



Designed for Thoracolumbar Challenge
with Accuracy and Control

AEONEX

Effortless Surgical Control



MEDART TECHNOLOGY PVT. LTD.

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Aeonex System Overview

- Aeonex is a comprehensive thoracolumbar stabilization system providing surgeons with a full range of multi axial and mono axial screws, rods and connectors. The system includes refined instrumentation and multiple reduction choices, as well as a variety of implant options meet the challenges of the complete range of posterior thoracolumbar procedures.
- Aeonex provides convenience and ease of use in surgery to treat a variety of posterior lumbar conditions with versatility and simplicity.

Locking Nut

- Box thread design to with stand to high force Reduced cross threading

Screw Thread

- Self-tapping design
- Blunt tip for bicortical purchase
- Increase FOA for better fixations and Pull out strength
- Double lead thread for rapid insertion



Specifications

- Multi Axial Screw : $\pm 30^\circ$ angulation (60° total) provides intraoperative flexibility.

Mono Axial Screws							
Dia.	Length						
4.5	25	30	35	40	45	-	-
5.5	30	35	40	45	50	-	-
6.5	30	35	40	45	50	-	-

Multi Axial Screws							
Dia.	Length						
4.5	25	30	35	40	45	-	-
5.5	30	35	40	45	50	-	-
6.5	30	35	40	45	50	55	60
7.2	-	35	40	45	50	55	60

Reduction Multi Axial Screws							
Dia.	Length						
4.5	25	30	35	40	45	-	-
5.5	30	35	40	45	50	-	-
6.5	30	35	40	45	50	55	-
7.2	-	35	40	45	50	55	-

Illiace Multi Axial Screws							
Dia.	Length						
7.2	65	70	75	80	90	100	105 110



Maximum Spinal Stability is
Assured with Versatile Fixation.

ZENEX
Pedicle Screw

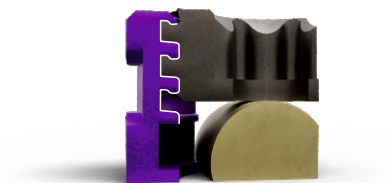


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Zenex System

The Zenex System is designed for use in the thoracic and lumbar spine, as well as for iliosacral fixation procedures (T1–S2 / ilium). It is intended to address a wide range of thoracic and lumbar instabilities that demand comprehensive posterior pedicle screw fixation. With its advanced design and versatility, the system provides surgeons with a reliable solution for stabilizing complex spinal conditions.



Locking Nut

- Helical Flange Technology



Screw Options

- Multi axial – provides intra-operative flexibility, double lead thread for rapid insertion and available in titanium alloy.
- Low Profile Tulip with grooved on Shaft head to increase the rigidity of construct.
- Also available – Monoaxial, Reduction, Uniplanar and Uniplanar Reduction.



Screw Features

- Minimizes toggle during insertion
- Conical Tips to Accurate placement and screw trajectory
- Immediate bone Engagement
- Self-tapping design
- Blunt tip for bicortical purchase

Thread Profile

- Maximizes the screw interaction in various bone densities
- Tactile insertion
- Thread form maximizes bone purchase

