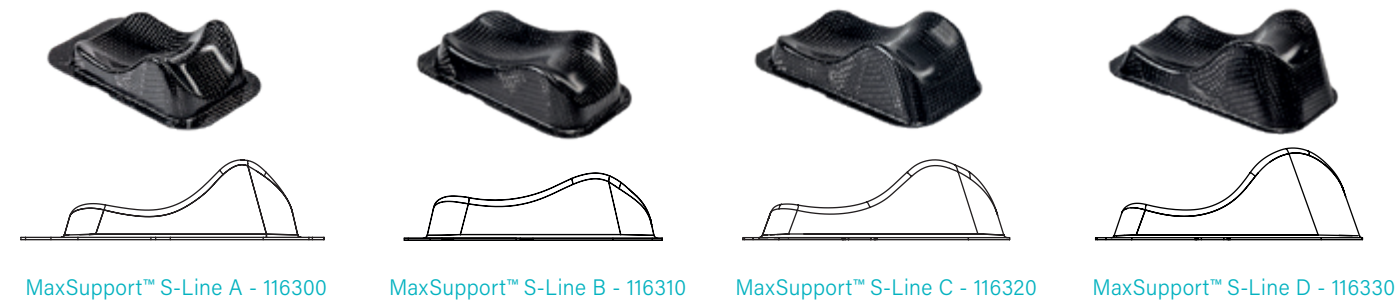
Skin buildup (mm H2O EQ): 3,05

Material: carbon fiber or glass fiber



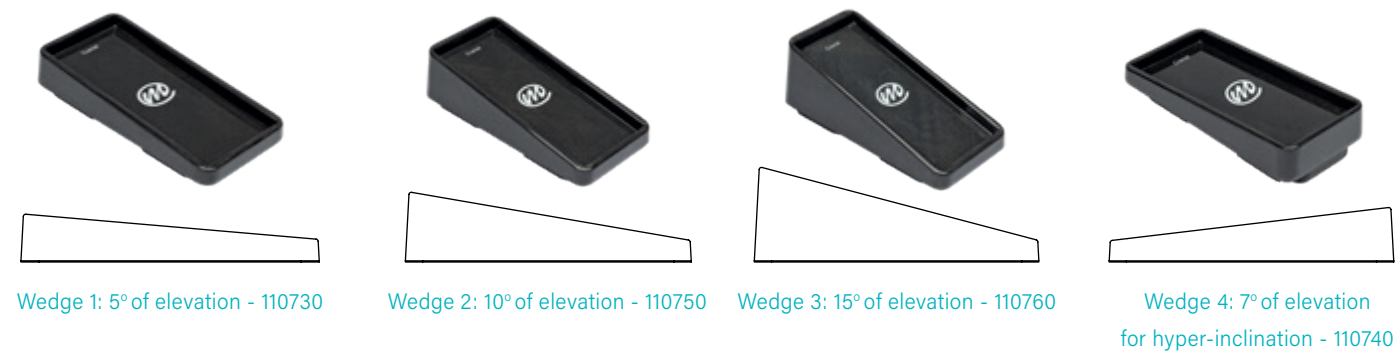
MaxSupport™ S-Line Carbon Fiber

(also available in Glass Fiber)



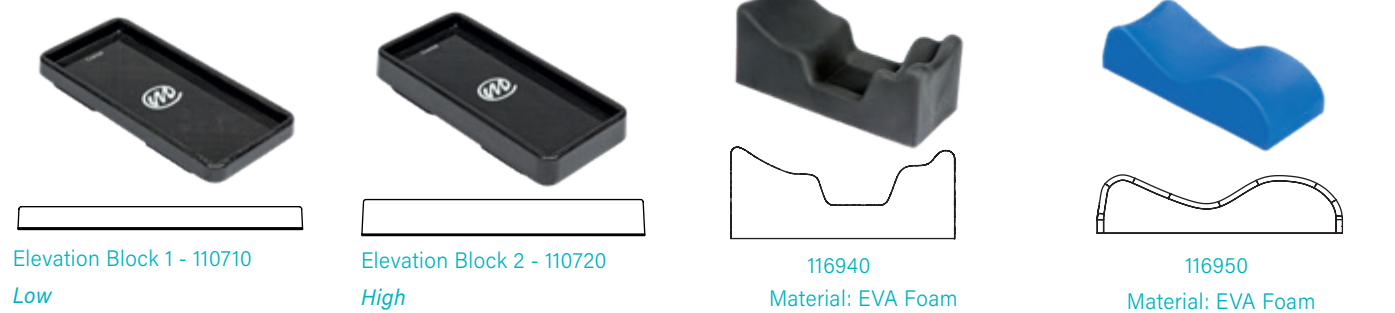
Carbon Fiber wedges

(also available in Glass Fiber)



Carbon Fiber blocks

(also available in Glass Fiber)



• MaxSupport™ package, type HS2/3/4, set of 3	117100	HSSET
• MaxSupport™ package wideshaped, type HS5/6/7, set of 3	117000	HSSETW
• MaxSupport™ package carbon fiber, type HS25/35/45, set of 3	117105	HSSETCF
• MaxSupport™ package 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.

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.



OmniBoard™ 3.0

Disease Specific Care Platform

New to the Disease Specific Care Platform portfolio is the OmniBoard™ 3.0. Throughout the previous years, the OmniBoard™ has become a very popular product in the MacroMedics® product range as our customers value its infinite possibilities for patient set-ups for various disease sites. The OmniBoard™ 3.0 offers various new features:

Now EagleBoard™-2 compatible

More durable PEEK inserts

Central inserts have been removed. This reduces inhomogeneous areas to support improved imaging and treatment quality.

Works with a new sliding bottomstop that can be secured at any desired position

OmniBoard™

Cutout for camera pole which enables comfortable use in in-bore Linacs. Validated with third-party machines.

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

Efficiency

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

Reproducibility

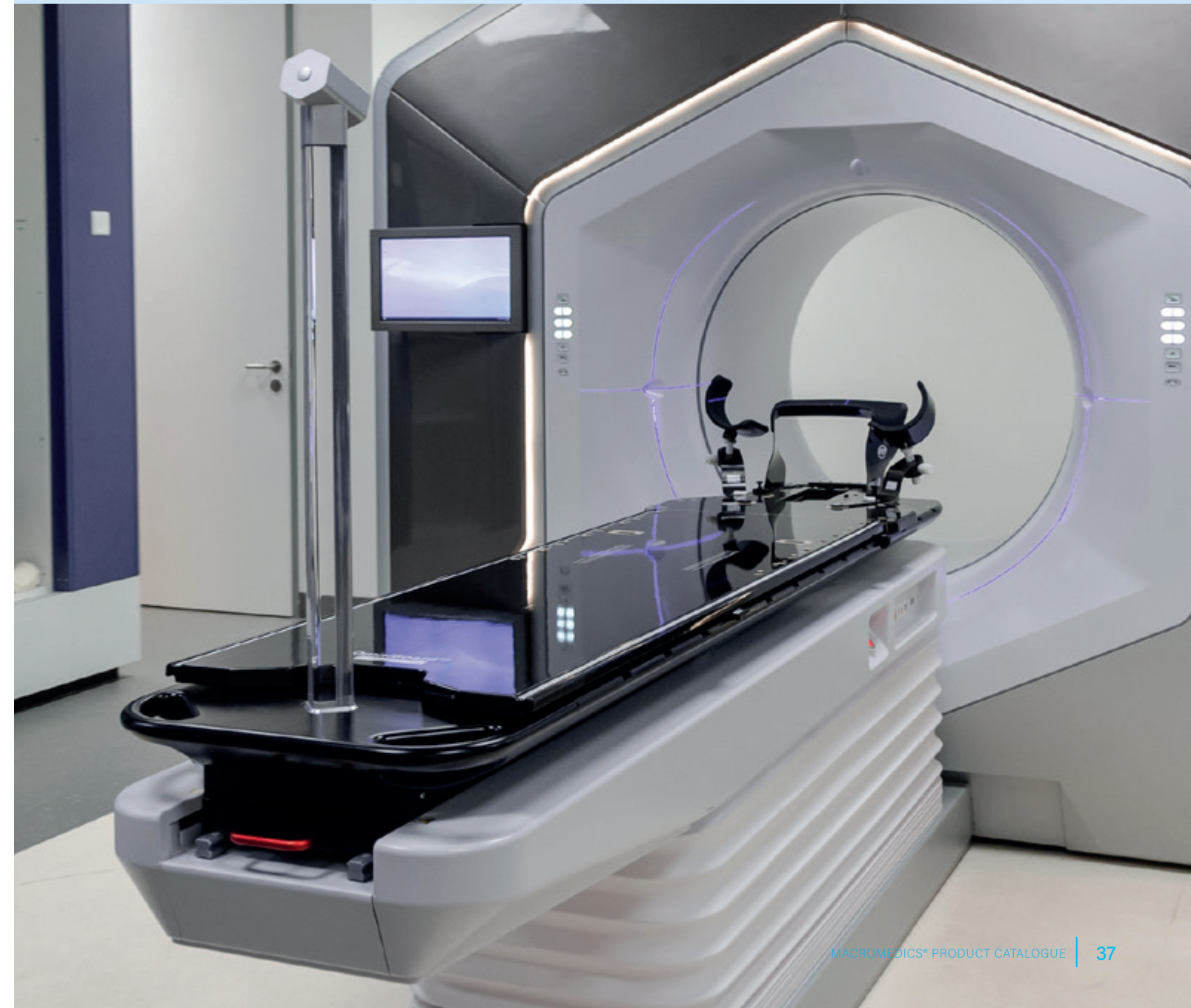
- Set-up sheets
- Indexed set-up modules

