



**RADIOTHERAPY SOLUTIONS**



# Catalogue

[www.rtcast.eu](http://www.rtcast.eu)



UAB “VPC” was founded more than 15 years ago. Since then, we are providing top quality, affordable radiotherapy products to more people worldwide.

## Our Mission

Excellence in the provision of healthcare products worldwide.

## Our Vision

Our vision is to be a model medical device supplier by continually learning and providing extraordinary service in all its dimensions:

- **Clinical Excellence:** We will deliver the best solutions in a consistent, integrated way.
- **Operational Effectiveness:** We will be wise and careful stewards of our resources to enable extraordinary care.
- **Physician Engagement:** We will create systems and processes that help our physicians best serve their patients.
- **Employee Engagement:** We value our employees as our most important resource.

## Our Values

- **Mutual respect:** We treat others the way we want to be treated.
- **Accountability:** We accept responsibility for our actions, attitudes, and mistakes.
- **Trust:** We act with integrity and can count on each other.
- **Excellence:** We do our best at all times and look for ways to improve.

# Placement and Positioning Systems

## Type-S Fixation Board [Item no.: PP-151]

This board can offer a high degree of stability for the head, neck and shoulders. Due to its unique design, this board has fewer artifacts for docking holes than other Type-S boards.

We recognize the challenges faced by clinicians for accurate, comfortable positioning and immobilization for children and thin patients. Therefore, PP-151 has additional four docking holes for accepting narrower S-Frame masks PS-M-44 for children to get better immobilization during radiation treatments.



### Shoulder Suppression Attachment [Item no.: PP-151-SSA]



### Variable Axis Baseplate [Item no.: PP-151-VAB]



# Placement and Positioning Systems

## Small Head Plate made of carbon

[Item no.: L-KKP-QF-S]  
(for head precuts)

With adapter rail so it can fit a variety of indexing systems. Precuts are fastened in place with a Quick-fastener system.  
(Note: The indexing rail is not included).



## Head Tilt System made of carbon

[Item no.: L-KNS-QF-S]  
(for head precuts)

Combination system with a Quick-fastener system, can be selected for fastening to the small head plate or the head-shoulder plate, can be inclined in six angles.



## Head-Shoulder Plate made of carbon

[Item no.: L-KSP-QF-S]  
(for head and head-shoulder precuts)

With adapter rail so it can fit a variety of indexing systems. Precuts are fastened in place with a Quick-fastener system.  
(Note: The indexing rail is not included).



## Long Head-Shoulder Plate made of carbon

[Item no.: L-KSP-QF-L]

A long head-shoulder plate made of carbon represents an expansion on our head-shoulder plate.

The plate with a length of 980 mm and a width of 555 mm can be pushed over the end of the treatment table to position the patient's head outside the treatment table.



# Placement and Positioning Systems

## Combiboard made of carbon [Item no.: L-KB]

The Combiboard made of carbon represents a complete solution for radiation of cranial, neck and thoracic areas. Special armrests and shoulder supports made of carbon and various head positioning pillows are fastened to the Combiboard. The Combiboard can be inclined to a variety of different positions. An adjustable seat brake prevents the patient from unintentionally sliding down. Fixed points for the use of head, head-shoulder and breast or abdominal masks have been included. The new version of the Combiboard incorporates an optimized and patented locking system for armrests and shoulder supports. Positioning on a therapeutic table can be done using the indexing rails available from the equipment's manufacturers (note: The indexing rail is not included to delivery parts).

The Combiboard can also be delivered for use in MRI, without any metallic structures or connections. Its lightweight and special wall brace makes the Combiboard easy to store in a way that saves effort and space.

The package included: a base plate, an inclined and a high armrest, two high shoulder supports, a red head cushion and a seat brake.



## Wingboard made of carbon [Item no.: PP-261]

Carbon wingboard can be completed with different head cushions. It can always be placed to the exact position by using the indexing rail. The wingboard provides an exact and safe positioning of the patient during the treatment in the chest and lung area.



