

RESTORING
THE RHYTHM OF **SPINE**



Abacus Meditech Pvt. Ltd.

Mars VERTEBRAL BODY REPLACEMENT SYSTEM

Plot No.363 to 366



Plot No : 363 to 366, RJD Park, Ichhapore, Chorasi, Surat - 394510, Gujarat.
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Vertebral Body Replacement

- Perfect bridging of spinal defect
- Universal application as different implants diameter and length
- Single or paired implantation is possible
- Secure support and firm anchoring in the bone by large contact area with spike
- Implant can be filled and additionally applied outside with bone graft to enhance the fusion mass
- Easy placement of implant by continuous distraction



Implant Selection

Expandable Cage Diameter

Φ 12mm
Φ 14mm
Φ 16mm
Φ 18mm

Length

12 - 16 mm, 16 - 24 mm,
24 - 40 mm, 40 - 70 mm

Mesh Cage Diameter

Φ 10mm
Φ 12mm
Φ 14mm
Φ 16mm
Φ 18mm

15 - 100 mm

JUPITER

PLIF TLIF
CAGE SYSTEM



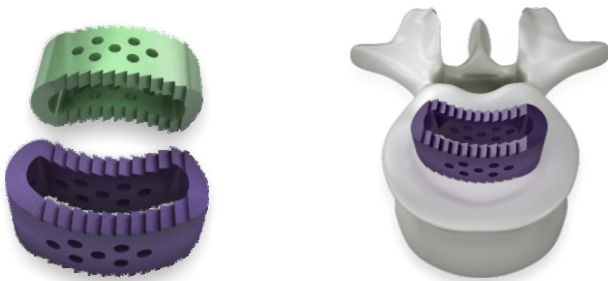
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TLIF Cage

- TLIF cage is available in 4° Lordosis angle
- Unilateral transforaminal approach to minimize dural exposure
- Minimal implant width and tapered tip to facilitate the insertion through a small opening
- Serrated spike- Higher stability in the low back
- Anatomic biconvex shape to conform to the anterior vertebral body

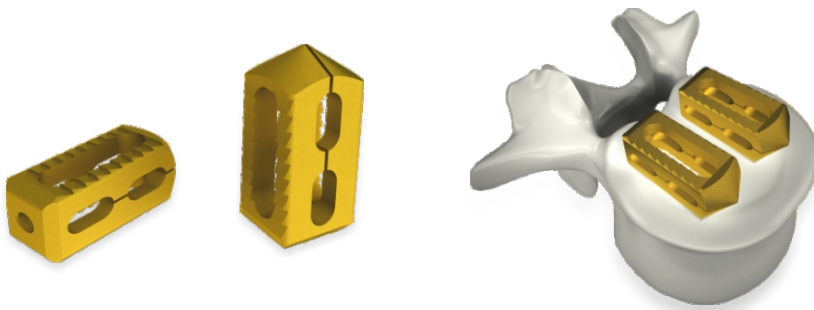


Height (mm)

7, 8, 9, 10, 11, 12, 13

PLIF Cage

- Bulleted & Notch anterior profile facilitates cage insertion into the intervertebral space
- Retaining teeth profile prevent implants migration
- Open design allows optimum graft surface to improve bone fusion



Lordosis Angle

Length (mm)

Height (mm)

