

**Klarity**<sup>®</sup>

# MR RT Solutions



**MR Overlays &  
Coil Supports**



**MR Patient  
Positioning Devices**



**MR Patient  
Transfer Systems**



**MR Patient Transfer Systems**  
Options including transfer utilizing hover technology  
(P21 - 27)



**MR Overlays & Coil Supports**  
Customization service available  
(P4 - 10)



**MR Patient Positioning Devices**  
(P11 - 20)

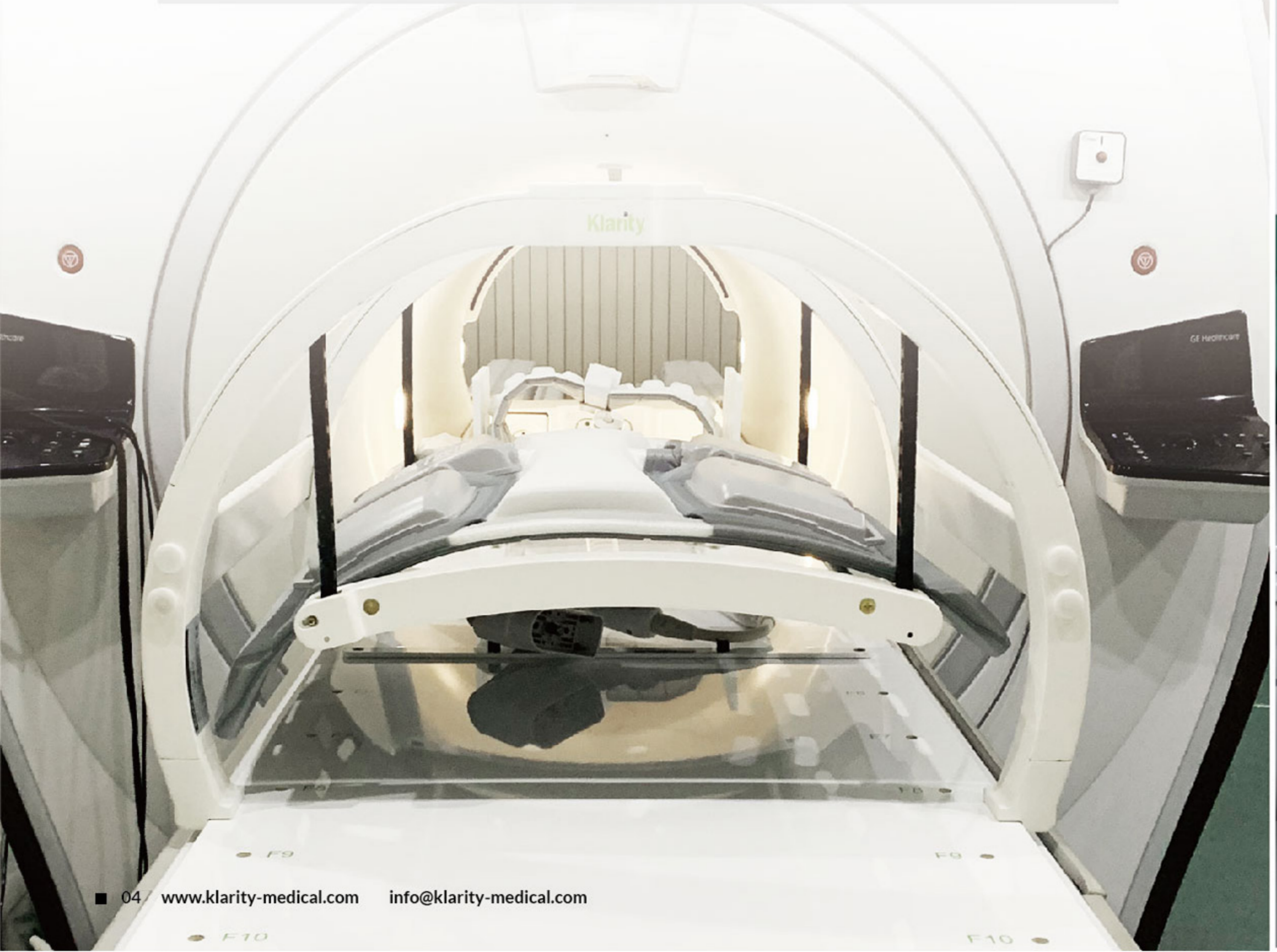
## Advantages of MRI in Radiotherapy

- Excellent soft tissue contrast
- Functional imaging enables tumour response assessment
- No ionizing radiation

# The Existing Solutions of MR Overlays & Coil Supports

Customization available for more MRI Systems

MRI System	Field	Bore size	Solution code
GE SIGNA Pioneer	3.0T	70 cm	R625-MGKF
GE SIGNA Architect	3.0T	70 cm	R625-MGKF2
GE Discovery MR750	3.0T	70 cm	R625-MGKF3
GE SIGNA PET	1.5T	60 cm	R625-MGKF5
GE Optima MR360	1.5T	60 cm	R625-MGKF6
GE Discovery MR750w GEM	3.0T	70 cm	R625-MGKF7
SIEMENS MAGNETOM Skyra	3.0T	70 cm	R625-MSKF
SIEMENS Biograph mMR	3.0T	60 cm	R625-MSKF2
PHILIPS Ingenia	3.0T	70 cm	R625-MPKF
UNITED IMAGING uMR790	3.0T	60 cm	R625-MUKF1





# MR Overlays & Coil Supports





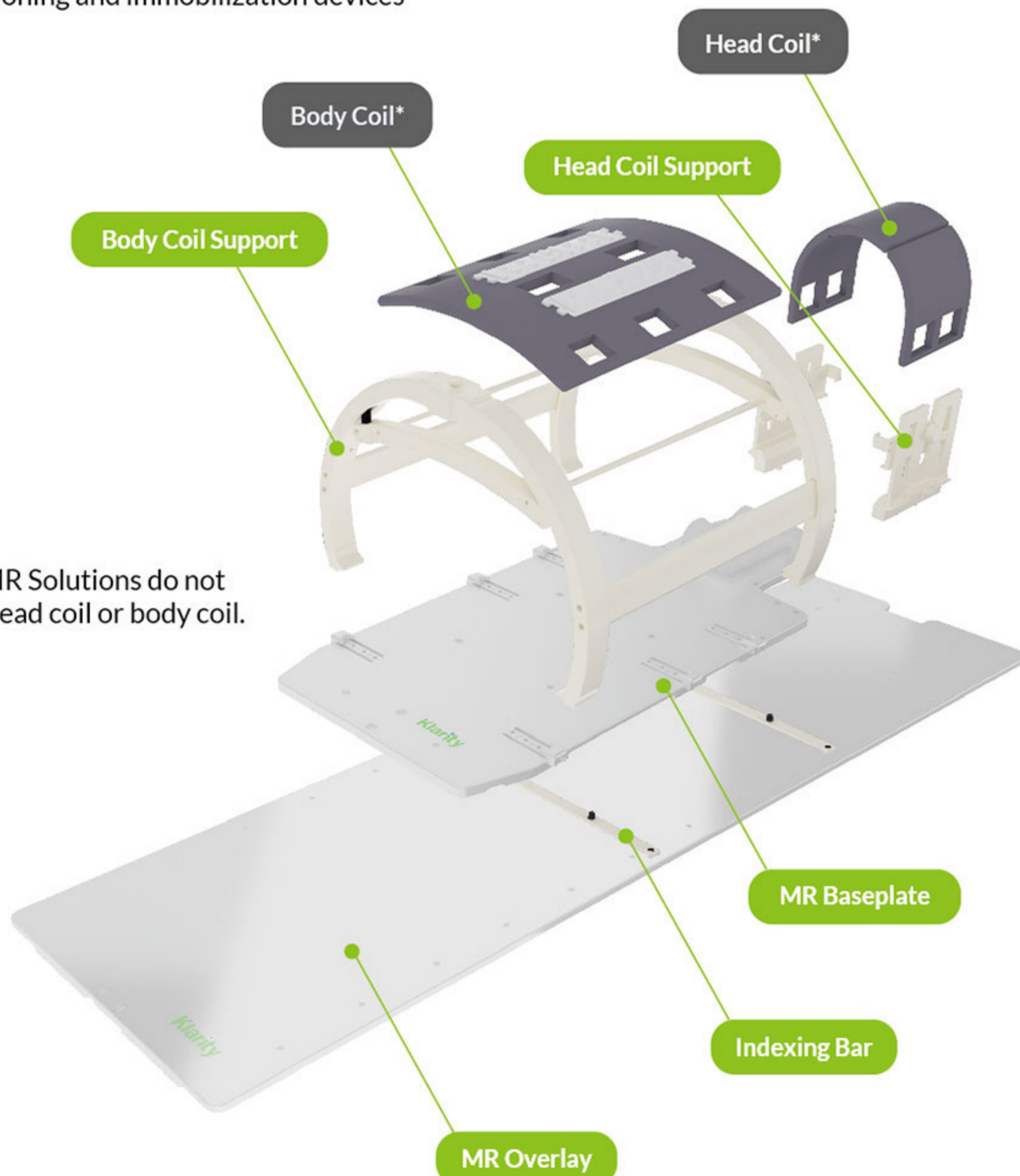
# MR Overlays & Coil Supports

## MR OVERLAYS:

- Strong support with an even surface
- Quick interface design allows an easy installation
- Provide high quality imaging
- Accommodates a variety of MR-compatible positioning and immobilization devices

## COIL SUPPORTS:

- Height-adjustable
- Can be adjusted to bring the coil close to patient body



\* Klarity MR Solutions do not include head coil or body coil.