# Placement and Positioning Systems

## Stereotactic Head Mask Support [Item no.: L-SKMH-C]

The stereotactic head mask support made of carbon can be positioned on the Universalboard 2000 and the long head-shoulder plate. Individually adjusted back-of-head masks can be combined with head and head-shoulder masks. A precisely reproducible positioning of the patient is assured.

Special solution: Available with a large base plate that can be positioned using indexing rails directly on the radiation table itself.



## RES-Con Board [Item no.: PP-30201]

Device for SBRT with comfortable positioning and respiratory motion control. Easy to use and cost-effective.

Compatible with vacuum bags and pelvic thermoplastic masks.

### Short Bridge [Item no.:PP-30201-SB]

Suppression plate range: 14 - 41 cm.

### Standard Medium Bridge [Item no.:PP-30201-MB]

Suppression plate range: 16 - 45 cm.

### Tall Bridge [Item no.:PP-30201-TB]

Suppression plate range: 18 - 47 cm.







# RT Cast

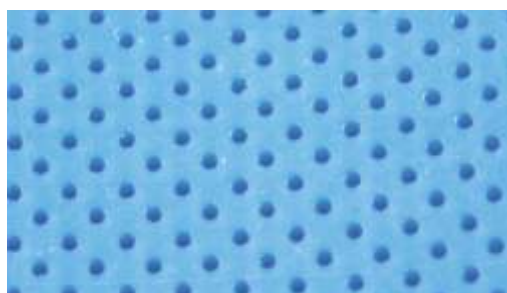
## RT Cast Thermoplastics

RT Cast low temperature thermoplastic for radiotherapy applications providing excellent atility and reproducibility during treatment. RT Cast is available in different perforations, thickness and shapes. RT Cast comes in wide variety of precuts with integrated fixation profiles for most commercially available and custom treatment baseplates.

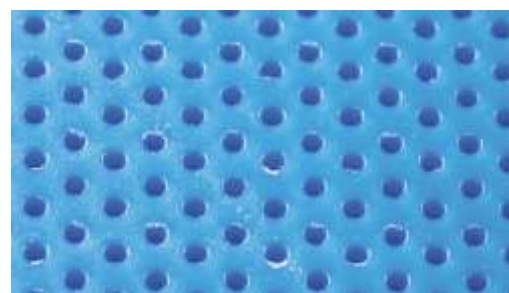
## RT Cast (RTC)

thermoplastic material provides excellent positioning and reproducibility during treatment. It has smooth non-sticky coating on both sides and available Microperforated and Midiperforated (Perfo A). Thickness 2,0mm; 2,3mm or 3,2mm. Pink or light blue.

[Item no.:RTC-1123] Microperforated



[Item no.:RTC-1523] Midiperforated



## Turbotreat Comfort (TCB)

thermoplastic material provides excellent position - ing and reproducibility during treatment of paediatric or elderly patients. It has smooth non-sticky coating outside and unique soft layer on the side which is in direct contact with the patient's skin. TCB material is available Microperforated. Thickness 2,3mm. Blue.

[Item no.: TCB-1123]



# Thermoplastic precuts for Quick-fastener systems

## RT Cast 50-OF

Head and shoulders mask with 5 L-profiles, open face.

[Item no.: RTC50-OF-1123]

(Available versions: RTC50-OF-MC-1123, RTC50-OF-TCB-1123)

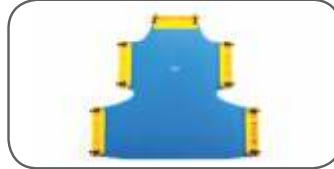


## RT Cast 50

Head and shoulders mask with 5 L-profiles.

[Item no.: RTC50-TCB-1123]

(Available versions: RTC50-1123, RTC50-MC-1123)



## RT Cast 30

Head mask with 3 L-profiles.