0°, 4°, 8°

22, 25

8, 9, 10, 11, 12, 13

Neptune

ANTERIOR
CERVICAL PLATE



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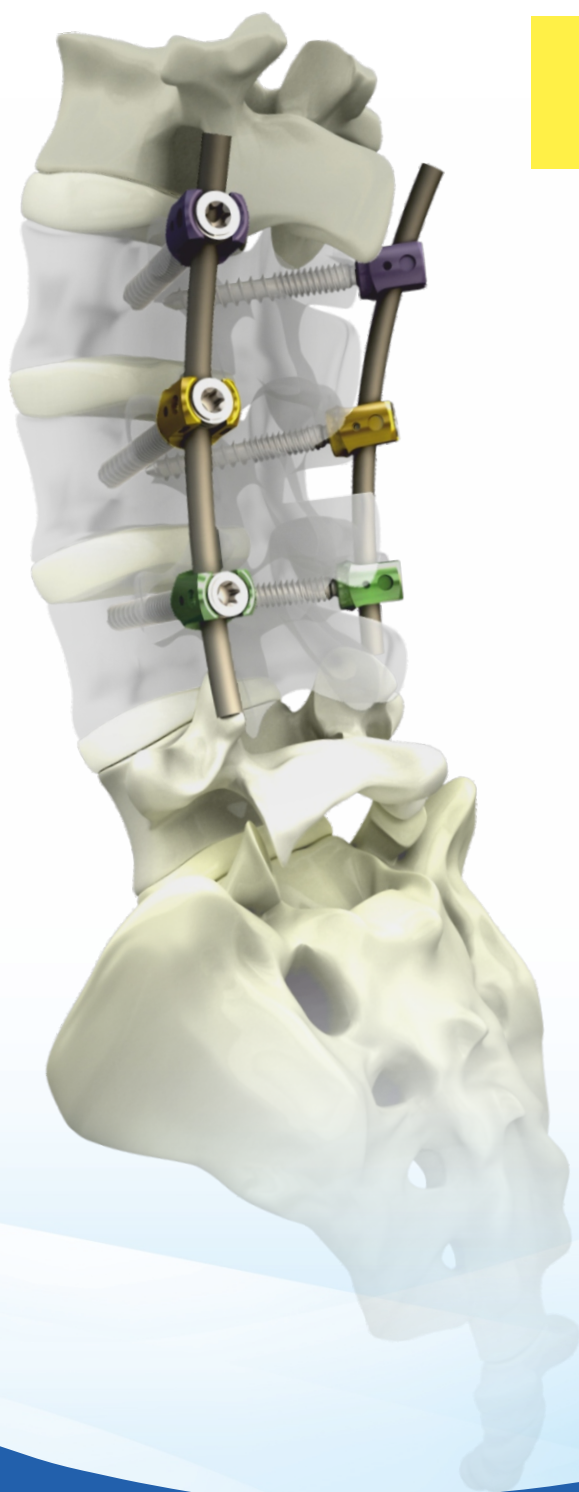
Anterior Cervical Plate

- Anterior cervical plate system is design for a simple to use, low profile plate, which maintains the existing standards of strength for anterior cervical fixation
- Variable Angle Screw placement allows screw angulations
- Integrated Locking Mechanism
- Different plate sizes enable interbody stabilization of one, two or more cervical spine segments
- Minimal Instrumentation: Ergonomically design instruments for simplified implantation
- Self Tapping & Drilling bone screw eliminate the need of preliminary tapping



Implant Selection

Cervical Plate	20 to 70 mm (In step of 2.5 mm)	
Bone Screw	Φ 3.5 X 13mm	Φ 4.0 X 13mm
	Φ 3.5 X 15mm	Φ 4.0 X 15mm
	Φ 3.5 X 17mm	Φ 4.0 X 17mm
	Φ 3.5 X 19mm	Φ 4.0 X 19mm



Osteo-Fix[®] SPINAL SYSTEM



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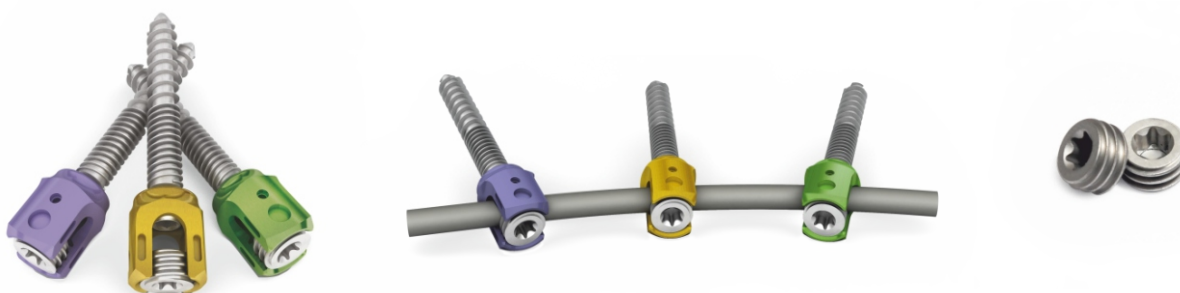
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Osteo-fix

Osteo-Fix™ Spinal Posterior Fixation System is a multiple component device, which allows the surgeon to build an implant system to fit the patient's anatomical and physiological requirements.