**Solution for SIEMENS Biograph mMR 3.0T, 60cm**

**Solution Code:** R625-MSKF2

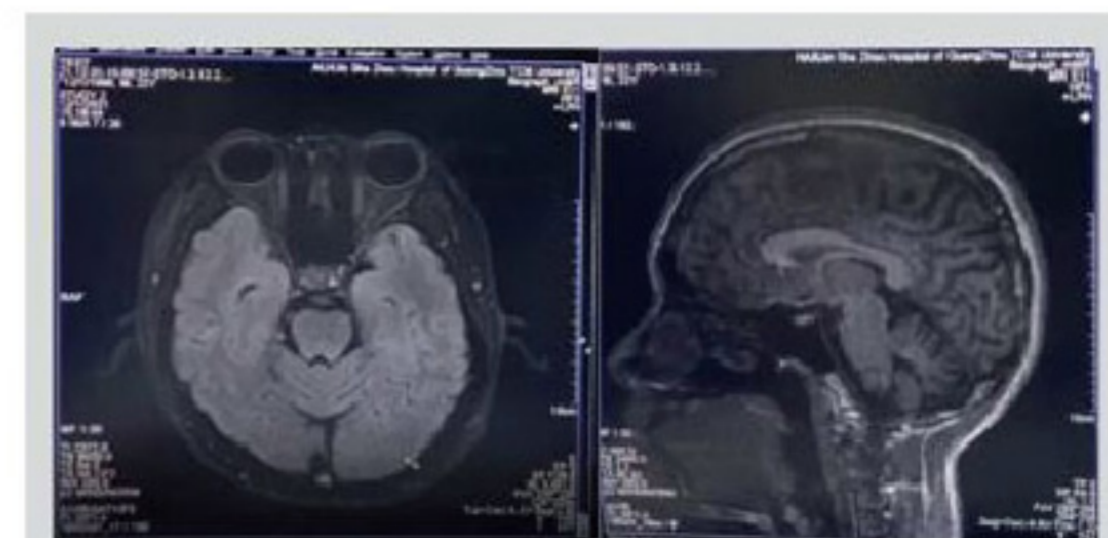
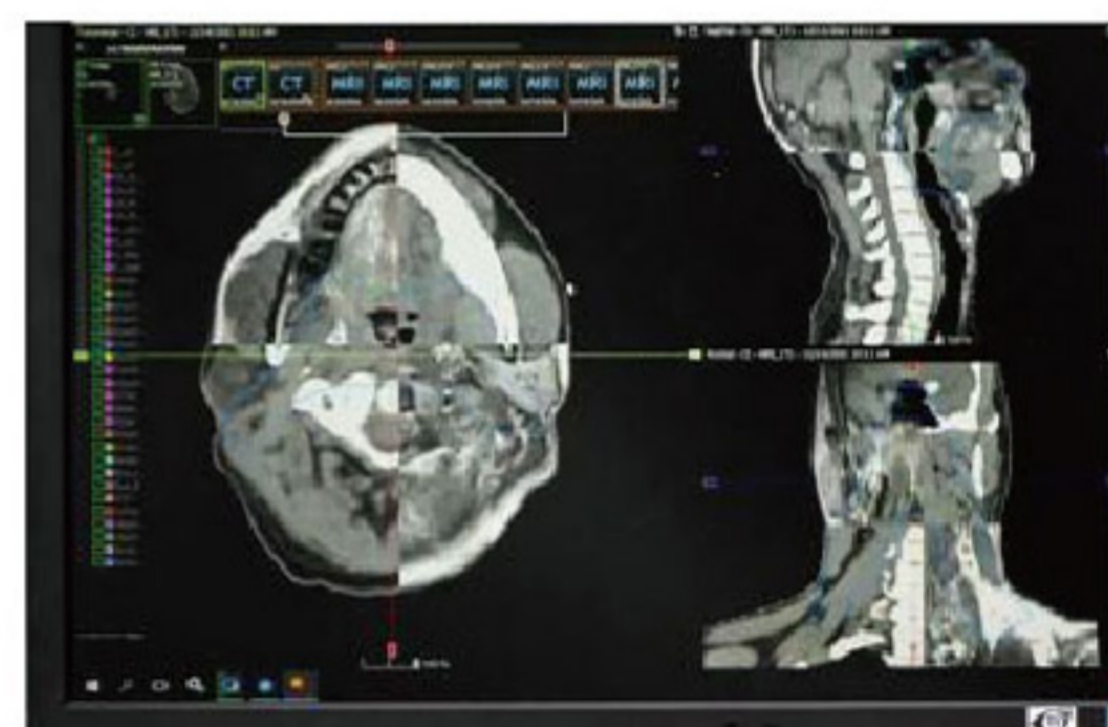
**Components:** MR Overlay & Head Coil Support

**MR Overlay**

- **Material:** Kevlar based composite material
- **Dimensions:** 2130 X 540 X 12mm
- **Weight:** 7 kgs

**Head Coil Support**

- **Material:** ABS
- Easy mounting & dismounting with push-pin fixing method.
- Height adjustable and can be adjusted to bring coil as close as possible to patient body without pressure.
- The support does not interfere imaging quality due to the coil being held inside the support.



**MR Images**



## MR Overlays & Coil Supports



### Solution for GE Discovery MR750 GEM 3.0T, 70cm

**Solution Code:** R625-MGKF7

**Components:** MR Overlay  
Head Coil Support and Body Coil Support

#### MR Overlay

- **Material:** Kevlar based composite material
- **Dimensions:** 2044 x 580 x 22mm
- **Weight:** about 8kgs

#### Head Coil Support and Body Coil Support

- **Material:** ABS / Fiberglass
- Easy mounting & dismounting with push-pin fixing method.
- Height adjustable and can be adjusted to bring coil as close as possible to patient body without pressure.
- The support does not interfere imaging quality.



MR Images



**Solution for GE Optima MR360 1.5T, 60cm**

**Solution Code:** R625-MGKF6

**Components:** MR Overlay  
Head Coil Support and Body Coil Support

**MR Overlay**

- **Material:** Kevlar based composite material
- **Dimensions:** 2044 x 530 x 22mm
- **Weight:** about 8kgs

**Head Coil Support and Body Coil Support**

- **Material:** ABS/POM
- Easy mounting & dismounting with push-pin fixing method
- Height adjustable and can be adjusted to bring coil as close as possible to patient body without pressure.
- The support does not interfere imaging quality.