[Item no.: RTC30-1123]

(Available versions: RTC30-MC-1123, RTC30-TCB-1123)

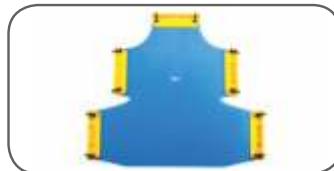


## RT Cast 50S

Small head and shoulders mask with 5 L-profiles.

[Item no.: RTC50S-TCB-1123]

(Available versions: RTC50S-1123, RTC50S-MC-1123)



## RT Cast 30-OF

Head mask with 3 L-profiles, open face.

[Item no.: RTC30-OF-1123]

(Available versions: RTC30-OF-MC-1123, RTC30-OF-TCB-1123)



## RT Cast 60

Large thorax mask with 4 L-profiles.

[Item no.: RTC60-TCB-1123]

(Available versions: RTC60-1123, RTC60-MC-1123)

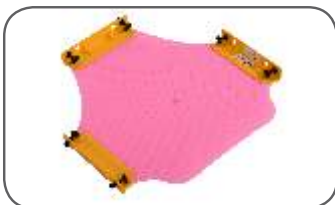


## RT Cast 33

Head and neck mask with 3 L-profiles.

[Item no.: RTC33-1123]

(Available versions: RTC33-MC-1123, RTC33-TCB-1123)



## RT Cast 80

Small extremity mask with 2 L-profiles.

[Item no.: RTC80-TCB-1123]

(Available versions: RTC80-1123, RTC80-MC-1123)



## RT Cast 90

Small extremity mask with 2 L-profiles.

[Item no.: RTC90-TCB-1123]

(Available versions: RTC90-1123, RTC90-MC-1123)



\*Custom precuts available upon request



# Thermoplastic precuts for L-profile systems

## RT Cast O-3

Head mask with 3 L-profiles

Thermoplastic material with antibacterial properties.

Maxi perforated with solid borders.

Thickness 2,0mm [Item no.: RTC-O3-TAB-2520]

Thickness 2,4mm [Item no.: RTC-O3-TAB-2524]



## RT Cast O-4

Head and shoulders mask with 4 L-profiles

Thermoplastic material with antibacterial properties.

Maxi perforated with solid borders.

Thickness 2,0mm [Item no.: RTC-O4-TAB-2520]

Thickness 2,4mm [Item no.: RTC-O4-TAB-2524]

## RT Cast O-5

Head and shoulders mask with 5 L-profiles

Thermoplastic material with antibacterial properties.

Maxi perforated with solid borders.

Thickness 2,0mm [Item no.: RTC-O5-TAB-2520]

Thickness 2,4mm [Item no.: RTC-O5-TAB-2524]



# Thermoplastic precuts for L-profile systems

## RT Cast O-3

Head mask with 3 L-profiles

Thermoplastic material with antibacterial properties.

Micro perforated.

Thickness 2,0mm [Item no.: RTC-O3-TAB-1520]

Thickness 2,4mm [Item no.: RTC-O3-TAB-1524]



## RT Cast O-5

Head and shoulders mask with 5 L-profiles

Thermoplastic material with antibacterial properties.

Micro perforated.

Thickness 2,0mm [Item no.: RTC-O5-TAB-1520]

Thickness 2,4mm [Item no.: RTC-O5-TAB-1524]

Other types available upon request:

- Head only with neck flap
- Neck and thorax masks
- Thorax masks
- Paediatric masks
- Open Face masks
- Custom perforated with reinforced areas





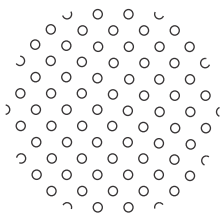
# RT Cast

## AquaCast™ thermoplastic perforation guide

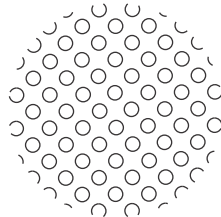
MICRO - perforation code ending with „1“ has holes with 1,2 mm diameter and perforation 13%.