Specifications

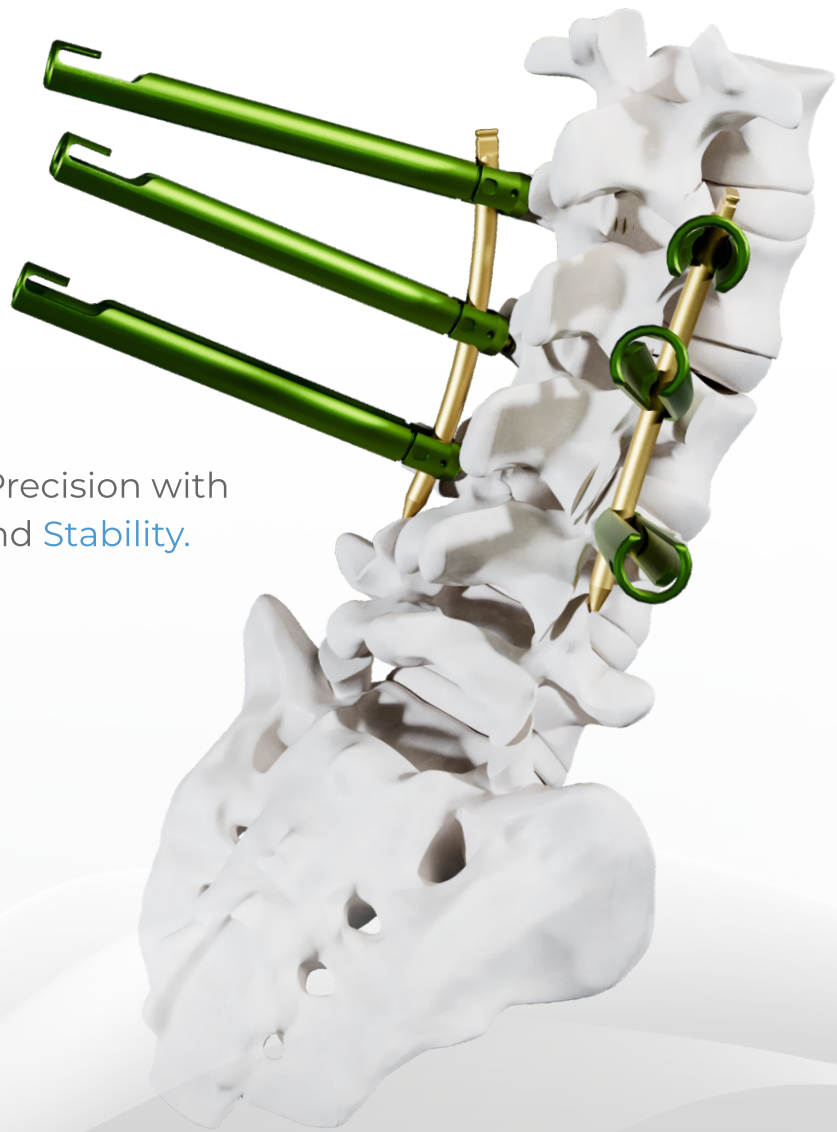
Multi Axial Screw : ±30° angulation (60° total) provides intraoperative flexibility

Mono Axial Screws							
Dia.	Length						
4.5	25	30	35	40	45	-	-
5.5	30	35	40	45	50	-	-
6.5	30	35	40	45	50	-	-

Multi Axial Screws							
Dia.	Length						
4.5	25	30	35	40	45	-	-
5.5	30	35	40	45	50	-	-
6.5	30	35	40	45	50	55	60
7.5	-	35	40	45	50	55	60
8.5	-	-	40	45	50	55	60

Reduction Multi Axial Screws							
Dia.	Length						
4.5	25	30	35	40	45	-	-
5.5	30	35	40	45	50	-	-
6.5	30	35	40	45	50	55	-
7.5	-	35	40	45	50	55	-

Illiic Multi Axial Screws								
Dia.	Length							
7.5	65	70	75	80	90	100	105	110
8.5	64	70	75	80	90	100	105	110



Ultra-Slim Percutaneous Precision with
Controlled Reduction and Stability.

ASCENDA

MIS Multi Axial Screw



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Ascenda System

- Ascenda MIS System is a percutaneous solution designed to minimize operative steps, reduce patient exposure, and provide a wide variety of instrumentation options that allow surgeons to individualize each procedure.
- Fully machined Extended tab sleeve provides a slim profile, stability and control during compression and distraction
- Ultra slim 120 mm long tab provide 30 mm of integrated reduction
- The Ultra slim profile technology of the screw allows for a small implant design of 12.6 mm diameter and therefore for MIS skin incisions and instruments manipulation in tight anatomical spaces. Furthermore good cosmetic results can be achieve
- Multi level capabilities for trauma , tumor and deformity application
- Simultaneous controlled compression/distraction and 40mm reduction of the vertebral body



Multi Axial Screw

- $\pm 30^\circ$ angulation (60° total) provides intraoperative flexibility Self-cutting flute for easy insertion
- Conical Tips to Accurate placement and screw trajectory
- Immediate bone Engagement



Rod Options

- Distal end bullet-nosed to aid insertion
- Proximal end featured allows for manipulation
- 5.5mm diameter
- Straight and pre-lordosed rods

Rod Lengths

- 30–100 mm, in 5mm increments
- 110–150mm, in 10mm increments
- 200 mm

Multi Axial Screws								
Dia.	Length							
4.5	25	30	35	40	45	-	-	
5.5	30	35	40	45	50	-	-	
6.5	30	35	40	45	50	55	-	
7.2	-	35	40	45	50	55	-	

Uni planner Screws								
Dia.	Length							
4.5	25	30	35	40	45	-	-	
5.5	30	35	40	45	50	-	-	
6.5	30	35	40	45	50	55	-	
7.2	-	35	40	45	50	55	-	



