CZMEDITECH

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Changzhou Meditech Technology Co., Ltd.

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CE

2025

Changzhou Meditech Technology Co., Ltd.

PROFESSIONALITY

Focus on Neurosurgery for over 20 years, with rich experience and technical accumulation

QUALITY

With ISO13485 and CE certificate, guarantees good product quality

INNOVATION

Guided by clinical needs, continuous development and innovation

SERVICE

Fast, active and responsible pre-sale and after-sale service, worry-free in whole service life

CE

ISO
13485:2016

A CRANIAL STABILIZATION SYSTEM

It is designed for DSA, CT, MRI and Fluoroscopy,aim to meet the clinical demands on neuro, spinal and interventional therapy.

The system have a " metal-free" option, plus the synthetic Sapphire-Carbon composite skull pin, could meet the requirement in MRI room and provide a good control on minimal imaging artifact.

1 Stable, high-precision 3-point fixation of the head during surgery.

2 Torque screw make the skull pin pressure visualization.

3 Suit for both for children and adults.

4 Easy fixation and best view.

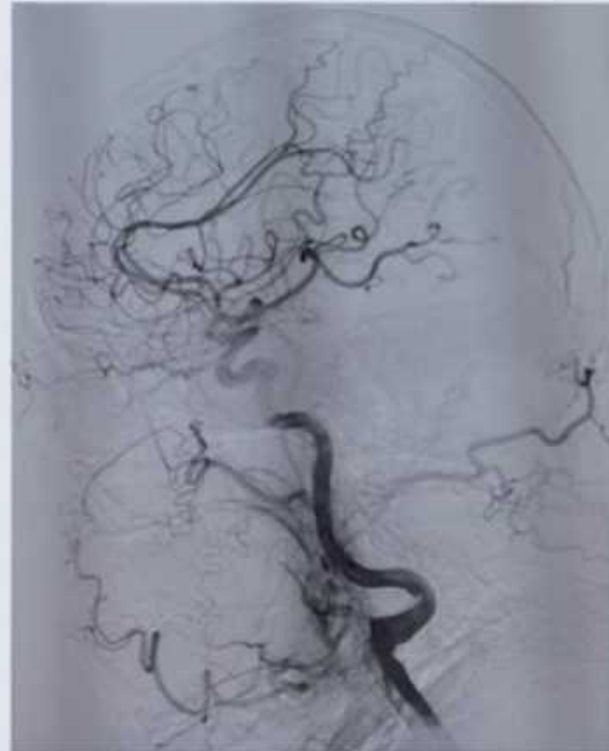**5** Fixation of patient in prone, supine, lateral

6 Could compatible with most DSA carbon table after replace with DSA table adapt base unit. Accept customization to adapt special table.

7 Horizontal bar provides a wide imaging window - full, side-to-side lateral positioning(24 inches/61cm)
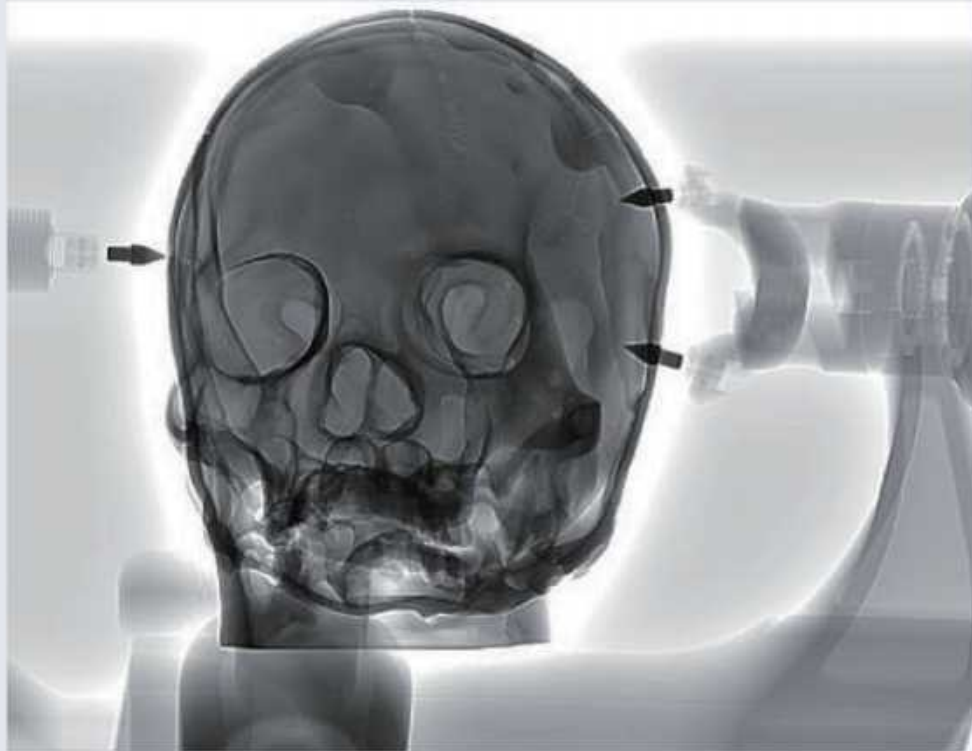
8 Unique pitching adjusting joint provide more flexibility on position setting.