- Low profile better visualization of anatomy and eliminate soft tissue irritation.
- Outstanding screw thread design.
- Combination of Cancellous & Cortical threads increase the pull out strength, bone purchase.
- Tapered self cutting tip – Simple and fast injection.
- Set screw thread design avoid screw head expansion and reduce cross threading.
- Easier use instruments simplify and optimize the procedures of surgery.



Implant Selection

Fixed Angle Screw

Φ 4.5mm X 25mm - 45mm
 Φ 5.5mm X 30mm - 50mm
 Φ 6.5mm X 30mm - 50mm

Multi Axial Screw

Φ 4.5mm X 25mm - 45mm
 Φ 5.5mm X 30mm - 50mm
 Φ 6.5mm X 30mm - 50mm
 Φ 7.2mm X 35mm - 50mm

Reduction Multi Axial Screw

Φ 5.5mm X 35mm - 50mm
 Φ 6.5mm X 35mm - 50mm

Cross link Bridge Plate

30 - 35mm, 35 - 40mm, 40 - 50mm

Lateral Connector for Iliac Screw

20mm, 25mm, 30mm, 35mm

Domino Connector In line Connector, Rod to Rod Clamp, Parallel Connector

20mm, 25mm

Connecting Rod

Φ5.5 X 50 – 350mm

RHEA

POSTERIOR
CERVICOTHORACIC
FIXATION SYSTEM



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Posterior Cervico-thoracic

The Rhea Cervico-Thoracic Fixation System is designed for posterior surgical approaches, offering a comprehensive array of implants and instrumentation to meet surgeon needs.

- Top-loading polyaxial screws with friction heads enable quick and simple construct assembly
- Self-tapping flute centers screw for easy insertion
- Low profile screw head
- Two diameters with cancellous profile
- 3.5 mm and 4.0 mm cancellous screws, 3.5 mm Pre-cut rods eliminate the need to cut rods in the operating room