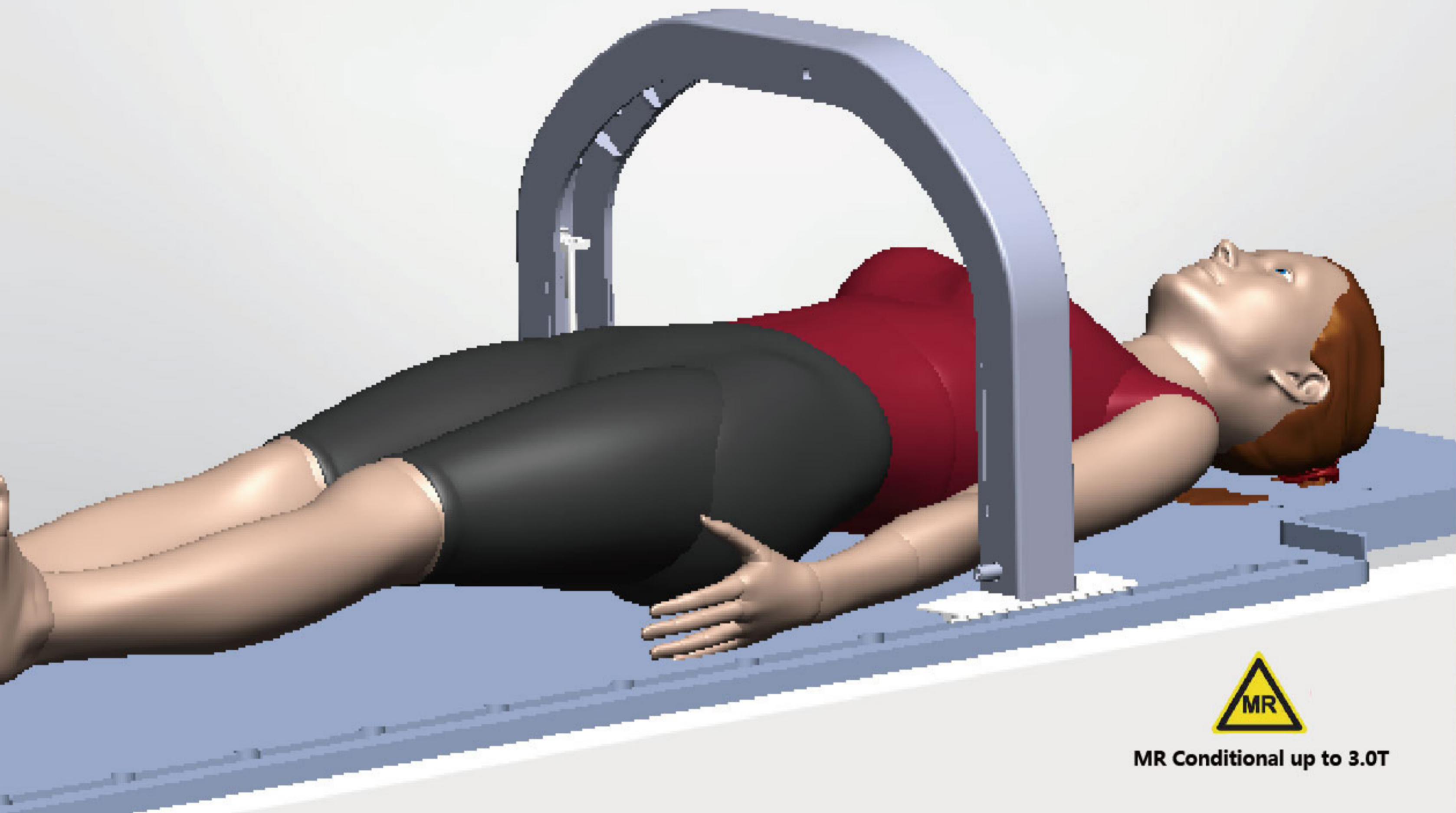




MR Overlays  
& Coil Supports

## On-couch Laser Frame™

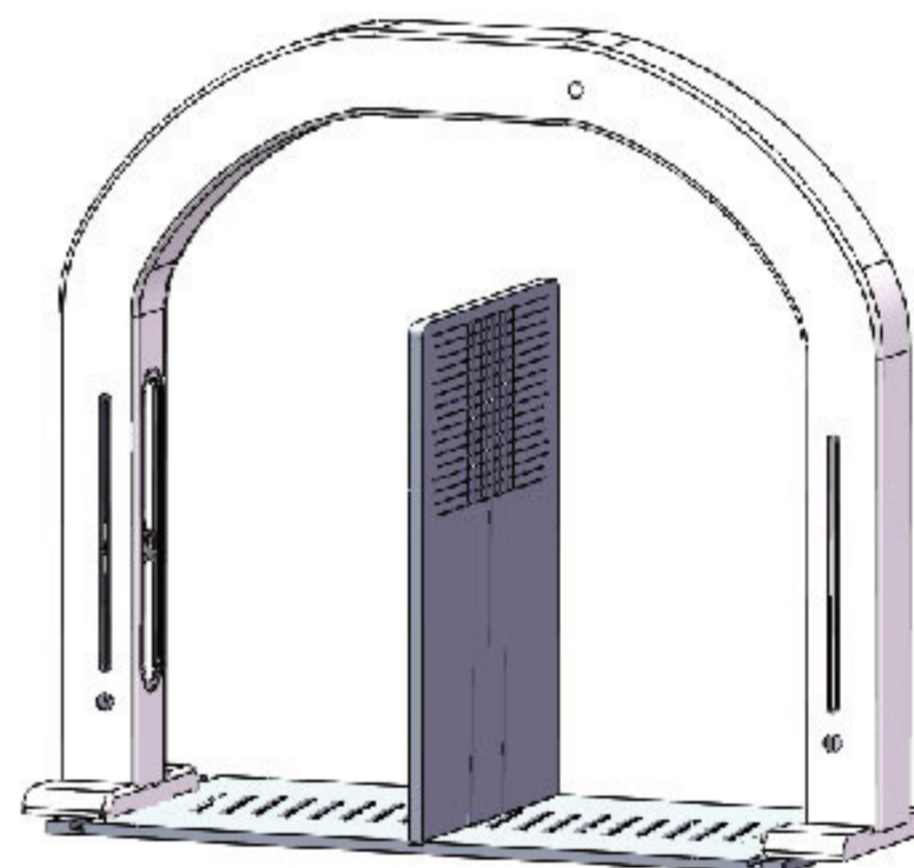
The simple on-couch laser system  
for easy CT/MR image fusion.



MR Conditional up to 3.0T

Product Code: R625-RLP2

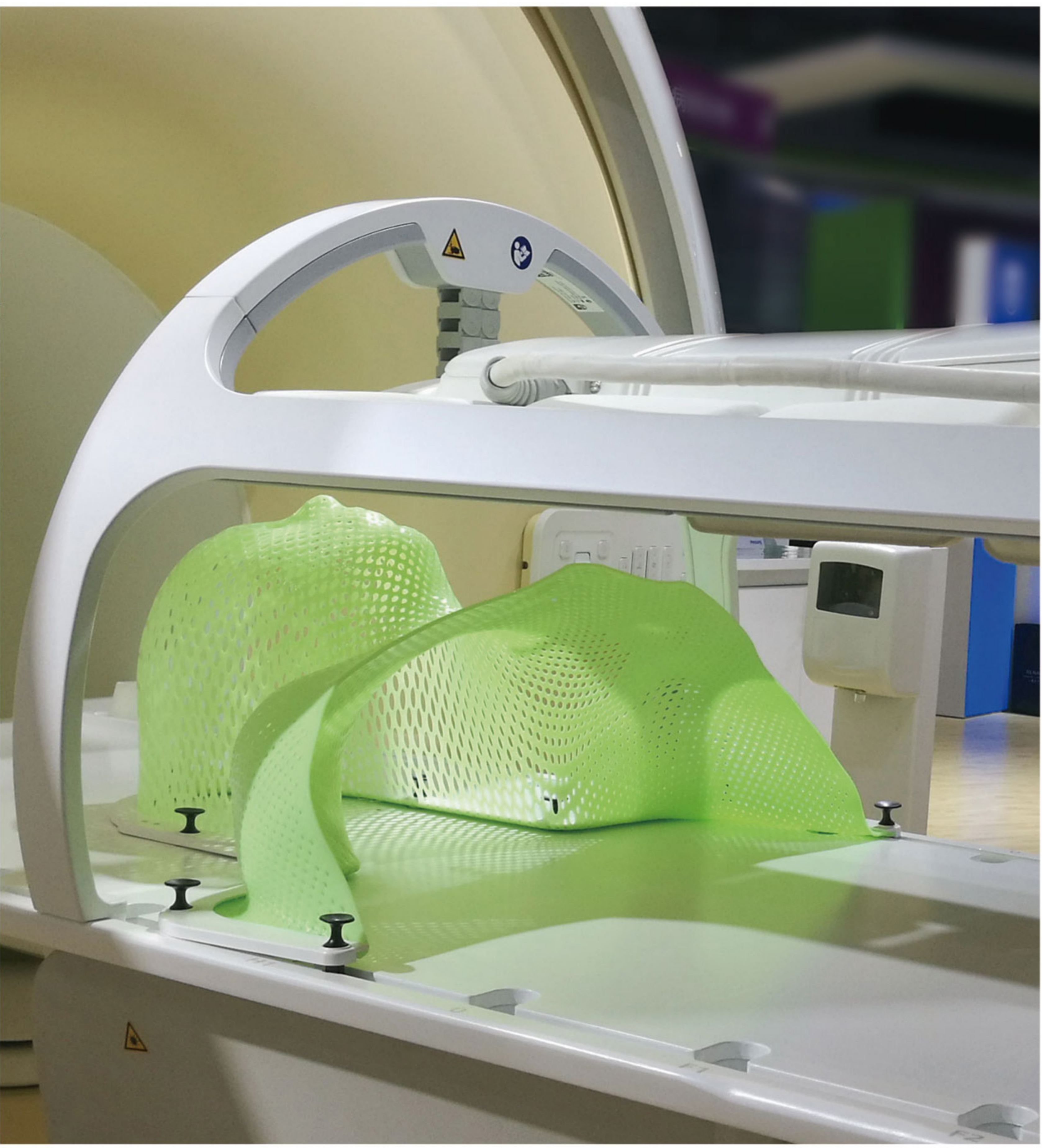
For MRI Systems with bore size of 70cm or bigger