MAGI - perforation code ending with „3“ has holes with 1,9mm diameter and perforation 28%.

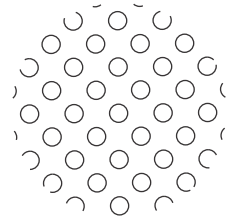
MAXI - perforation code ending with „4“ has holes with 2,4mm diameter and perforation 21%.



**MICRO**



**MAGI**



**MAXI**

### Instructions for use:

1. Adjust water bath temperature between 65° to 70° C.
2. Place the mask into heated water until thermoplastic becomes soft and clear (about 1 minute).
3. Lift the mask from water and dry off excess water on the towel.
4. As thermoplastic cools, it becomes rigid and returns to its original color. Do not remove the mask until it cools completely and rests on the patient for at least 5-10 minutes.

# Pre-Molded U-Frame and Split-Frame Masks

- These masks are made of **AquaCast™** which become transparent in hot water and cooling down faster than any other masks on the market to shorten the moulding time and minimize shrinkage.
- Due to the premium perforation patterns, all of our mask materials have no cutting edges to hurt patients or users. Consistent perforations also can maximize patient immobilization & minimize bolus effect commonly associated with solid reinforced masks during radiation therapy.
- Three different openings are available for U-Frame Masks to get better clearance around patient ears. Split-Frame are also available for special treatment needs to get better fixation with minimum tenting effects.

Extended masks with length 34cm for better thorax coverage are also available upon request.

## U-Frame Masks with 17.7 cm opening

## U-Frame Masks with 18.8 cm opening

Shape



Length	24cm	29cm	31cm	24cm	29cm	31cm
Cat.	# <b>PU-24</b>	# <b>PU-29</b>	# <b>PU-31</b>	# <b>PU-24L</b>	# <b>PU-29L</b>	# <b>PU-31L</b>
Code	@AC161	@AC161	@AC161	@AC161	@AC161	@AC161
Code	@AC204	@AC204	@AC204	@AC204	@AC204	@AC204
Code	@AC244	@AC244	@AC244	@AC244	@AC244	@AC244
Code	@AC324	@AC324	@AC324	@AC324	@AC324	@AC324

## U-Frame Masks with 21 cm opening

## Split-Frame Masks

Shape



Length	24cm	29cm	31cm	24cm	29cm	31cm
Cat.	# <b>PU-24W</b>	# <b>PU-29W</b>	# <b>PU-31W</b>	# <b>PU-30x24</b>	# <b>PU-30x29</b>	# <b>PU-30x31</b>
Code	@AC161	@AC161	@AC161	@AC161	@AC161	@AC161
Code	@AC204	@AC204	@AC204	@AC204	@AC204	@AC204
Code	@AC244	@AC244	@AC244	@AC244	@AC244	@AC244
Code	@AC324	@AC324	@AC324	@AC324	@AC324	@AC324

To order our masks, simply add **the material codes @** after catalogue #.

If you are using **Klarity™** head boards, please use # **PK** instead of # **PU** for catalogue numbers.

## Pre-Molded S-Frame Masks and Immobilization Board

- All of our masks have consistent perforations to get maximum patient immobilization and can eliminate bolus affect commonly associated with solid reinforced masks during radiation therapy
- Due to our premium perforation patterns, all of our thermoplastics and pre-molded casts have no cutting edges to hurt patients or users & can maximize patients comfort during treatments.
- There are two handles on our S-Frame Masks for easy taking-off from Type-S boards.
- Our casts are made of **AquaCast™**

Simply add **material codes @** after Catalog # while placing your orders!