Component	
Description	Code
Head Clamp	HA82016
Swivel Adaptor	HA83016
Extension Member	HA84116
Transitional Member	HA84026
Universal Base Unit	HA84106
Composite Skull Pin (Adult)	HA01016

DSA image with Radiolucent Skull Clamp in use

Skull Clamp under Fluoroscopy version

Head Clamp

Code: HA82016
- Pressure visualized.
- Easy lock dual pin holder.
- Whole material is metal free.

← 70mm-240mm →

Swivel Adaptor

Code: HA83016
- Adjustable on both horizontal and vertical planes.
- Whole material is metal free.

Transitional Member

Code: HA84026
- Length 20cm.
- Make more distance between base unit and swivel adaptor.
- Use with extension member HA84116.
- Whole material is metal free.

Extension Member

Code: HA84116
- Length 15cm.
- Used when need more length of base and more Angle adjustment range.
- Use with 20cm transitional member HA84026.
- Whole material is metal free.

Base Unit

Code: HA84106
- Universal table clamp,could match with both US&Europe model side rail.
- Adjustable on width, pitch angle.
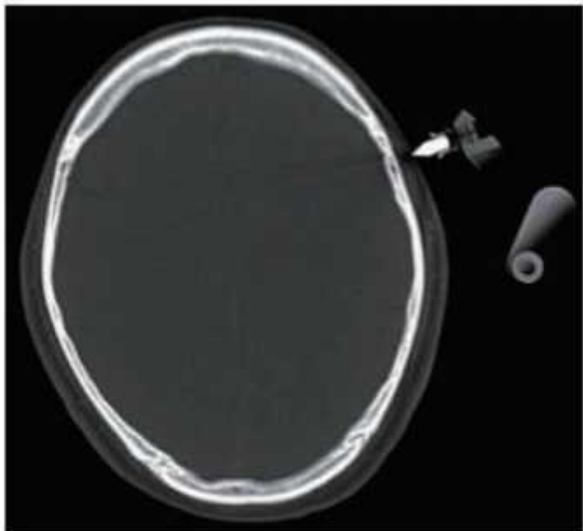- Table clamp part is aluminum and stainless steel,others metal free.

HDJ-IV A800 Cranial Stabilization System

Radiolucent Skull Pins

Code: HA01016(Adult)/HA01026(Pediatric)

• Titanium pin tip plus composite material base, good imaging performance.

Under CT version

Transitional Member

Code: HA84016

• Length 15cm.
• Used when no request on the extension distance.

Headrest & Traction

Code: HA85016(Headrest)
HA85036(Traction)

• Whole part is metal free.
• Gel pad provide good hemo-dynamic performance.

Radiolucent Headrest Traction System

HDJ-II A600 Cranial Stabilization System

All Parts are Cutting from High performance Aluminum Alloy with CNC machine, high strength, better than the casting skull clamp. Surface harden treatment, more durable, anticorrosion and less light reflection.

Torque Screw
Visual setup for the pin pressure, ensure the safety of surgery.

Quarter Lock Handle
One quarter to lock, simple and efficient operation.