- Easy to use
- Stable & reliable



# MR Patient Positioning Devices





# MR Patient Positioning Devices

## Baseplates

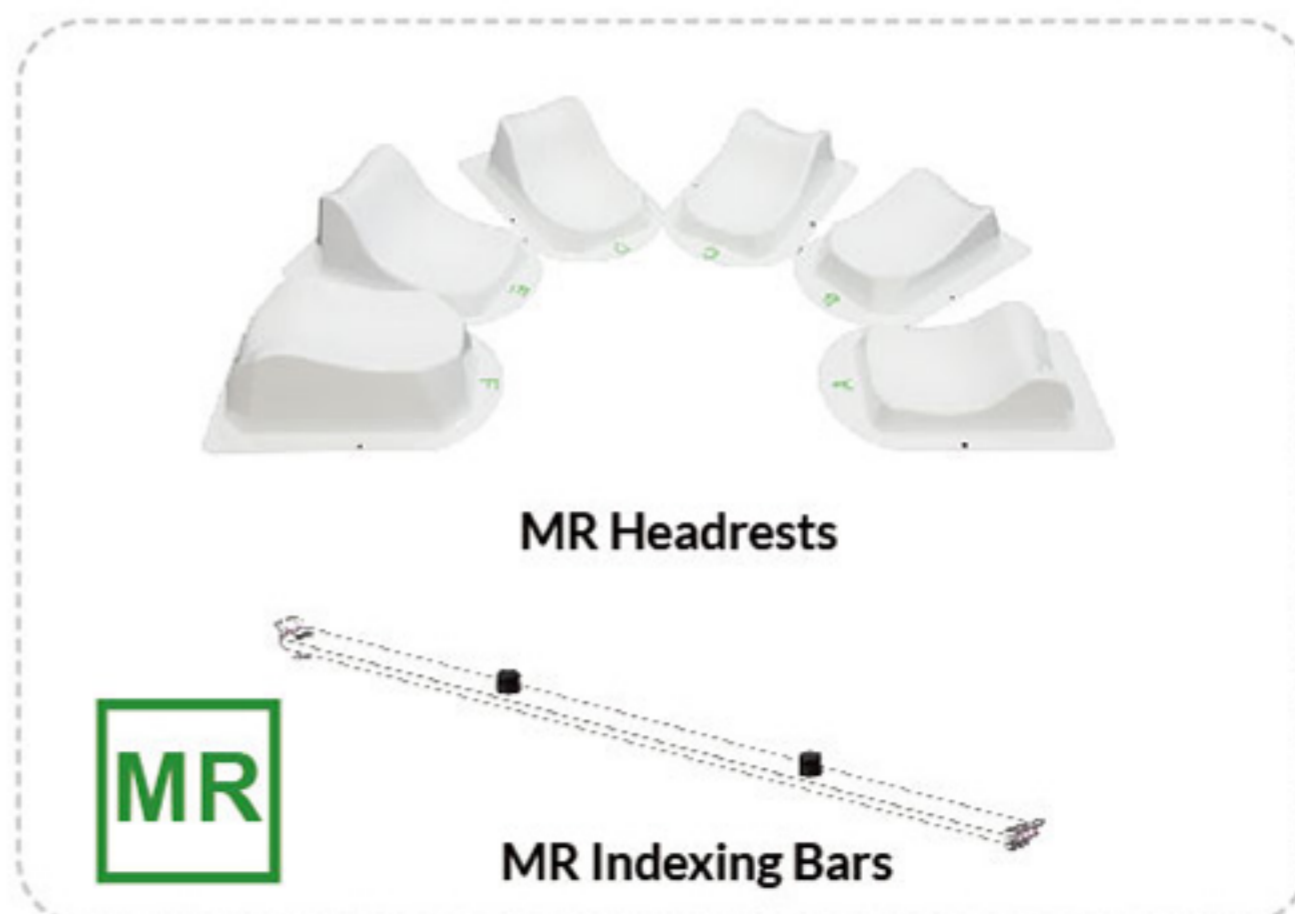
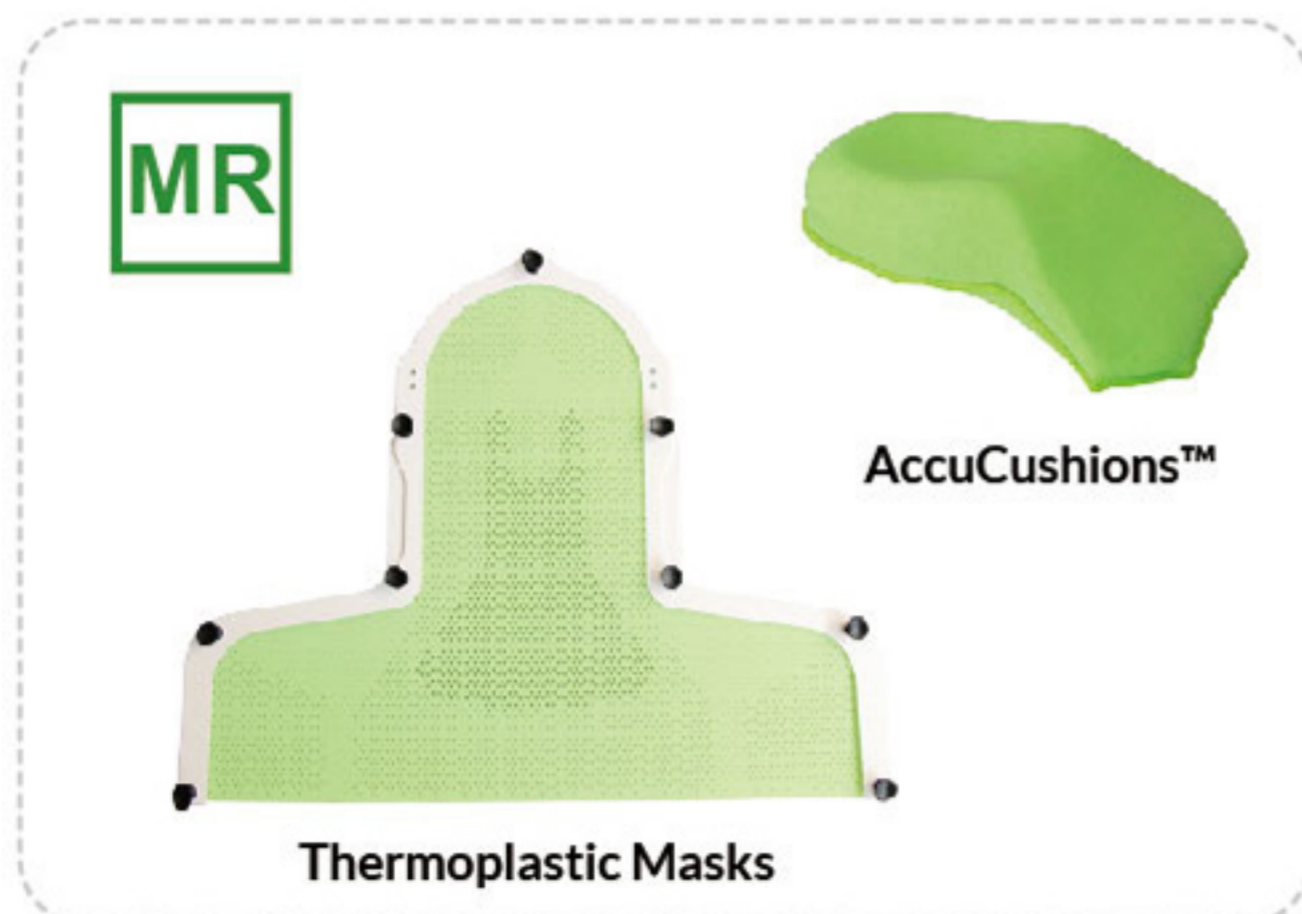