## Traditional Pre-Molded S-Frame Masks for S-Type Boards

Shape				
Length	24cm	29cm	31cm	44cm
CAT.	<b># PS-24</b>	<b># PS-29</b>	<b># PS-31</b>	<b># PS-44</b>
Code	@AC161	@AC161	@AC161	@AC161
Code	@AC204	@AC204	@AC204	@AC204
Code	@AC244	@AC244	@AC244	@AC244
Code	@AC324	@AC324	@AC324	@AC324



# Stereotactic Head Masks

For use with Stereotactic Head Mask Support

[Item no.: L-SKMH-C]

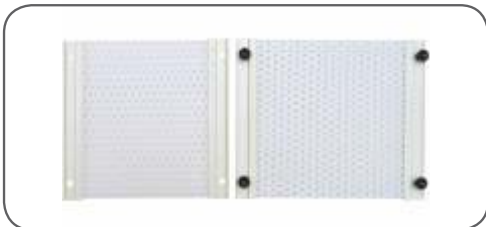
Masks are made of Softfix Plus white material, one side coated and non-sticky, thickness 3,2mm



## Mask Precut

[Item no.: VS03/061]

for stereotaxy: 1 x rear head mask with fixation rails, 1 x facial mask, 2-point fastening with 2 white rails



## Mask Precut

[Item no.: VS05/061]

for stereotaxy: 1 x rear head mask with fixation rails, 1 x facial mask, 4-point fastening with 2 white rails and 2 black profiles with tracheostomy hole



## Mask Precut

[Item no.: VS04/063]

for stereotaxy: 1 x rear head mask with fixation rails, 1 x facial mask, 3-point fastening with 2 white rails and 1 black profile



## Mask Precut

[Item no.: VS07/063]

for stereotaxy: 1 x rear head mask with fixation rails, 1 x facial mask, 5-point fastening with 2 white rails and 3 black profiles with tracheostomy hole



# Cushions and Support Rests

We manufacture cushions in a variety of geometric shapes and sizes depending on the type of positioning required (on the stomach and the back position)

Positioning cushions are made from radiation-resistant foam, have a solid structure, can be disinfected, are of a quality for long-term storage and have low rates of radiation absorption.

## Head Support Cushions set

[Item no.: HR-U-3SET]

Set of 3 shapes – A, B, C

Antibacterial surface, PU foam.

Base dimensions 10 x 23 cm.

## Head rest, Shape B. [Item no.: HR-U-B]



## Head rest, Shape A. [Item no.: HR-U-A]



## Head rest, Shape C. [Item no.: HR-U-C]



## Prone pillow, red for adults

[Item no.: L-KS-r-BI]

Made of rigid foam



## HPP Head Supports

[Item no.: HPP-KIT]

High Precision Pillow for S-Type baseplates.

New replacement for TIMO supports.

Kit of 6 shapes: A-B-C-D-E-F



## Prone pillow, blue for children

[Item no.: L-KS-b-BI]

Made of rigid foam



## SILVERMAN Head Supports [Item no.: SILVER-KIT]

Acrylic SILVERMAN Head Supports with punched peg holes for different head boards.

Kit of 6 shapes: A-B-C-D-E-F.



## Head Rest Extended S1

[Item no.: HR-S-1]

PU foam extended support. Base dimensions 10x23cm.



Shoulder retraction handles, [Item no.: 2001-020]  
Pair, 9 indexing positions. Compatible with Feet Rest Angulation device L-FKA.



Knee Positioning Cushions  
KNEE REST carbon fiber [Item no.: L-KK-C]  
3 indexable positions



Knee Positioning Cushions  
KNEE REST glass fiber [Item no.: L-KK-G]  
3 indexable positions



Low Knee Positioning Cushion made of carbon [Item no.: L-KK-C-4]  
4 cm lower than L-KK-C.



Paediatric Knee Positioning Cushion made of carbon [Item no.: L-KK-C-P-2]  
With three recessed grips, can be positioned on the equipment table by means of the indexing rail.