Component	
Description	Code
Head Clamp	HA62011G
Swivel Adaptor	HA03011G
Base Unit	HA64011G
Gel pad Headrest	HA65011G
Adult Skull Pin	HA01013P
Child Skull Pin	HA01023P

Crocodile Teeth
Unique Crocodile Teeth design, provide firmly connect with C-clamp. Make a strong support to the accessories. It also could protect the clamp arms, extend it's service life.

HDJ-II A600 Cranial Stabilization System

Head clamp

Code: HA62011G

- Quarter lock rock arm, one quarter to lock, simple and efficient operation.
- Visual setup for the pin pressure, ensure the safety of surgery.
- Crocodile Teeth design, providing stable and firm attachment support.
- Clamping distance from 12cm to 24cm, compatible with adults and children.
- 13 cm depth, meeting the needs of most skull size.
- Compatible with DORO & Mayfield.

Swivel Adaptor

Code: HA03011G

- Horizontal adjustment range: 360 degree, Vertical adjustment range: 270 degree Stable, durable, and easy setting the position.
- Compatible with DORO & Mayfield.

Base Unit

Code: HA64011G

- Width adjustment range of 100mm-560mm, suitable for most of OT table.
- Standard size of the connect rod is φ14mm, also have 12mm, 16mm, 18mm and other options to match the OT table.
- Bearing capacity over 35kg.
- Compatible with DORO & Mayfield.

Gel Pad Headrest

Code: HA65011G

- Providing support in the prone or supine position for adults and children.
- Adjustable pad base could fit various head sizes.
- Providing good hemodynamic performance and preventing bedsore during operation.
- The pad could be soaked in warm water in advance to reducing the loss of body-temperature during long-term operation.
- Compatible with DORO & Mayfield.

HDJ-II A500 Cranial Stabilization System

Three-pin positioning design, supported by high standard processing control, small assembly clearance and stable locking, effectively provide a firm skull support.

Light-weight structure design, easy to handle and set.

Surface harden treatment, more durable, anticorrosion and less light reflection.

Head Clamp

Code: HA52011G

- Light-weight structure design.
- Quarter lock rock arm, one quarter to lock, simple and efficient operation.
- Visual setup for the pin pressure, ensure the safety of surgery.
- Clamping distance 12cm-24cm, compatible with adult and children head clamp.
- Depth 13cm, meeting the most needs of skull size.

Swivel Adaptor

Code: HA03011G

- Horizontal adjustment range: 360 degree, Vertical adjustment range: 270 degree
- Stable, durable, and easy for proper adjustment after the patient fixed on the clamp.

Base unit

Code: HA54011G

- Width adjustment range of 100mm-560mm, suitable for most of OT table.
- Standard size of the connect rod is φ14mm, also have 12mm, 16mm, 18mm and other options to match the OT table.
- Bearing capacity over 35kg, without shaking.

Silica Headrest

Code: HA55011G

- Providing support in the prone or supine position for adults and children.
- Adjustable pad base could fit various head sizes.

Component						
Description	Head Clamp	Swivel Adaptor	Base Unit	Silica Headrest	Adult Skull Pin	Child Skull Pin
Code	HA52011G	HA03011G	HA54011G	HA55011G	HA01013P	HA01023P

CRANIAL STABILIZATION SYSTEM ACCESSORIES

Noninvasive Skull Clamp

- Gel pad and skull clamp could be switched quickly
- Middle gel pad could be adjusted up and down
- Easy set up and use
- Normally use for 0~2 years newborn patients or patients whose skull could't bear the pressure of skull pins

Code: HA72011G

Gel Pad Headresting with traction

- Support supine and prone positions in Neuro, ENT and eye surgery
- The distance between two pads could be adjusted, both fine for adults and children
- Gel pad could effectively prevent bedsore caused by prolonged surgery
- Traction arm provides better view for surgery

Code: HA65021G

Ball Socket Adaptor

- Horizontal adjustment range: 360°
  Vertical adjustment range: 90°
- Compatible with Doro & Mayfield

Code: HA03021G

Navigation Adaptor

Code: HR07021G

Adult skull pin

Code: HA01013P

Pediatric skull pin

Code: HA01023P

Sterilizing Container

Produced by high polymer material, with silica pad, could protect the pins well

Code: HA01800P

CRANIAL STABILIZATION SYSTEM ACCESSORIES

Cross Bar

- Apply to sitting positipon
- Adapt to most operating tables

Code: HA07031G

Table Adaptor

- Adapt to most operating tables
- Support lateral position

Code: HA07013P

Anatomy skull clamp

- Could be placed on the desktop
- Quick-lock base
- With ball socket adaptor, easy set and use