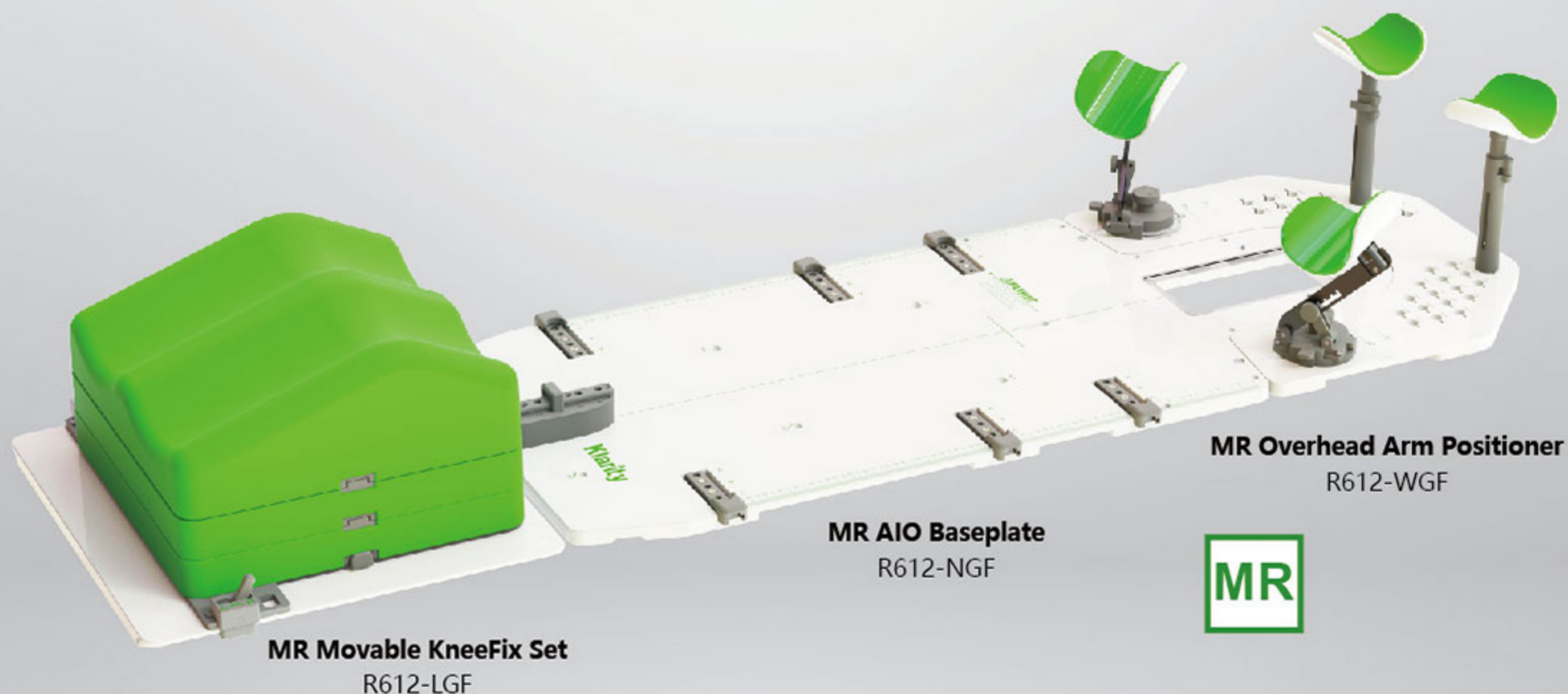
## MR Vacuum Bags

The newly developed Klarity MR Vacuum Bags are made of MR safe fabrics and filled with MR safe micro-balls of Styrofoam. To ensure its safe use, in the same time to guarantee the imaging quality, we equip each bag with a special valve which is MR conditional up to 3.0T.



## Accessories





**MR Movable KneeFix Set**  
R612-LGF

**MR AIO Baseplate**  
R612-NGF

**MR Overhead Arm Positioner**  
R612-WGF

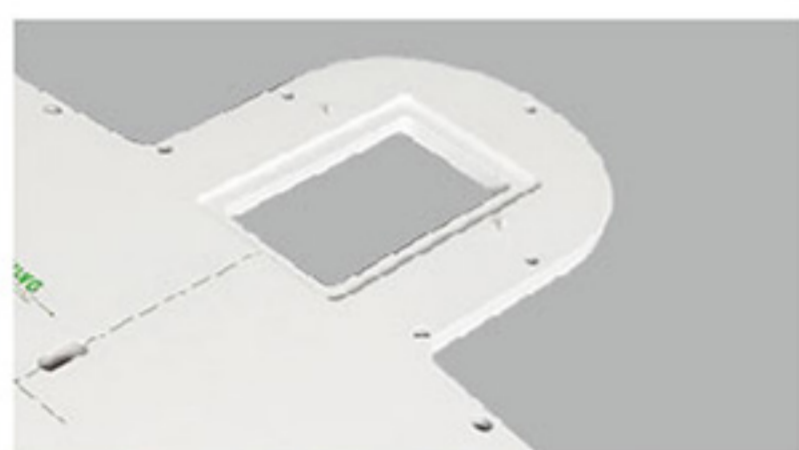


## Klarity MR Solo Align™ Full Body System

- An all-in-one baseplate for S-type masks compatible with small-bore machines.
- A/B/C location choices to provide better immobilization for patients.
- The MR compatible baseplate can be used to immobilize the head, neck, shoulders, thorax, and pelvis for targeted as well as whole-body treatments.

**MR**  
**R612**

### System Features



An adjustable head frame to fit different body sizes.



A groin lock enhances pelvic mask fixation, which can be easily mounted/dismounted.



Three pairs of indexing holes.





# One product, many solutions



### For Head & Neck Fixation

**Required**

Baseplate R612-NGF  
Head Mask: RLG460SHT (LiteGreen™)  
Narrow Shoulder H&S Mask:  
RLG460-2436S5T (LiteGreen™)



### For Head & Thorax Fixation

**Required**

Baseplate R612-NGF  
Overhead Arm Positioner R612-WGF  
Head & Thorax Mask :  
RLG322-S42436 (LiteGreen™)

\*A supine positioning solution for radical mastectomy IMRT

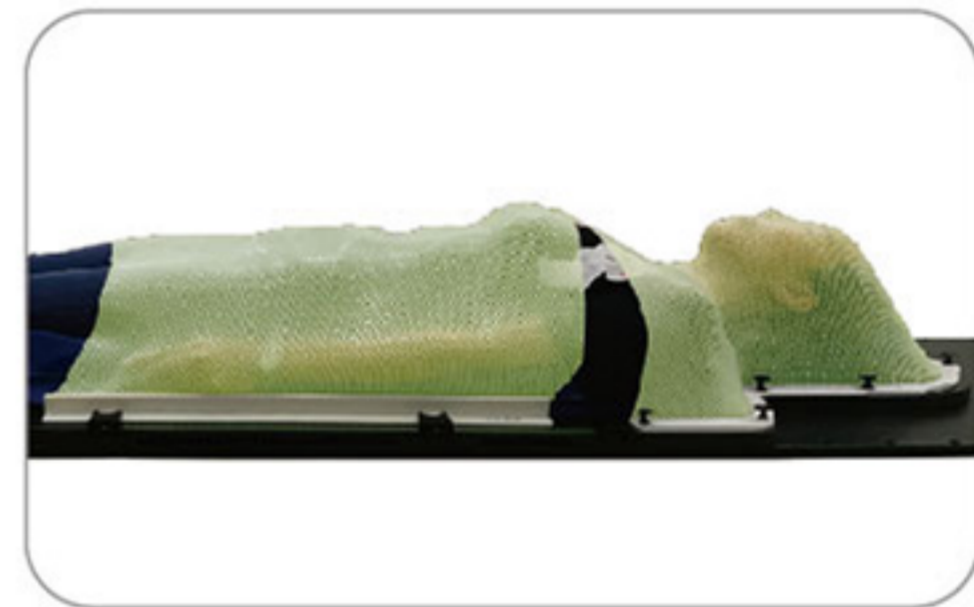


### For Breast Fixation

**Required**

Baseplate R612-NGF  
Overhead Arm Positioner R612-WGF  
Mask R322-S424C-L (Left Open)  
or R322-S424C-R (Right Open)

\*A supine positioning solution for breast-conserving IMRT



### For Craniospinal Irradiation

**Required**

Baseplate R612-NGF  
Narrow Shoulder H&S Mask:  
RLG460-2436S5T (LiteGreen™)  
Pelvis Mask RLG902-2436BA (LiteGreen™)



### For Pelvis Fixation

**Required**

Baseplate R612-NGF  
Overhead Arm Positioner R612-WGF  
Pelvis Mask: RLG902-2436BA (LiteGreen™)



### For Multi-Target RT Body Fixation

**Required**

Baseplate R612-NGF  
Overhead Arm Positioner R612-WGF  
Trunk Mask: RLG902-2436LA (LiteGreen™)



MR

### Klarity MR SRS System

- Double-masks system molds to the front and back of the head, enhancing accuracy and reliability.
- Frameless, non-invasive patient positioning system with sub-millimeter accuracy.
- The unique SRS Shim System is very easy to use with three alternative frames

MR  
SRS

#### • Components



Klarity MR SRS Baseplate  
R660-AGF1



Alternative Frames, a Set of 3 types.