Paediatric Knee Positioning Cushion made of carbon [Item no.: L-KK-C-P-2] with  
Elevation Block for Paediatric Knee Positioning Cushion made of carbon [Item no.: L-KK-C-P-B]



Foot Positioning Cushion made of carbon FEET REST [Item no.: L-FK-C]  
With two recessed grips, can be positioned on the equipment table by means of the indexing rail



Lower Extremity positioning System [Item no.: L-KFK-SYS]



Vacuum Bags  
[Item no.: VK-size-volume]  
We offer blue vacuum cushions in many different sizes and volume.  
Material is durable blue Nylon, filled with Styrofoam beads, disinfectable.  
High quality CPC valve reliably hold vacuum.  
Vacuum Bags can be positioned on table using the indexing bars.



Vacuum pump, electric. [Item no.: VAC-811]



# Miscellaneous

Total Body Irradiation beam spoiler.

[Item no.:TBI-180x150-PMMA]

10mm PMMA (acrylic) screen:

length 180cm

height 150cm

Frame:

length 194 cm

width 75 cm

height 204 cm

4 locking 150mm castors



## Indexing Rails

Indexing Rails made of carbon of various equipment's manufacturers

for Varian [Item no.: Z-IS-V-C]

made of carbon

for Elekta [Item no.: Z-IS-MJ]

made of carbon

for Siemens [Item no.: Z-IS-S-C]

made of carbon



## Water Bath

[Item no.: S-WB-3]

Temperature controlled water bath to prepare the precut material for conforming it to the contour of the patient.

Capacity: 27 liters

Interior dimensions: 580 mm x 480 mm x 110 mm, adjustable position of water drainage, black safety opening bracket, digital temperature display.

We also manufacture a larger water bath with the following inner dimensions:

700 mm x 700 mm x 110 mm [Item no.: S-WB-3S]



# Gold Fiduciary Marker Needles

## Square Hub Marker Kit

- Electropolished for sharpness
- Siliconized for easy insertion
- Mirror polished I.D. for a smooth, easy seed deployment
- Echo-enhanced tipped for ultrasound visualization
- Centimeter markings for depth placement
- Rounded stylet for smooth gold marker delivery
- Foil marker to indicate bevel tip orientation



1.2 x 3mm Gold Marker Knurled



### Order codes:

GM1231-1720  
GM1233-1720  
GM1031-1820  
GM1033-1820  
GM1051-1820  
GM1053-1820

- (1) 1.2 x 3mm Gold Marker inside 17G x 20cm Brachytherapy needle
- (3) 1.2 x 3mm Gold Marker inside 17G x 20cm Brachytherapy needle
- (1) 1.0 x 3mm Gold Marker inside 18G x 20cm Brachytherapy needle
- (3) 1.0 x 3mm Gold Marker inside 18G x 20cm Brachytherapy needle
- (1) 1.0 x 5mm Gold Marker inside 18G x 20cm Brachytherapy needle
- (3) 1.0 x 5mm Gold Marker inside 18G x 20cm Brachytherapy needle



# RAD SAFE®

## PIGMENTS for RADIOTHERAPY

### field reference points

Sterile pigments accredited as medical devices for radiotherapy reference points

In order to correctly target the irradiated field, reference points are marked on the skin to ensure perfect targeting and reproducibility of tumour irradiation.

Supplied in 0.6ml monodoses with a break-off closure, the pigments are sterilized by a validated industrial method (sterilization by gamma radiation at a dose level greater than 25 kGy).

RAD SAFE® is single-use and accredited as a 'medical device', class IIb (invasive implant), under the terms of medical device directive 93/42 on "medical device". In addition to the safety and statutory requirement dimensions, the pigments do not turn blue but fade over time, effacing the stigmata of the disease.

Each monodose bears a batch number ensuring traceability.

### Order codes:



D040-121  
Radsafe Sterile  
pouch **black  
colour**  
(monodose  
with cup and  
lancet)



D040-122  
Radsafe  
Monodose  
**black colour**



## RADIOTHERAPY SOLUTIONS

UAB "VPC"

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