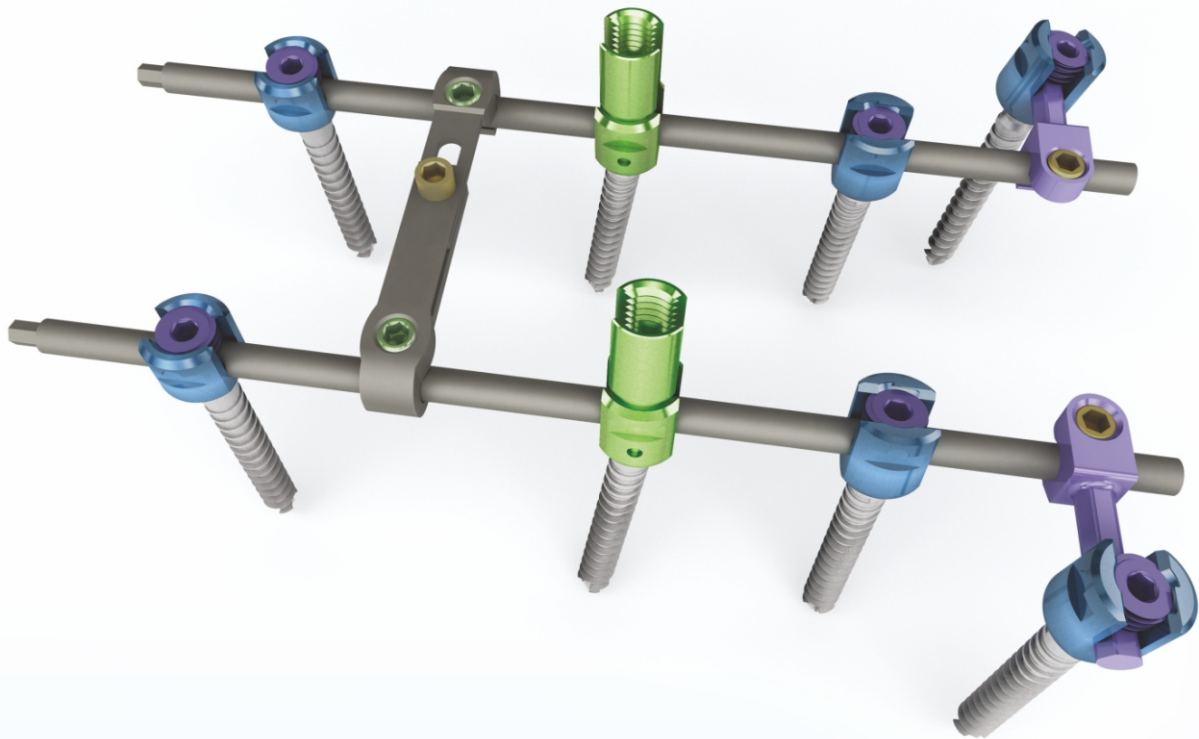


Occipital Plate

- Low-Profile Occipital Plates are available in Six sizes to accommodate patient anatomy, include a strap option for additional fixation, have lower rod connection to minimize soft tissue irritation, and have rotational and translational adjustability
- Multiple locking option
- Occipital Screws are available in $\varnothing 3.5$ mm and $\varnothing 4.0$ mm with 10 - 12 mm lengths



SATURN SPINAL SYSTEM



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Spinal System

The Saturn Pedicle Screw System is a comprehensive state-of-the-art system developed for strength and versatility.

- Top-loading low-profile screw head is designed to better accommodate patient's anatomy
- Self Locking Dovetail thread set screw helps reduce cross threading and head splay
- Cylindrical major with Conical minor diameter of screw provides increased purchase at distal end for easy insertion and high pullout strength



Implant Selection

Fixed Angle Screw

Φ 4.5mm X 25mm - 45mm
Φ 5.5mm X 30mm - 50mm
Φ 6.5mm X 30mm - 50mm

Multi Axial Screw

Φ 4.5mm X 25mm - 45mm
Φ 5.5mm X 30mm - 50mm
Φ 6.5mm X 30mm - 50mm
Φ 7.2mm X 35mm - 50mm

Iliac Screw

Φ 6.5mm X 55mm - 100mm

Reduction Multi Axial Screw

Φ 5.5mm X 35mm - 50mm
Φ 6.5mm X 35mm - 50mm

Cross link Bridge Plate

30 - 35mm, 35 - 40mm, 40 - 50mm

Lateral Connector for Iliac Screw

20mm, 25mm, 30mm, 35mm

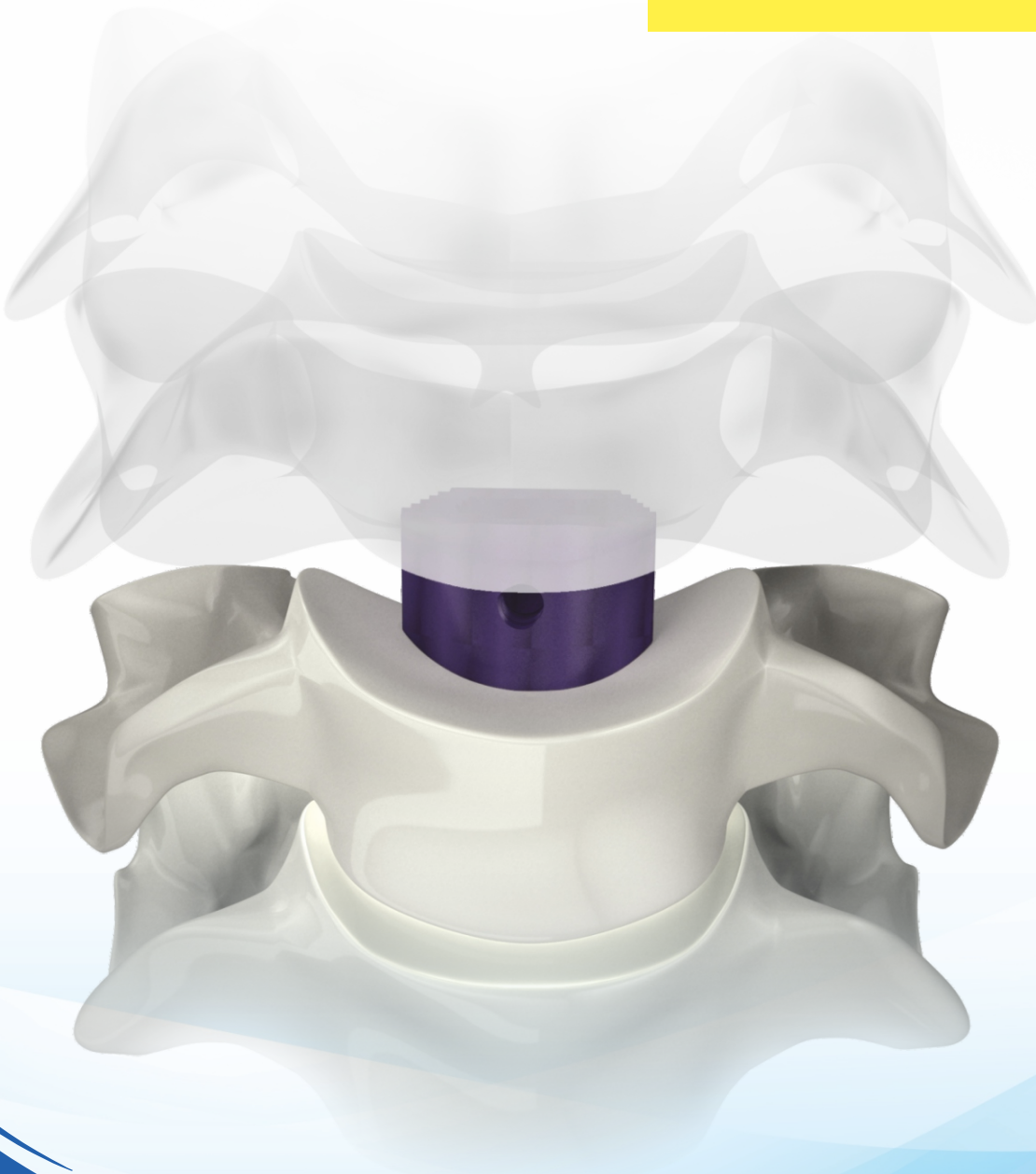
Domino Connector In line Connector, Rod to Rod Clamp, Parallel Connector