#### SRS Consumables Package



SRS Masks

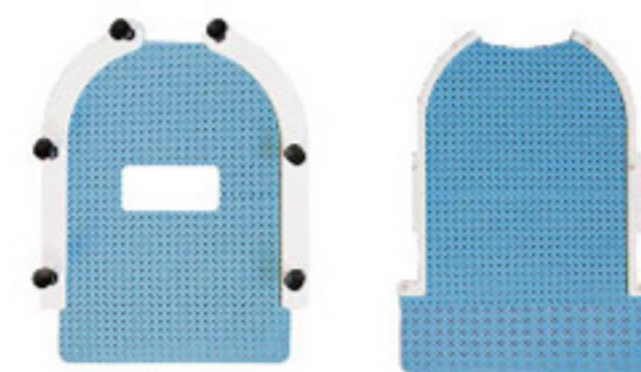
Code: RBSRS-02

+



BiteLok™

+



SRS Openface Masks

Code: RBSRS-F02



## MR Patient Positioning Devices



## MR SBRT

### Klarity MR SBRT System

The Klarity MR SBRT System is simple to use, highly indexable, and easily adjustable. The baseplate, knee and leg positioner, and vacuum bags are dedicated to maximize patient comfort during treatment.

#### • Components



Belly Compression Paddle and Respiratory Belt for Breath Restriction

WingSpan™ Baseplate

Foot Holder

Vacuum Bag for Body Support

Vacuum Bag for Knee Support

### Klarity MR SBRT System

Product Code: R62400-GF

(Please Specify When You Choose Klarity SBRT System for Philips MR Sim)



### Klarity PROMISE™ Proton Therapy System

- Durable & Patient Ergonomic Design
- Lightweight & Outperforming Quality Engineering
- Innovative & Convenient Mask Setup Positioning

MR  
PROTON

#### • Included components

PROMISE™ Baseplate (MR)  
R680-AGF



PROMISE™ Head Mask  
RG-PH-2436C (Green)

PROMISE™ Couch Insert for  
Treatment Delivery  
R680-ACFP



PROMISE™ Head AccuCushion  
RG-550-CEL2 (Green)





MR Patient  
Positioning Devices

Klarity ATHENA



Klarity ATHENA™ Supine Breast System  
R610-PDKF



MR  
ATHENA

### Klarity ATHENA™ Supine Breast System

- Well accommodated in 70cm bore
- More reliable with max load limit 200 kgs
- Enables the easy use with vacuum bags, head mask or head & thorax mask for better personalized immobilization



Klarity ATHENA™ Breast Wing Board (MR Version)  
R632-NTKF



MR Conditional up to 3.0T



### Klarity MR Vacuum Bags

- The slip-proof surface increases the bag stability when fixing on the overlay
- The bags can use with many kinds of immobilization devices
- Customization is available

**MR**  
**Vacuum Bags**

## Ordering Information

Model	Description	Specification	Compatibility
MR7202-9N	Vaccum Bag for Head & Shoulder Support	65.2X68.5 cm	Universal
MR7206-16N	Vaccum Bag for Head & Shoulder Support	98.5X70 cm	Universal
MR7244-21NR-O	Vaccum Bag for Head & Shoulder Support	135.2X60 cm	For R612 & R605 Baseplate
MR7249-21NR-O	Vaccum Bag for Head & Shoulder Support	134.7X70 cm	For R612 & R605 Baseplate
MR7504-28N	Vaccum Bag for Body Support	100X70 cm	Universal
MR7507-36N	Vaccum Bag for Body Support	120X80 cm	Universal
MR7580-36N	Vaccum Bag for Body Support	140X70 cm	Universal
MR75103-77N	Vaccum Bag for Body Support	200X80 cm	Universal
MR7644-40N	Vaccum Bag for Body Support	142X92 cm	Universal
MR7641-25NB4	Vaccum Bag for Body Support	120X80 cm	For SBRT baseplate only
MR7704-5NT-O	Vaccum Bag for Limbs Support	80X28 cm	For SBRT baseplate only



## MR Baseplates



**MR Optek™ System**  
R630-3SGF



**MR Optek™ Demi-Baseplate**  
R630-SHGF  
Compatible with Elekta Elekta  
HexaPOD™ System



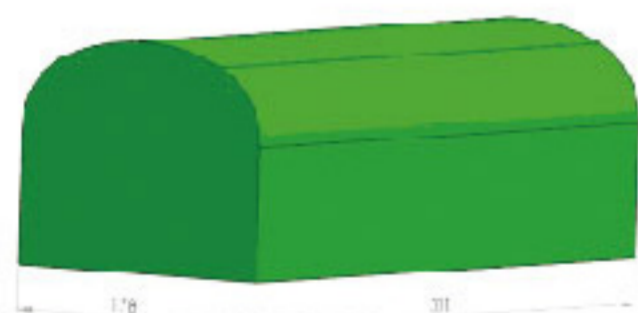
MR Conditional up to 3.0T

**Prone Pelvis System**  
R612-AE4



**Klarity Leg Positioner**  
R634-LGF

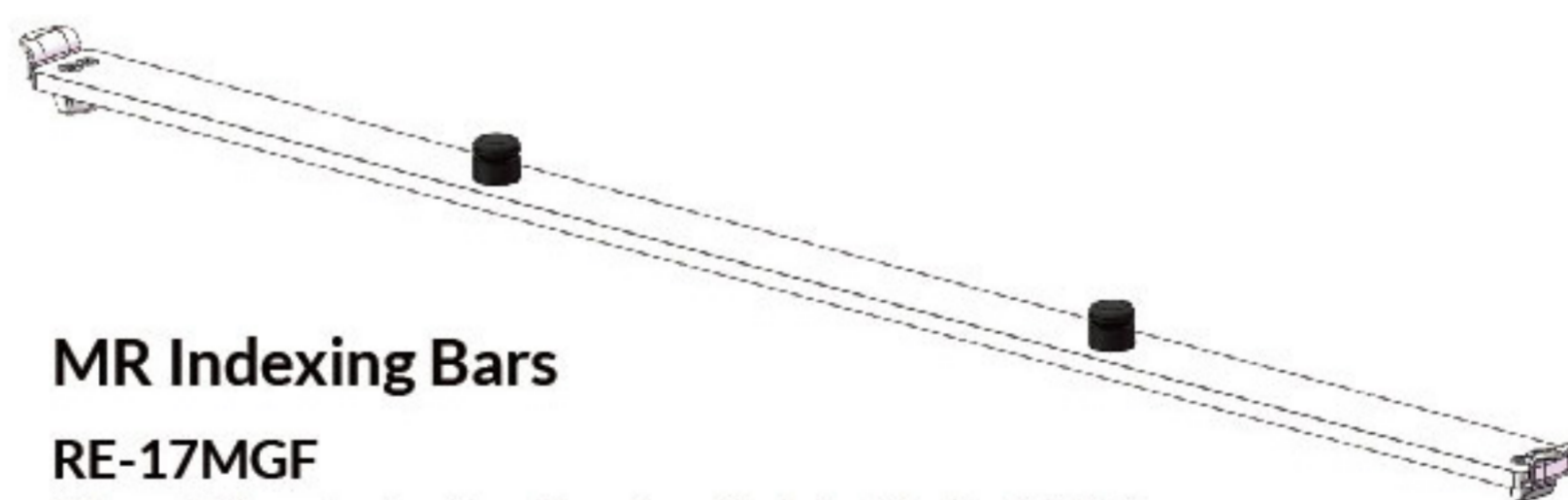
## MR Accessories



**Foam Cushion**  
R516-178L  
139x178x381mm



**MR Head Support Set of 6**  
R507-GF



### MR Indexing Bars

**RE-17MGF**

Glass Fiber Indexing Bar for Elekta Unity MR Linac

**RE-630ESGF**

Glass Fiber Indexing Bar for Elekta iBeam, TomoTherapy & United Imaging uRT-linac 506c