Versatility

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

Safety

- Eliminates need to lift heavy, stand-alone set-up boards



Configure your OmniBoard™ 3.0

1

Select a type of
thermoplastic mask
system



RealEase



S-Type



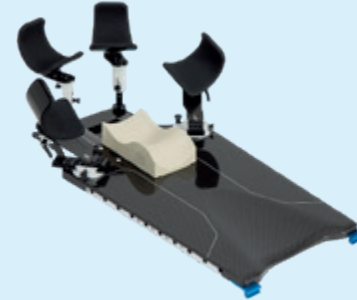
DSPS® Supine



DSPS-Prominent® Cradle

2

Select a type of
breast treatment
module



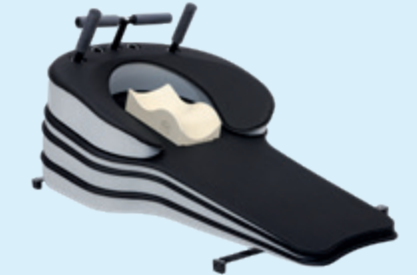
Breast Treatment Module LX



Breast Treatment Module SX



Breast Treatment Module EX
with EagleBoard™-2



ThoraxTilt™ PRO

3

Select a type of
upper arm support



Rigid upper arm
support



Height adjustable
upper arm support

or



EagleBoard™ adapter



Stand-alone
EagleBoard™

4

Select a type of
KneeSupport



KneeSupport™ plastic



KneeSupport™ foam

5

Select a type of
FeetSupport



Fixed FeetSupport™



Rotatable FeetSupport™

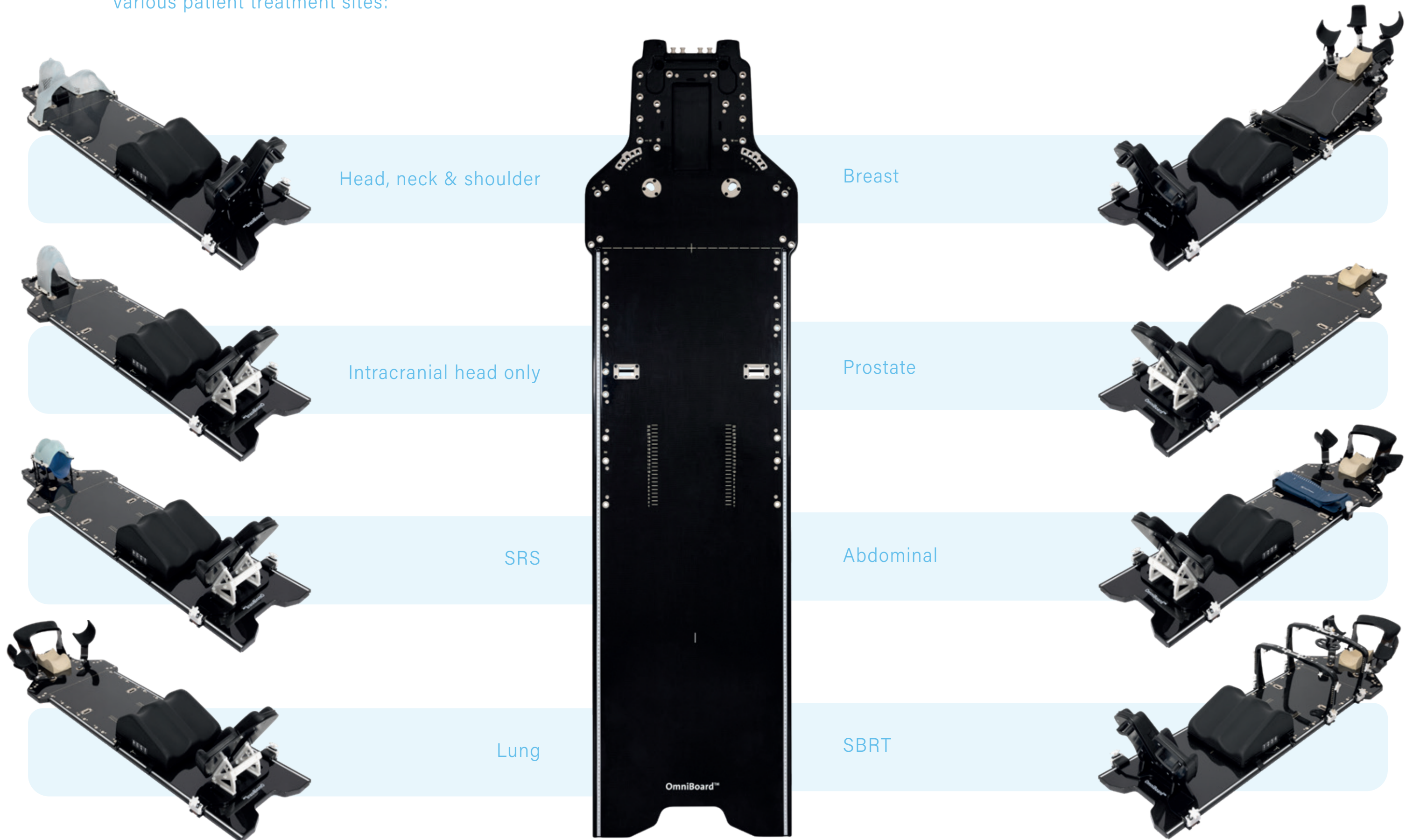
Please note

Additional accessories, as shown on DSCP Accessories pages 48 & 49 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 66 & 67.

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™ 2.0 is available.

The different possible OmniBoard™ set-ups for various patient treatment sites:



OmniCouch™

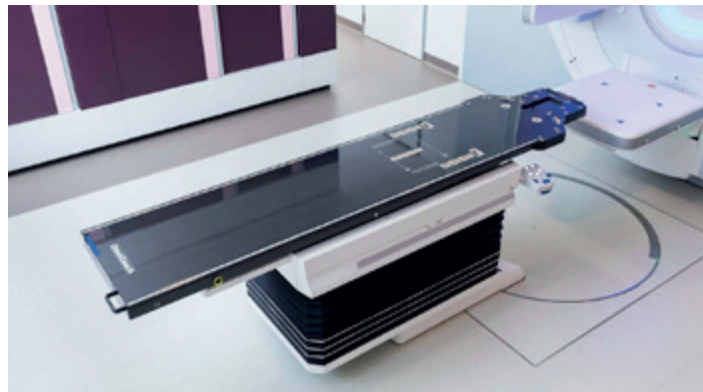
Disease Specific Care Platform

The OmniCouch™ is a 'one-piece couchtap' that can be displaced longitudinally with a unique, high-end mechanical sliding system, offering an optimized travel range for various treatment areas. This innovative sliding solution allows patients to be positioned for most common treatments without the necessity of changing modules for adjusting the table length.