20mm, 25mm

Connecting Rod

Φ5.5 X 50 – 350mm

VENUS ANTERIOR CERVICAL DISC SPACER SYSTEM



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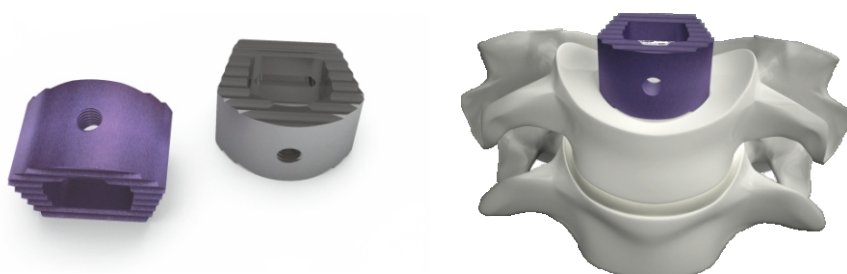
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Anterior Cervical Interbody Disc Spacer

The Cervical Interbody System is designed to optimize end plate contact as well as receive a maximum amount of grafting material.

- Trapezoidal shape & Lordotic angle of 7° for a precise fit in the cervical region
- Multiple footprint options accommodate varying patient anatomy
- Large contact area is designed to minimize the risk of subsidence
- Restores disc height as well as cervical lordosis
- Available Height : 5 to 12 mm



Zero Profile Anterior Cervical Stand Alone Cage

Anterior Cervical Discectomy and Fusion System (ACDF) is a zero profile, modular system featuring a Locking screw, and a spacer. The system is designed to restore sagittal profile while providing anterior column support to enhance the fusion process. A maximum screw trajectory of 40° allows for greater bone purchase and stability, and the system has both self-drilling and blunt-tip self-tapping screws. The System offers a larger graft window with two lordotic options to easily accommodate varying anatomies. Custom ergonomic instrumentation complements implants for greater surgeon comfort and ease of use.

- Larger Graft Capacity with the modular plate design
- Maximum 40° Screw Trajectory with a nominal angle of 35° cephalad / caudal and 7° medial for optimal bone purchase and stability
- One Step Integrated Locking Screw provides easy, secure interlock

Implant Selection

Spacer

Lordotic Angle	Height (mm)
0°, 7°	6, 7, 8, 9, 10

Locking Screw

Dia	Length (mm)
Φ 3.5	12, 14, 16, 18, 20