**RE-7BGF**

Glass Fiber Indexing Bar for Varian Truebeam

**RE-7SGF**

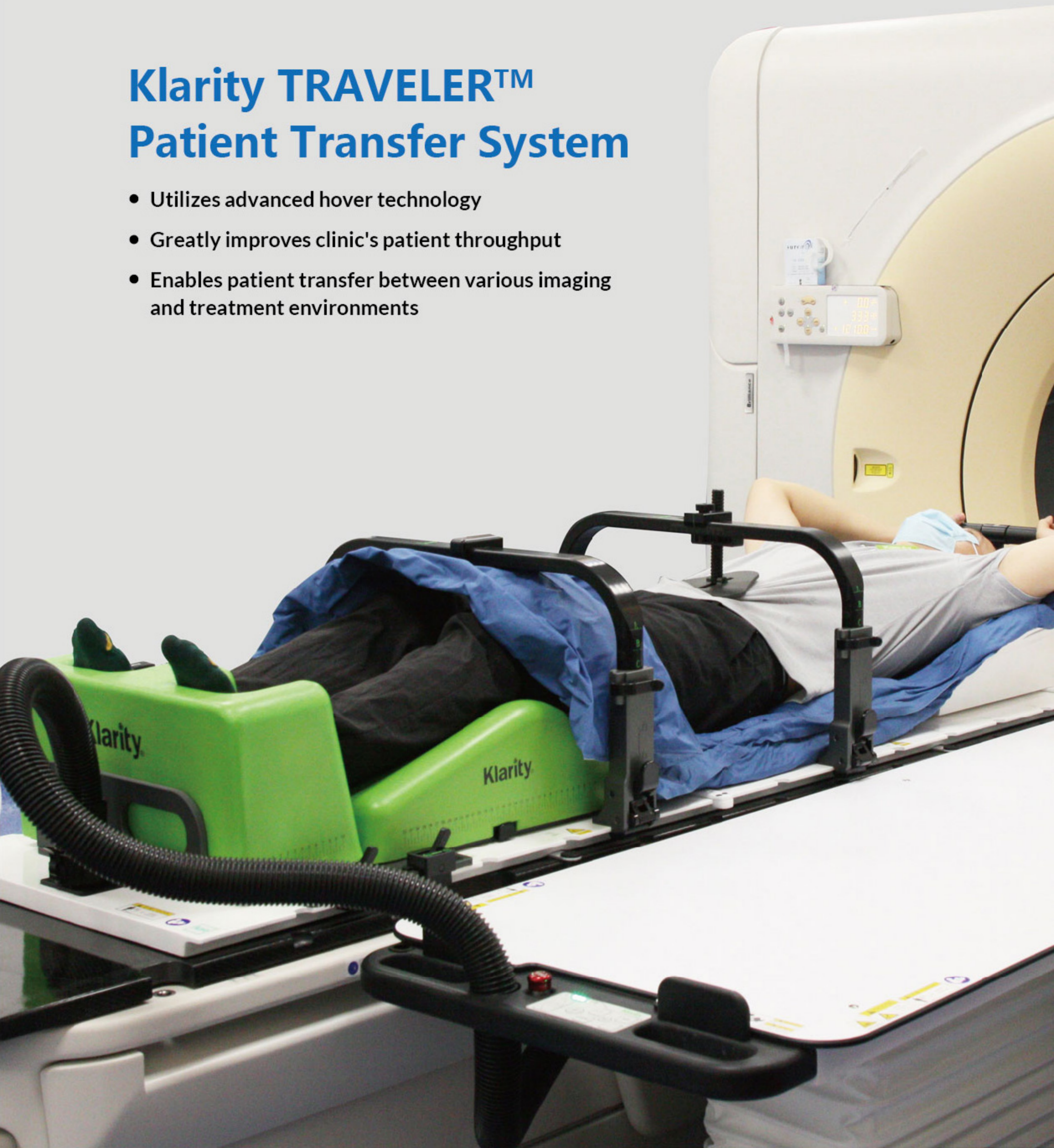
Glass Fiber Indexing Bar for Varian Truebeam  
Glass Fiber Indexing Bar for Elekta Unity MR Linac



# MR Patient Transfer Systems

## Klarity TRAVELER™ Patient Transfer System

- Utilizes advanced hover technology
- Greatly improves clinic's patient throughput
- Enables patient transfer between various imaging and treatment environments





# Klarity TRAVELER™ Patient Transfer System

Enables patient transfer between various  
imaging and treatment environments



MRI



RT



PROTON



CT



**Klarity TRAVELER™  
Patient Transfer System**  
KT-860A



BRT



MR Conditional up to 3.0T



Adjustable Leg Supports and  
Easy-to-Lock Applicator  
Clamping Device.



Applicator Clamping Device  
can be used with different  
afterloaders.



The trolley comes with  
hooks for hanging disposal  
bags and others.

## Improves workflow efficiency for various radiotherapy protocols

The universal design of the transfer system greatly improves clinics' operation efficiency and their patient throughput by allowing patient setup on the transfer device in various radiotherapy protocols.



for Brachytherapy



for SBRT



for SRS



for R612-AIO



# Klarity TRAVELER™

## Features and Benefits

### • Easy



The built-in air pump improves the device integration.



Height memory for quick adjusting to the preset trolley height. Manual adjustment available too.

### • Safety



Emergency brake system.



One Footbrake controls four wheels synchronously.

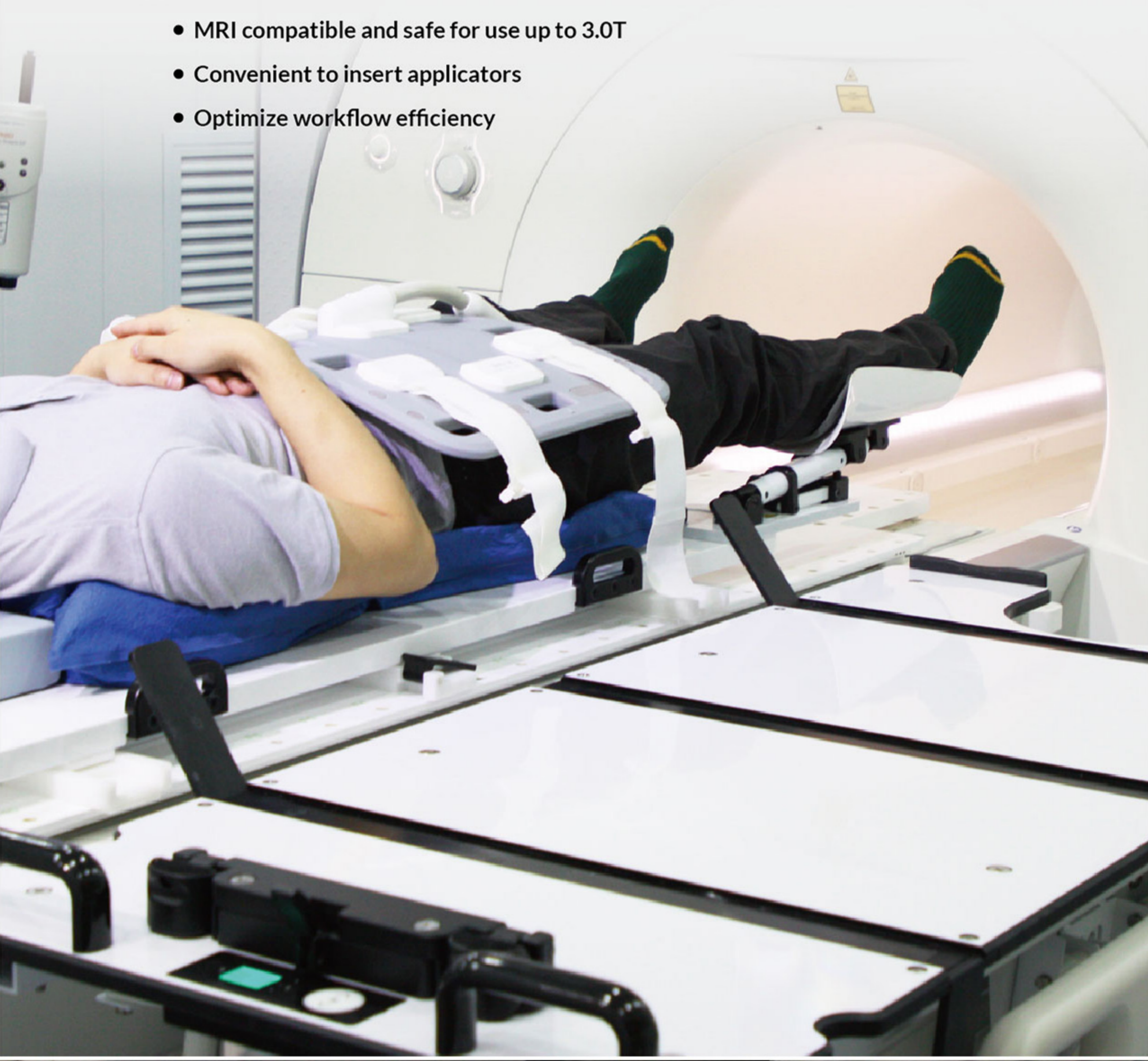
- The built-in rechargeable battery enables flexible and continuous use of the transfer system.
- High quality patient trolley makes the transfer smooth.