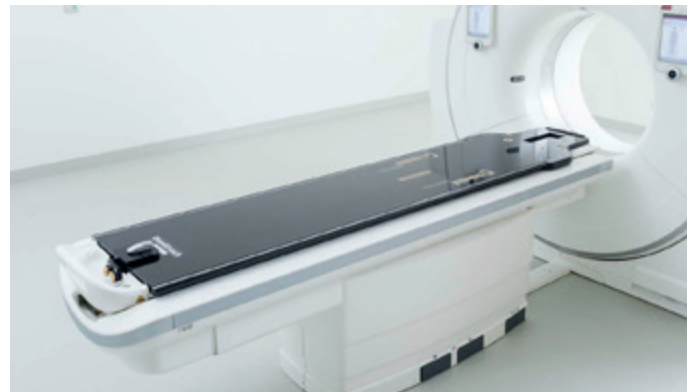
The OmniCouch™ is a complete all-in-one solution with a wide range of accessories available to provide optimized set-ups for various disease sites. Due to the modularity of the system and the light-weight accessories, the OmniCouch™ can be set-up quickly for the next patient, supporting an efficient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



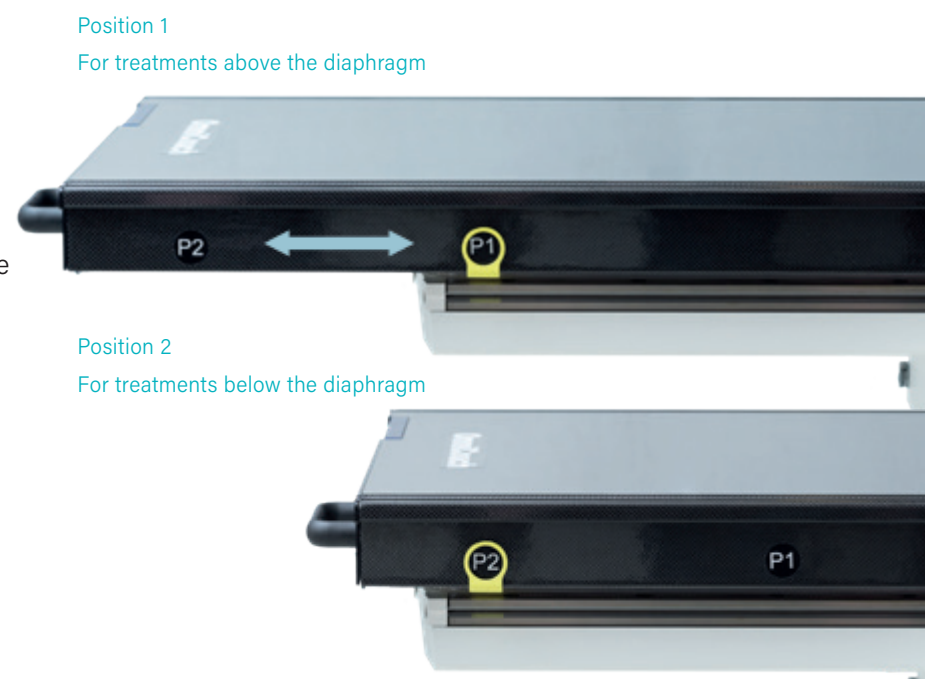
OmniCouch™ on LINAC



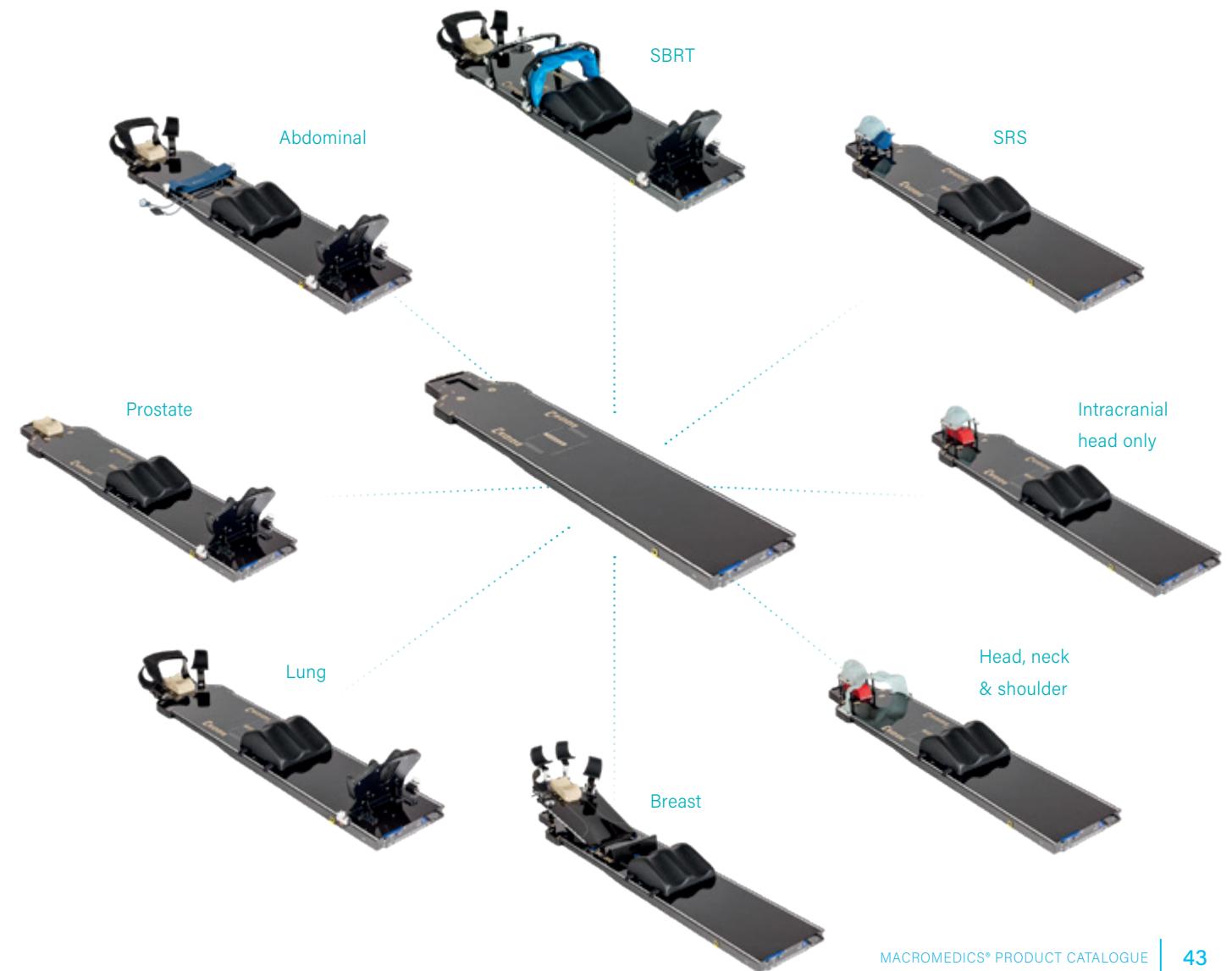
OmniCouch™ on CT

Extended travel range

With an effortless displacement between the two discrete longitudinal positions, the OmniCouch™ is able to be customized for the required treatment setting.