Code: A903

Teflon® Coating Skull Clamp

- Autoclavable
- With US DuPont Teflon® coating
- Antisticking and easy-cleaning
- Other tech info same with A600 skull clamp

Code: A602

HALO Ring HR83011G

Support Bar HR82013Y

C Clamp for HALO HR81013Y

HALO Leyla retractor
250mm HR04253Y

BRAIN RETRACTOR SYSTEM

B

Half-Ring

Main feature:

- The HALO ring could be adjusted at any angle, as well as folding in half. Maximizing the view and provide the hand support during surgery.
- Quick rail design, the retractor could be firmly docking on it at any position.
- Light weight design, easy handle and set up, high performance aluminum alloy guaranty both the strength and durability.
- C clamp could be firmly connected with A600 skull clamp, also adapt to the other brand skull clamps.

Component						
Description	HALO Ring	Support Bar	C Clamp for HALO	HALO Leyla retractor	HALO Brain Blade	HALO Pattie Tray	Universal Key
Code	HR83011G	HR82013Y	HR81013Y	HR04253Y	A complete set	HR07013Y	HR00013Y

HDR-I R700 BRAIN RETRACTOR SYSTEM (J-ARM)

Product Feature :

- Two J-arms could be fixed on the skull clamp and adjusted at suitable height & angle.
- Quick rail design, the retractor could be firmly locking on it at any position, could provide the hand support during surgery.
- Light weight design, easy handle and set up, high performance aluminum alloy guaranty both the strength and durability.

HALO Brain Blade
HR05013Y: 152*6mm
HR05023Y: 152*10mm
HR05033Y: 152*16mm
HR05043Y: 152*19mm
HR05053Y: 152*25mm

C Clamp for J-Arm
HR71013Y

J-Arm
HR73011G

Component				
Description	C Clamp for J-Arm	J-Arm	HALO Leyla retractor	HALO Brain Blade	HALO Pattie Tray
Code	HR71013Y	HR73011G	HR04253Y	A complete set	HR07013Y

HDR-I R300 BRAIN RETRACTOR SYSTEM

FIXATION MOUNT

- Fixed on the side rail of OT-table, the ball socket table adaptor could adjust at any angle, easy set and quick mounting leyla retractor.

Code: R300

Ball Socket Adaptor
360°Adjustment
HR31013Y

Support Rod(straight)
340mm
HR32013Y

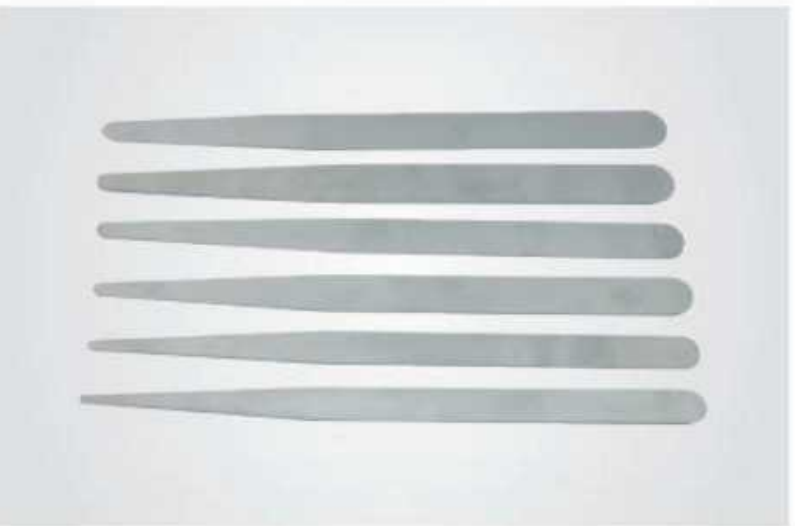### Support Rod(angled)
420mm
HR32023Y

Leyla adaptor
HR33013Y

Leyla Retractor
Quick Lock
HR90103Y: 350mm
HR90203Y: 400mm
HR90303Y: 450mm

Brain Blade
HN40123Y: 200*12mm
HN40143Y: 200*14mm
HN40163Y: 200*16mm
HN40183Y: 200*18mm
HN40203Y: 200*20mm