# MR Patient Transfer Systems

## Patient Transfer System for Brachytherapy

- MRI compatible and safe for use up to 3.0T
- Convenient to insert applicators
- Optimize workflow efficiency







# MR Patient Transfer System for Brachytherapy

## Patient Transfer System for Brachytherapy

Item No.: KT-810M

- MRI Compatible up to 3.0T
- Safe and Reliable
- Easy and Convenient
- Human-centered Design



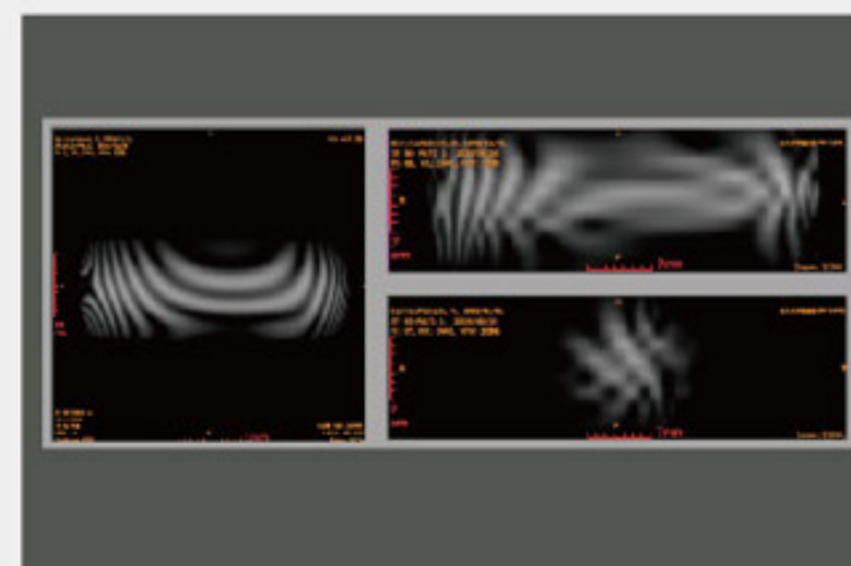
• MRI Compatible



Safe for use up to 3.0T



MR-safe Material



High Quality Imaging

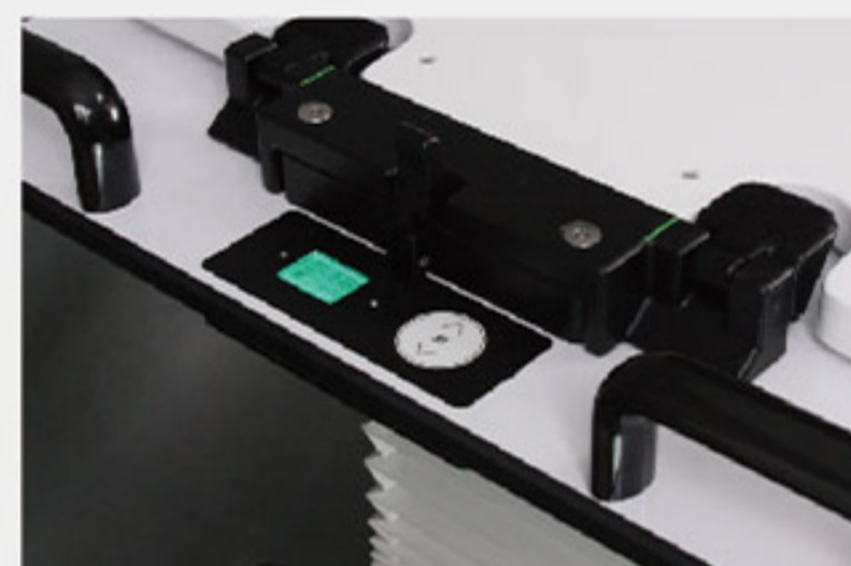
• Safe and Reliable



Smooth and stable electric lifting

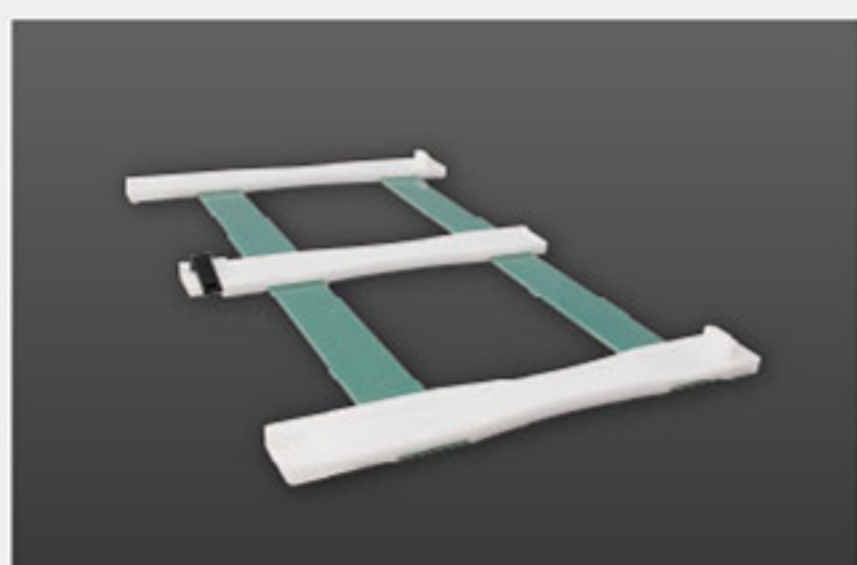


Side rails protect patient from unintentional falls

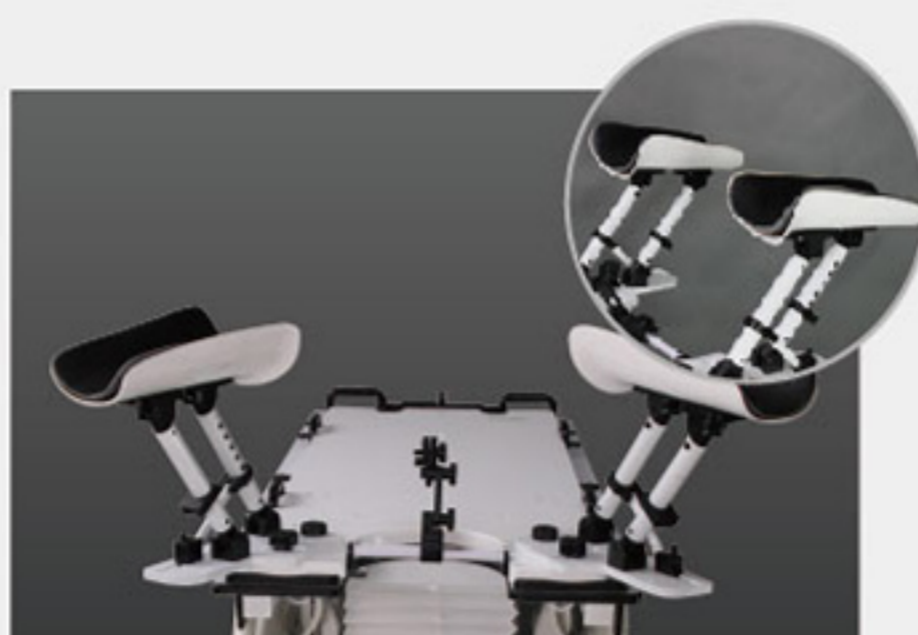


Secured on the transfer system

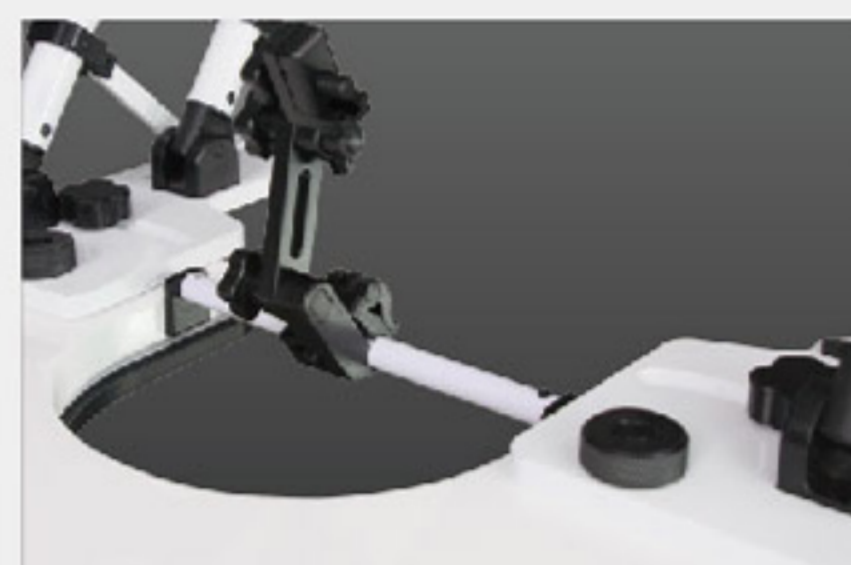
• Easy and Convenient



**Transfer Aid:**  
Easy to transfer the patient with the use of the transfer aid



Adjustable Leg Supports



Applicator Clamping Device



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