OmniCouch™ set-ups for various patient treatment sites

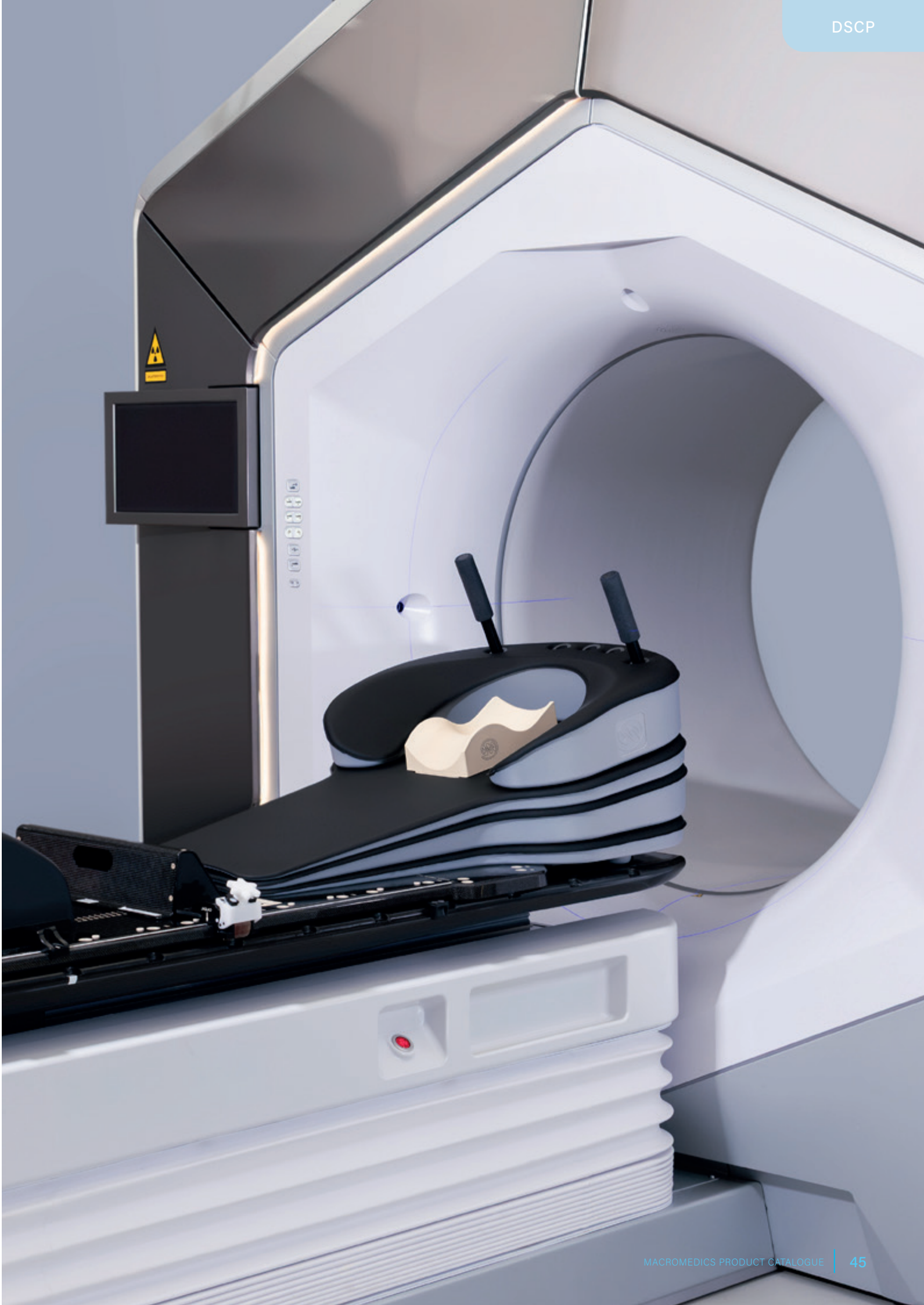
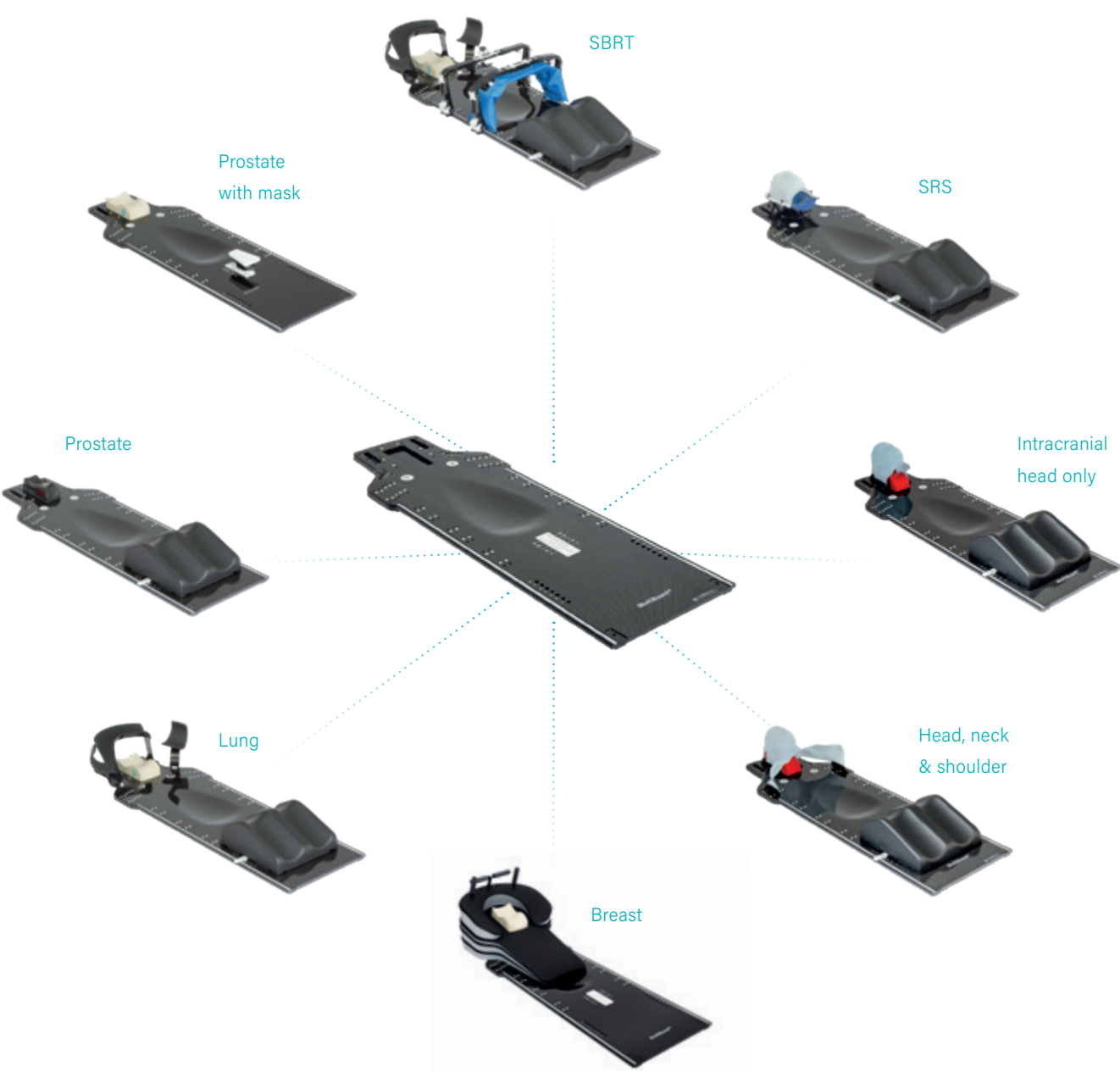


MultiBoard™

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



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



▪ EAMIS Lite™ package	123800	EA-LITE
▪ EAMIS Lite™ package, MR Conditional	123850	EA-LITE-MR

OmniBoard™ Basic Package

▪ OmniBoard™ 3.0 RealEase	174200	OMB3-BPRE
▪ OmniBoard™ 3.0 S-Type	175400	OMB3-BPS
▪ 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	126830	OMB2-BPEXFH

MR Safe package versions are available. Please contact your local distributor for more information about the included products in this package.

MultiBoard™

▪ MultiBoard™ RealEase Basic Treatment Package	174400	UTB-BAPARE
▪ MultiBoard™ RealEase Premium Package	174450	UTB-PRPRE

Please contact your local distributor for more information about the included products in this package.

Breast Treatment Module Package

▪ Breast 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

MR Safe package versions are available. Please contact your local distributor for more information about the included products in this package.

SBRT Treatment package

▪ SBRT Premium accessories package, MR Conditional	173700	SBRTAP
▪ SBRT Premium accessories for HexaPod package, MR Conditional	173710	SBRTAPH

Please contact your local distributor for more information about the included products in this package.