Component					
Description	Ball Socket Adaptor	Support Rod (straight)	Support Rod (angled)	Retractor arm connector	Leyla Retractor	Brain Blade
Code	HR31013Y	HR32013Y	HR32023Y	HR33013Y	HR90103Y	HN40123Y

HDR-I R400 BRAIN RETRACTOR SYSTEM

Martin's Arm Retractor

- Unique locking structure provides excellent load-bearing performance, without loosen at max 5KG load.
- Multifunctional purpose, could be used as instrument holder, retractor holder, endoscopes holder and brain retractor frame. Could meet the various demands in OT room safety and quickly.

Code: R400

Table Adaptor

50mm
HR41013Y

Support rod

400mm(H)*120mm
HR42013Y

Universal Arm

Vertical adjustment range: 360°
HR43013Y

Instrument Holder:

Instrument Holder

Material: Stainless steel
Clamping range: 6-10mm
Suitable for retractor and instrument
HR44013Y

Endoscope Holder (Side)

Material: Aluminum alloy
Range: 10-25mm
Suitable for endoscope, working channels and instruments
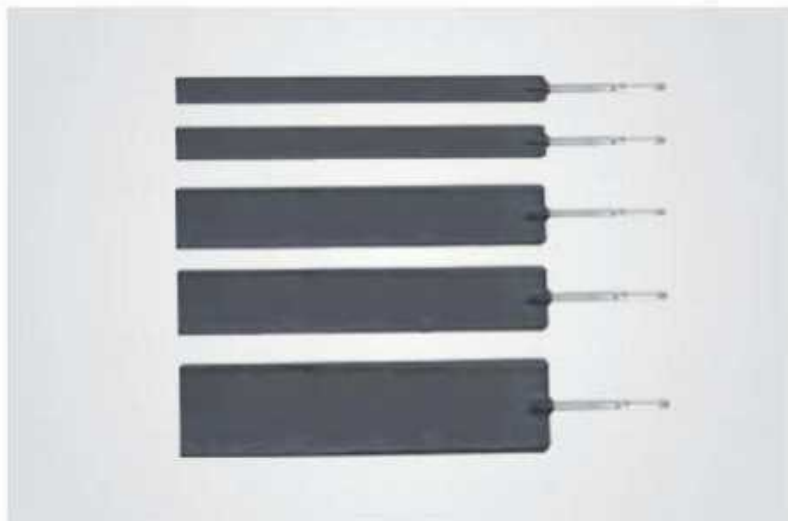HR44023Y

Endoscope Holder (Front)

Material: Aluminum alloy + Polymer material
Range: 3-22mm
Suitable for endoscope & instruments
HR44033Y

Standard Component			
Description	Table Adaptor	Support rod	Universal Arm	Instrument Holder
Code	HR41013Y	HR42013Y	HR43013Y	HR44013Y

BRAIN RETRACTOR SYSTEM ACCESSORIES

HALO Brain Blade - Coated

HR05013D:152*6mm
HR05023D:152*10mm
HR05033D:152*16mm
HR05043D:152*19mm
HR05053D:152*25mm

Micro Brain Blade

HR06013Y:114*2mm
HR06023Y:114*4mm
HR06033Y:140*2mm
HR06043Y:140*4mm
HR06053Y:165*2mm
HR06063Y:165*4mm

HALO Pattie tray

HR07013Y

Brain Blade - Coated

HN40123D:200*12mm
HN40143D:200*14mm
HN40163D:200*16mm
HN40183D:200*18mm
HN40203D:200*20mm

Skull Adaptor

HR90033Y
Clamp on skull to adapt Leyla arm.

Standard Adaptor

Fix on skull clamp to fix Leyla arm.Compatible with any skull clamp. Compatible with other brands of Leyla retractor such as Aesculap.
HR90013Y

C-clamp for Leyla Retractor

HR90033Y

HALO Leyla retractor

HR04253Y:250mm
HR04303Y:300mm
HR04353Y:350mm

Universal Key

HR00013Y