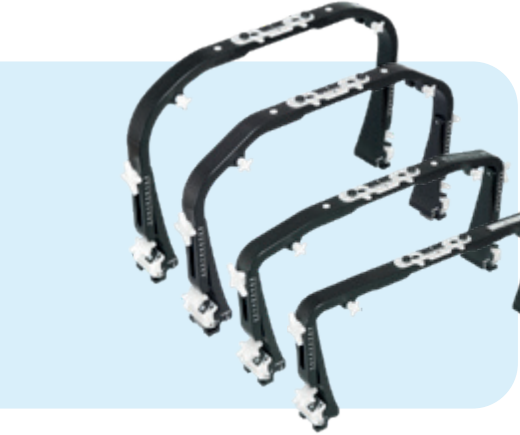
SRS Treatment Package

▪ 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 package versions are available. Please contact your local distributor for more information about the included products in this package.

DSCP Accessories

Disease Specific Care Platform



SBRT Secure Arches

• 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 for HexaPod system, size XS	123760	SSA-XSH
• SBRT Secure Arch for HexaPod system, size S	123660	SSA-SH
• SBRT Secure Arch for HexaPod system, size M	123560	SSA-MH
• SBRT Secure Arch for HexaPod system, size L	123460	SSA-LH



Abdominal Vacuum Cushion

• Abdominal Vacuum Cushion, size S	123450	EA-VS
• Abdominal Vacuum Cushion, size XL	123470	EA-VXL



Respiratory Suppression Plate

• 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

• Respiratory Suppression Belt	126270	DSCP-CB
• Respiratory Suppression Belt for HexaPod System	126290	DSCP-CBH

EagleBoard™ adaptor

• EagleBoard™-2 Adaptor for ExaFix OmniBoard™ or MultiBoard™	123020	EB2AOBEXF
• EagleBoard™-2 Adaptor for RealEase or S-Type OmniBoard™ or MultiBoard™	123010	EB2AOBS



Arm Supports

• UATB rigid upper arm support, set of 2 OmniBoard™ or MultiBoard™	125300	UTB-RAS
• Height adjustable arm support with flexible high armcup fot OmniBoard™, MultiBoard™, BreastBoard™ SX, set of 2	125320	DSCP-AAS

MR Safe versions available.
Please contact your distributor for further information.



Handgrips

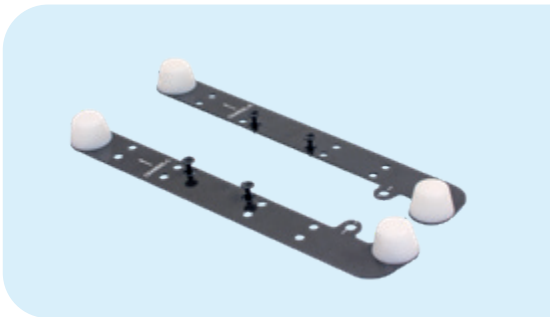
• Handgrips for shoulder retraction, set of 2	126260	DSCP-HG
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Vacuum Cushion Positioning System

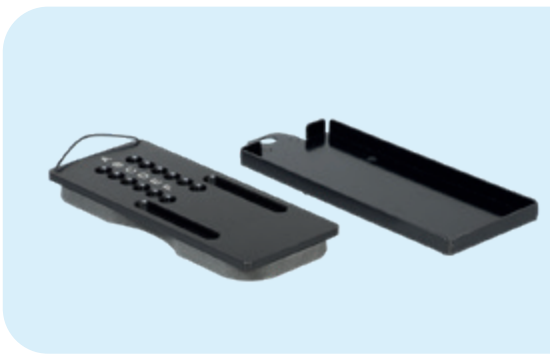
• Positioning system for Vacuum Cushions on RealEase OmniBoard™ or MultiBoard™, set of 2	173520	UTB-VCPSRE
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MR Safe version available. Please contact your distributor for further information.



MaxSupport™ Extender

• MaxSupport™ Extender	121180	HS-EX
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BREAST AND THORAX



FlexBoard™

Breast and Thorax

The FlexBoard™ offers a unique breast treatment concept. Specially designed to accommodate a variety of breast treatment modules, including: the 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. Weighing just 3.3 kg, the FlexBoard™ baseplate is considerably lighter to lift than any stand-alone breastboard, making it an ideal solution for flexible and modular breast treatment.



FlexBoard™

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

Breast Treatment Module EX

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

EagleBoard™-2

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



• 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

Including FlexBoard™ base with bottomstop, breast treatment module and MaxSupport™ 1, wide, universal

Configure your FlexBoard™ with:

Breast Treatment Module SX

Very similar to our established BreastBoard™ SX (p.55).

Breast Treatment Module EX

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

Breast Treatment Module LX

Very similar to our successful stand-alone BreastBoard™ LX (p.55). It offers various adjustment possibilities for positioning the arms and head.

• Breast Treatment Module EX for FlexBoard™ (with EagleBoard™-2)	172160	FB-BTMEB2
• Breast Treatment Module SX for FlexBoard™ (with rigid arm supports)	172510	FB-BTMSXR
• Breast Treatment Module SX for FlexBoard™ (with height adjustable arm supportd)	172560	FB-BTMSXA
• Breast Treatment Module LX for FlexBoard™ (with arm supports)	172660	FB-BTMLX
• FlexBoard™ base module + BottomStop™	172110	FBBM



BreastBoard™

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



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 BreastBoard™ 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.



• BreastBoard™ LX	122500	MBLXI
• BreastBoard™ LX, MR Conditional	122750	MBLXIMR
• BottomStop™ adaption to fit on BreastBoard™ LX	122590	BSS



Bottomstop™ without BottomStop™ adaption



Bottomstop™ with BottomStop™ adaption

• OmniBoard™ BottomStop™ sliding	174230	UATB-BSS
• OmniBoard™ BottomStop™ sliding, MR Safe	174270	UATB-BSSM
• High Bridge Support for BreastBoard™ LX/ThoraxSupport™	122540	HBSBT
• Handpoles for BreastBoard™ LX/ThoraxSupport™, set of 2	122730	HGBT2
• Handpoles with armcup for BreastBoard™ LX/ThoraxSupport™, set of 2	122760	HGCBT2



ThoraxTilt™ PRO

Breast and Thorax

The ThoraxTilt™ PRO is an innovative, modular thorax positioning board designed for supine breast and thorax radiotherapy. With tilt options of 2,5° and 5°, the system offers up to 12.5° of incline for patient positioning. It supports both stand alone use or offers seamless integration with the existing carbon fiber OmniBoard™, MultiBoard™ & OmniCouch™ platforms. The ThoraxTilt™ PRO supports two arm positioning options to meet varying patient needs and clinician preferences.

Standard Hand Grip

A classic, reliable choice for supporting forearm positioning with minimal setup complexity.

T-Grip Handle

Offers enhanced ergonomic support, particularly useful for patients requiring greater wrist stability or those with limited arm mobility.

MR Ready

The foam material is MR Safe and ensures compatibility with CT, CBCT, and MRI-guided workflows.



ThoraxTilt™ PRO for
MultiBoard™ & OmniBoard™
115470

ThoraxTilt™ PRO
stand alone
115480

• ThoraxTilt™ PRO set stand alone, 12,5 degrees	115480	TTPROSA
• ThoraxTilt™ PRO stand alone 5 degree Wedge	115450	TTPRO5SA
• ThoraxTilt™ PRO set for MultiBoard™/OmniBoard™, 12,5 degrees	115470	TTPRO
• ThoraxTilt™ PRO 5 degree Wedge	115430	TTPRO5W
• ThoraxTilt™ PRO 2,5 degree Wedge	115440	TTPRO2.5
• ThoraxTilt™ PRO ArmSupport	115460	TTPROA

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.



ThoraxSupport™ - 122100



ThoraxSupport™ with 7,5 degrees Wedge



ThoraxSupport™ for MR - 122150



ThoraxSupport™ short - 122650

• ThoraxSupport™, CF, 2P	122100	LB1C
• ThoraxSupport™ 3P, MR Conditional	122150	LB1MR
• ThoraxSupport™ Short, CF, 2P	122650	LB1CS
• ThoraxSupport™ Short 3P, MR Conditional	122660	LB1MRS
• Carbon Fiber Wedge, 7,5 degrees to incline the ThoraxSupport™	122520	TSW

EagleBoard™

Breast and Thorax

The MacroMedics® EagleBoard™ offers quick and easy patient set-up for the treatment of breast, lung and thorax. It is a highly versatile and compact patient positioning system, designed for efficiency, comfort and precision. Whether used as part of a modular breast positioning system or as a standalone solution, the EagleBoard™ delivers exceptional flexibility and accuracy. Its ergonomic design ensures that patient comfort is prioritized, while its lightweight build simplifies handling for radiotherapy staff.

EagleBoard™



EagleBoard™ with U-Grip - 122820



EagleBoard™ with T-Grip - 122810

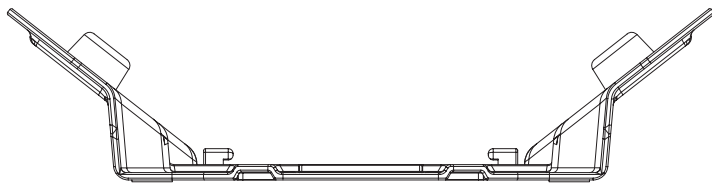
The EagleBoard™-2 is equipped with a range of accessories and customizable features, including an adaptor for mask fixation, an adjustable M-Grip, removable vacuum cushion positioning knobs and a U-shaped vacuum cushion for enhanced comfort and stability. This comprehensive system allows for individualized patient positioning, ensuring both accuracy and comfort during radiotherapy sessions. A MR version is available.

EagleBoard™-2



EagleBoard™-2 front view

It's tapered design ensures maximum clearance during CT simulation and treatment.



• EagleBoard™-2, including M-grip, adaptor for MaxSupport™ & MaxSupport™ 1	122900	EB2
• EagleBoard™-2, MR Safe including M-Grip, adaptor for MaxSupport™ & MaxSupport™ 1	122890	EB2MR

PELVIS, ABDOMEN AND EXTREMITIES

KneeSupport™

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 - 130100



KneeSupport™ plastic - 130140



KneeSupport™ low - 130130



KneeSupport™ liftblock - 130120

FeetSupport™

When lying in a relaxed position, feet naturally point outward. The FeetSupport™ allows the patient's feet to be placed in this natural position for comfort and to support the stability of patient set-up.

The FeetSupport™ cushions have a smooth coating for easy cleaning. There are two types of FeetSupport™:

- Fixed FeetSupport™ which holds the feet at a set angle.
- Rotatable FeetSupport™ which allows the feet to be positioned at four different indexed angles.



Fixed FeetSupport™ 2.0



Rotatable FeetSupport™ 2.1

• FeetSupport™, rotatable, 3P	130260	FSTS
• FeetSupport™, fixed, indexable on LEPS and DSCP platforms, 3P	130250	FSTS2.1
• FeetSupport™ 2.1, rotatable	130490	FSTS2.0
• FeetSupport™ 2.0, fixed	130450	FSTS2.0



LEPS™



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

• LEPS™, Lower Extremity Positioning System complete, 3P, with tilting FeetSupport rotatable, KneeSupport and KneeSupport LiftBlock	130300	LEPS
• LEPS™, Lower Extremity Positioning System complete, 3P, with fixed FeetSupport, KneeSupport and KneeSupport LiftBlock	130310	LEPSF
• LEPS™, Lower Extremity Positioning System, baseplate, 3P	130200	LEPSBP
• LEPS™, Lower Extremity Positioning System, baseplate, short, 3P	130420	LEPSBPS
• Shoulder retractor for use with LEPS™	130350	SHRT



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™

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 properties¹ 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 volume⁶.



Pelvic Prone Board™ with small cushion



Pelvic Prone Board™, MR with indexable Pron Pillo

• 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
• Storage System for Pelvic Prone Board™	151300	SSPPB

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.



- 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

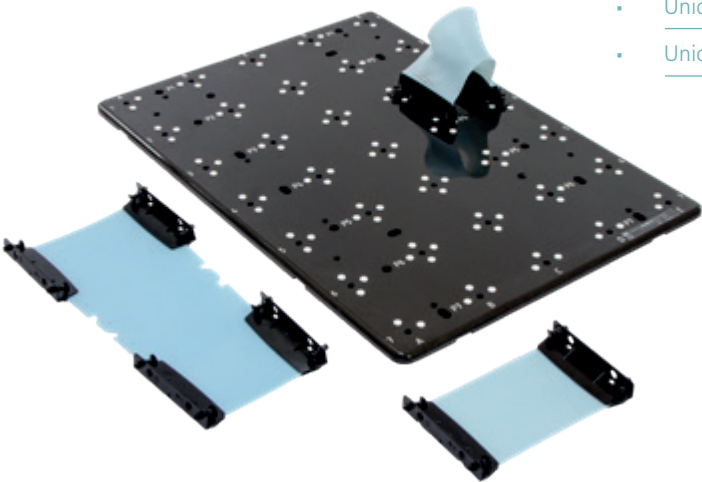
• LEX-Ultra™ positioning system for lower extremities with middle block	132100	LEXU
• LEX-Ultra™ positioning system for lower extremities with middle block, MR Safe	132150	LEXMR

UniqFix™

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.

• UniqFix™ positioning system for extremities, CF	135100	UNIQCF
• UniqFix™ positioning system for extremities, MR Safe	135150	UNIQMR



- Features:
- Multifunctional baseplate
 - Various thermoplastics available for extremity positioning
 - Indexable
 - An MR Safe version is available

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.

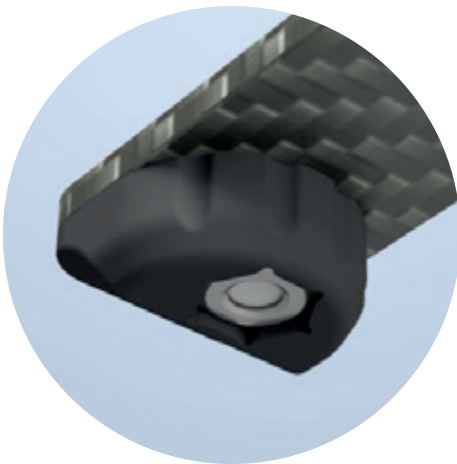
MISCELLANEOUS



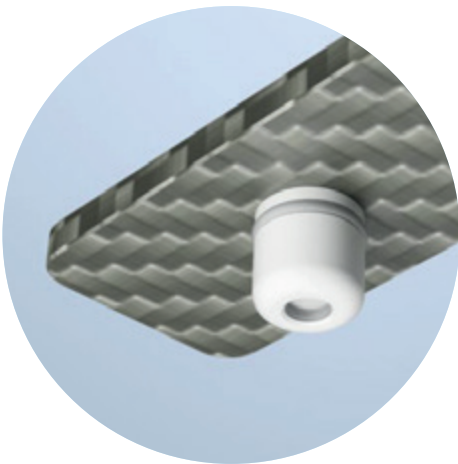
CouchStrips™

Miscellaneous

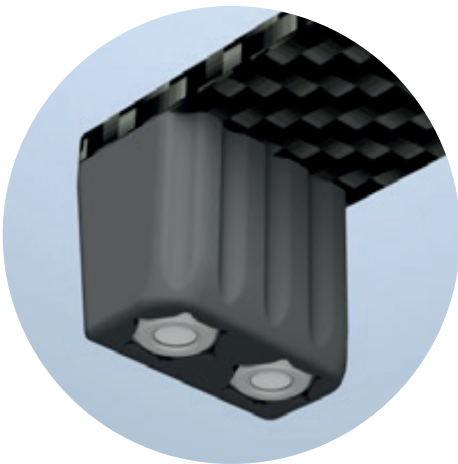
Exact™



Ibeam®



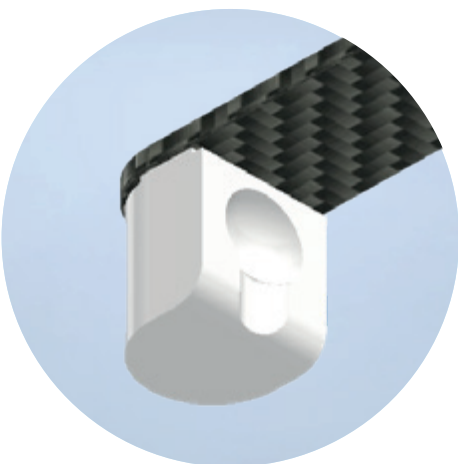
Sliding



DSPS-Prominent®



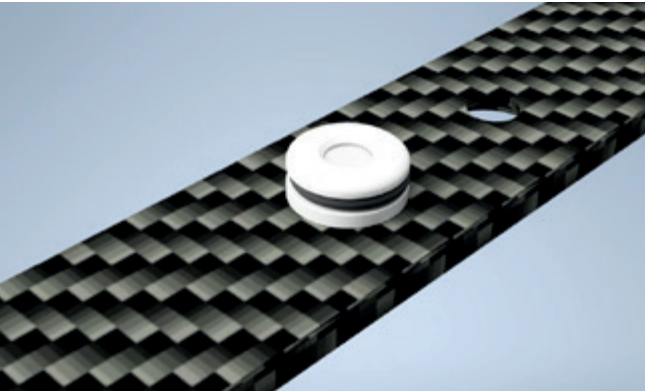
Prodigy™



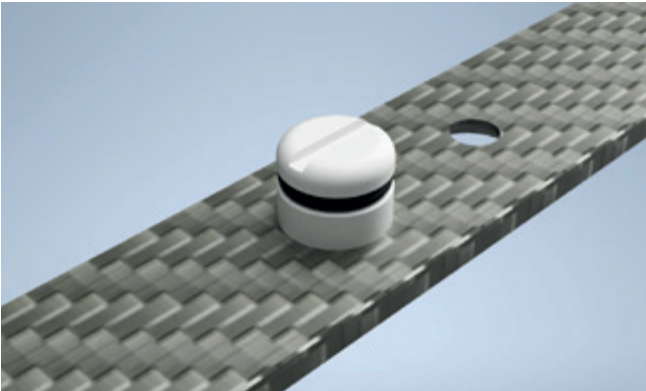
Prodigy™ Mini



Low Pivot



High Pivot



**For DSPS-Prominent® and HNS baseplates, only low pivot CouchStrips are compatible*

Exact™

CouchStrip™ Exact™, fixed, low pivot, for 53cm wide couchtops, CF	147960	CS53FCF-EX
CouchStrip™ Exact™, fixed, low pivot, for 50cm wide couchtops, CF	147950	CS50FCF-EX
CouchStrip™ Exact™ for OB 3.0, fixed, low pivot, for 53cm wide couchtops, CF	147390	CS53FCF-EX/OB3
CouchStrip™ Exact™, fixed, high pivot, for 53cm wide couchtops, CF	147440	CS53FHCF-EX
CouchStrip™ Exact™, fixed, high pivot, for 50cm wide couchtops, CF	147430	CS50FHCF-EX
CouchStrip™ Exact™ for OB 3.0, fixed, high pivot, for 53cm wide couchtops, CF	147490	CS53FHCF-EX/OB3
CouchStrip™ Exact™, transverse, low pivot, for 53cm wide couchtops, CF	147250	CS53TCF-EX
CouchStrip™ Exact™, transverse, high pivot, for 53cm wide couchtops, CF	147470	CS53THCF-EX
CouchStrip™ Exact™, fixed, low pivot, for 53cm wide couchtops, GF	147930	CS53FGF-EX
CouchStrip™ Exact™, fixed, high pivot, for 53cm wide couchtops, GF	147420	CS53FHGF-EX

Ibeam™

CouchStrip™ Ibeam®, fixed, low pivot, for 53cm wide couchtops, CF	147110	CS53FCF-IB
CouchStrip™ Ibeam®, fixed, high pivot, for 53cm wide couchtops, CF	147360	CS53FHCF-IB
CouchStrip™ Ibeam®, transverse, low pivot, for 53cm wide couchtops, CF	147350	CS53TCF-IB
CouchStrip™ Ibeam®, transverse, high pivot, for 53cm wide couchtops, CF	147450	CS53THCF-IB

Sliding

CouchStrip™ Sliding, fixed, low pivot, for 53cm wide couchtops, CF	147130	CS53FCF-S
CouchStrip™ Sliding, fixed, low pivot, for 50cm wide couchtops, CF	147140	CS50FCF-S
CouchStrip™ Sliding, fixed, high pivot, for 53cm wide couchtops, CF	147370	CS53FHCF-S
CouchStrip™ Sliding, fixed, high pivot, for 50cm wide couchtops, CF	147380	CS50FHCF-S
CouchStrip™ Sliding, transverse, low pivot, for 53cm wide couchtops, CF	147230	CS53TCF-S
CouchStrip™ Sliding, transverse, high pivot, for 53cm wide couchtops, CF	147460	CS53THCF-S
CouchStrip™ Sliding, fixed, low pivot, for 53cm wide couchtops, GF	147150	CS53FGF-S
CouchStrip™ Sliding, fixed, high pivot, for 53cm wide couchtops, GF	147650	CS53FHGF-S

Prodigy™

CouchStrip™ Prodigy™ Mini, fixed, low pivot, for 53cm wide couchtops, CF	147170	CS53FCF-PM
CouchStrip™ Prodigy™ Mini, fixed, high pivot, for 53cm wide couchtops, CF	147660	CS53FHCF-PM
CouchStrip™ Prodigy™ Mini, transverse, low pivot, for 53cm wide couchtops, CF	147270	CS53TCF-PM
CouchStrip™ Prodigy™ Mini, transverse, high pivot, for 53cm wide couchtops, CF	147480	CS53THCF-PM
CouchStrip™ Prodigy™, fixed, low pivot, for 53cm wide couchtops, CF	147190	CS53FCF-P
CouchStrip™ Prodigy™, fixed, high pivot, for 53cm wide couchtops, CF	147680	CS53FHCF-P
CouchStrip™ Prodigy™, transverse, low pivot, for 53cm wide couchtops, CF	147310	CS53TCF-P
CouchStrip™ Prodigy™, transverse, high pivot, for 53cm wide couchtops, CF	147670	CS53THCF-P

DSPS-Prominent®

CouchStrip™ DSPS-Prominent®, fixed, low pivot, for 53cm wide couchtops, GF	147410	CS53FGF-P
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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.

To mould the vacuum cushions to the patient's anatomy, MacroMedics® offers two pump options:

- Compact Vacuum Pump: simple and efficient for routine use.
- Dual-function Vacuum Pump: features wireless hand or foot remote control for quick, precise adjustments during moulding. Compact, lightweight, and battery-operated, it's ideal for portability and ease of use.

Features:

- Durable, high quality polyamide
- Radiotranslucent cushion
- Cost-effective
- Suitable for use in the MR environment
- Adapters available for pumps with CPC connector



Dual function Vacuum Pump - 155810



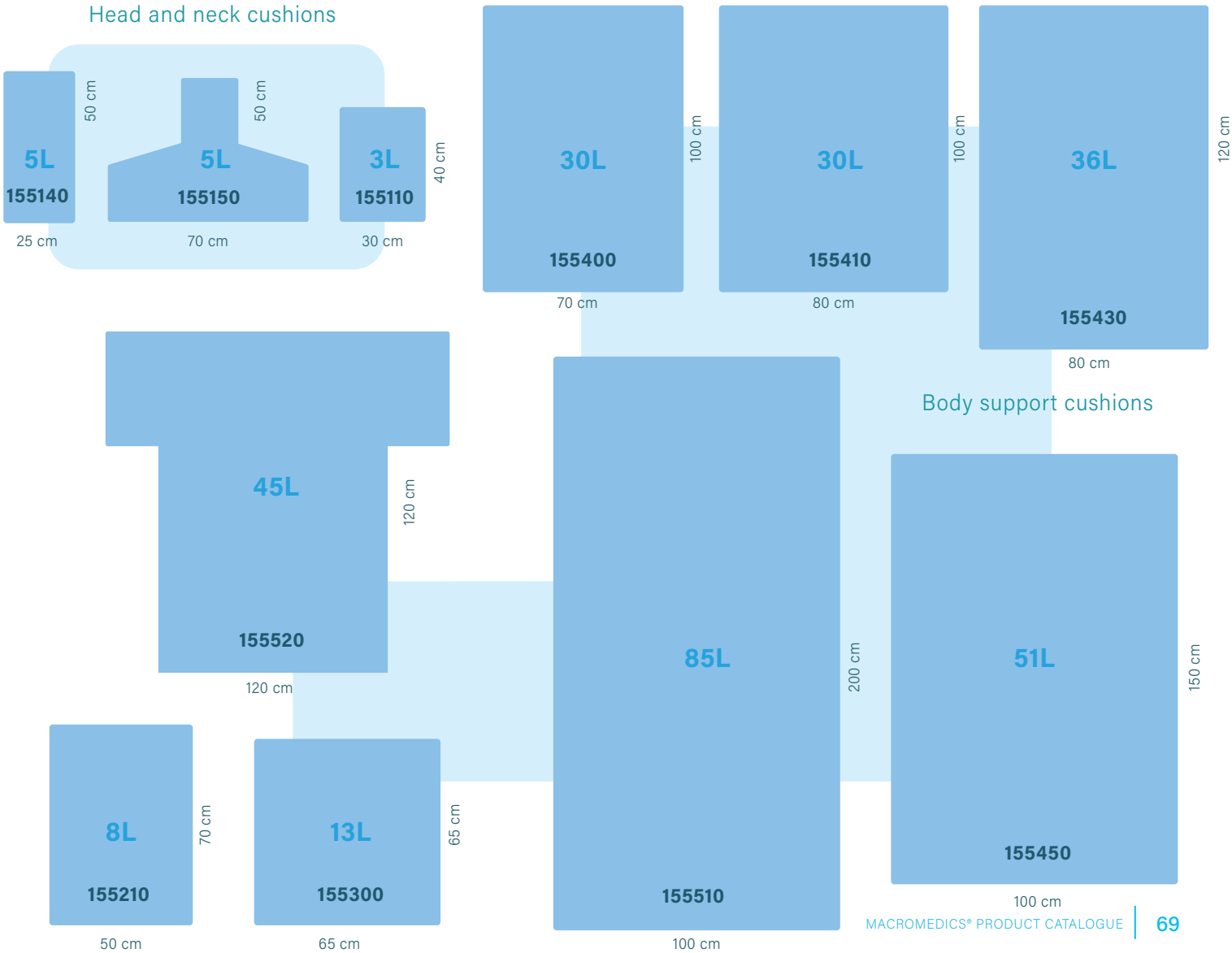
Compact Vacuum Pump - 155830



Vacuum Cushions™ & Accessories

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, 45L	155520	VBOS120120T
Vacuum Cushion EagleBoard™-2	155610	VBEB-2
Compact Vacuum Pump	155830	VP
Dual function Vacuum Pump, cordless, with hand and foot remote control incl. tube and connector, 230 V	155810	VPF
Vacuum Cushion Positioning Strip	155870	VCPS
Vacuum Cushion Positiong Strip, MR Safe	155950	VBPSMR

Head and neck cushions

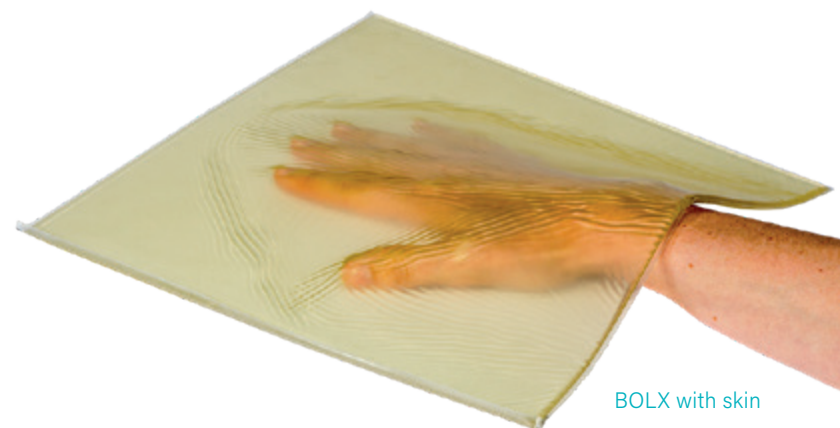


Body support cushions

Bolus

Miscellaneous

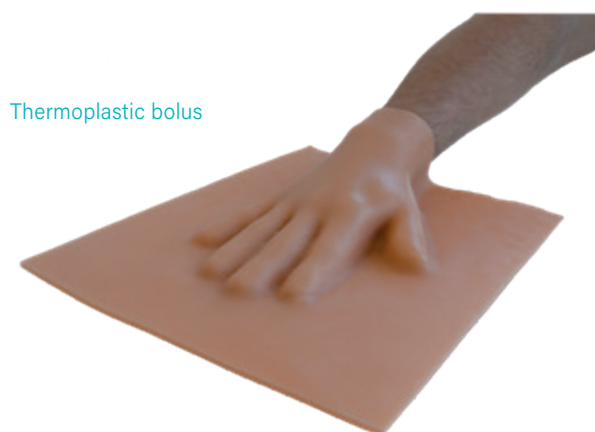
BOLX is a flexible, homogeneous bolus material that conforms nicely to the patient's anatomical contours. It is made from a tissue-equivalent gel with a density of 1.03 g/cm³. It is available in various sizes and thicknesses and can be cut with a pair of scissors. BOLX can be built up in layers when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



BOLX with skin



BOLX without skin



Thermoplastic bolus

Thermoplastic bolus properties:

Thickness:	3.2mm (0,126") or 4.8mm (0,189")
Colour:	Orange
Waterbath temperature:	65-70°C (140-158°F).
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

• 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 3,2mm, 30x30cm	153210	BMCN32
• MacroCast® non-perfo plate 5mm, 30x30cm	153220	BMCN48

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.

A few samples of our product range for MR imaging are shown below, please check with your distributor for the full range available.



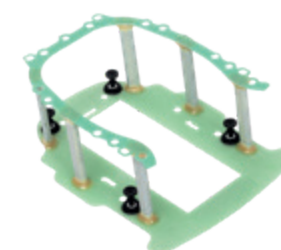
MaxSupport™, set of 3, glass fiber
MR Safe - 116205



Elevation block 2
MR Safe - 110820



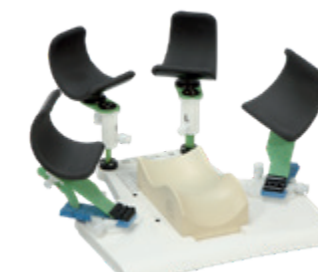
Wedges, set of 3, glass fiber
MR Safe - 110800



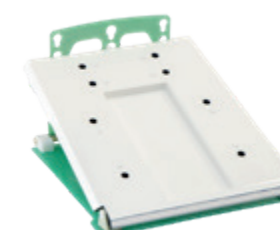
SSPS® cradle, RealEase
MR Safe - 111220



EagleBoard™-2
MR Safe - 122890



ThoraxSupport™ Short
MR Conditional - 122660



Exatilt™
MR Safe - 110240



Pelvic Prone Board™
MR Safe - 130650



LEPS™
MR Conditional - 130310



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



MacroMedics® devices are CE marked as Class I medical devices in accordance with the Medical Device Regulation 2017/745.
MacroMedics® BV is an FDA registered company and has received FDA 510(k) clearance for most MacroMedics® patient positioning devices.
MacroMedics® BV is an EN ISO13485:2012 (2016) certified company.
MacroMedics®, SSPS®, DSPS® and DSPS-Prominent® are registered trademarks of MacroMedics® BV. All other registered trademarks are property of their respective owners.
DSPS® is a patented system: EP 3130289, US 9808648, IN 2440KOLNP2014, NL 1039586 and WO 2013167689. DSPS-Prominent® is a patented system: US 12,280,272

References

- ¹ M. Essers et al. in Radiotherapy & Oncology (2025) Goodbye face masks! Accurate head and neck radiotherapy using individual dorsal shells and surface guidance.
- ² L. van Heerder et al. Improved Immobilization in Head and Neck Radiotherapy using a Double Shell Positioning system.
- ³ J.Dadoun et al. ESTRO: Evaluation of a "MASKLESS" set up for Head and Neck Radiotherapy using DSPS-Prominent® combined with Surface-Guided Monitoring.
- ⁴ Dosimetric properties of a selection of MacroMedics products have been measured and are available on the MacroMedics website as an indication only – actual dosimetric properties may differ.
- ⁵ 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, intrafraction movement 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.
- ⁶ 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.
- ⁷ 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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Document number: MM2

NOTES



macromedics

SOLUTIONS IN RADIOTHERAPY



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