OLLIF

Innovative Design for Accurate,
Tissue-Friendly Fusion

MICURA

MIS Trans - Kambin Fusion Cage



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Micura System

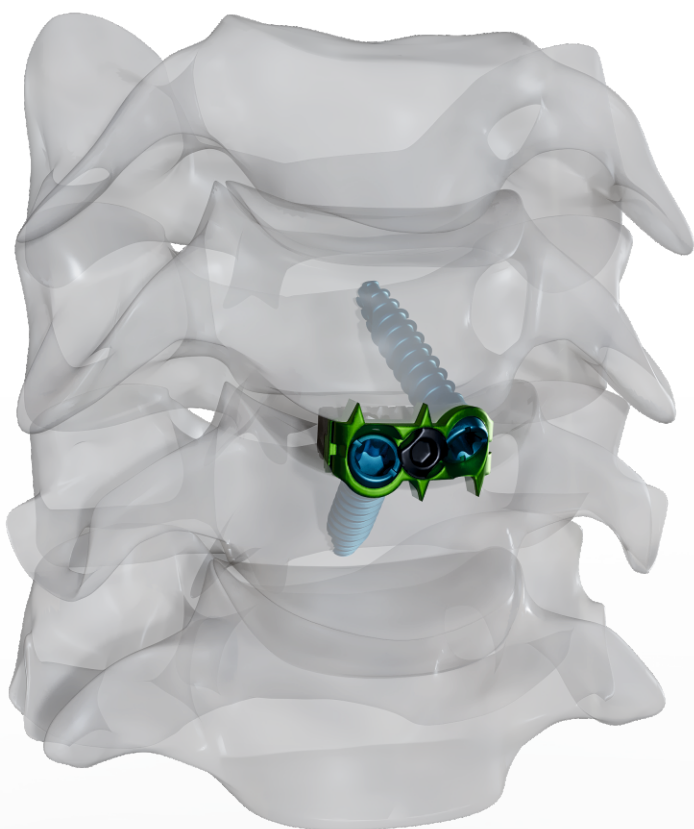
Micura Interbody fusion design for the minimally invasive surgical technique used for lumbar interbody fusion. Its involves inserting an interbody cage into the lumbar disc space through a Trans-Kambin Triangle approach, which is a space behind the psoas major muscle. This approach preserves the facet joint and allow for a major oblique trajectory to insert the cage, potentially reducing the need for extensive dissection and soft tissue disruption.



Feature

- Implants available in dimensions that are equal to the anatomy
- Rounded edges to reduce resistance and damage to tissue, and smoothed teeth to reduce tissue disruption
- Convex surface to match endplate geometry
- Concave conical tip for distraction and entering into smaller disc height
- Cannulated interbody and inserter work together to follow the pathway defined by the guide wire
- Intimate and robust connection with inserter to function as a single dilator with the ability to rotate the implant and make corrections to the trajectory
- Leading edge to dilate through tissue and enter collapsed disc spaces
- Specially processed surface texture to stimulate bone growth
- Ergonomics and robust instruments design to perform MIS procedure

Length	Height							
27	09	10	11	12	13	14	15	
30	09	10	11	12	13	14	15	
33	09	10	11	12	13	14	15	



Smart Interbody Implant
Delivering Strength and Stability

NEOCERVIX
Cervical Spacer



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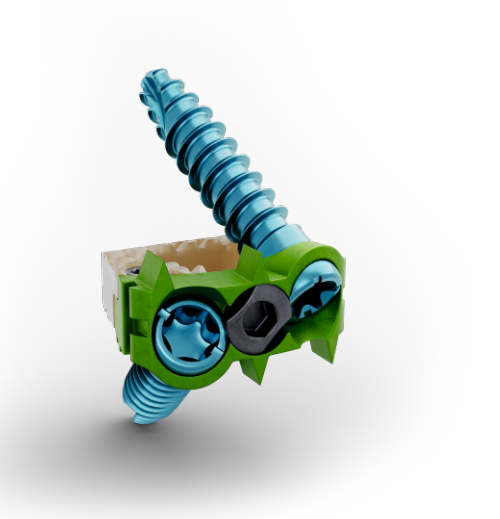
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NeoCervix System

NeoCervix is a stand alone implants anterior cervical discectomy and fusion procedures which combines the functionality of a cervical spacer and the benefits of an anterior cervical plate.

NeoCervix provides Multiple points of fixation; two lag screws that compressively load the graft area and four point of rotational stabilizers that enhance rotational stability.

Specifications

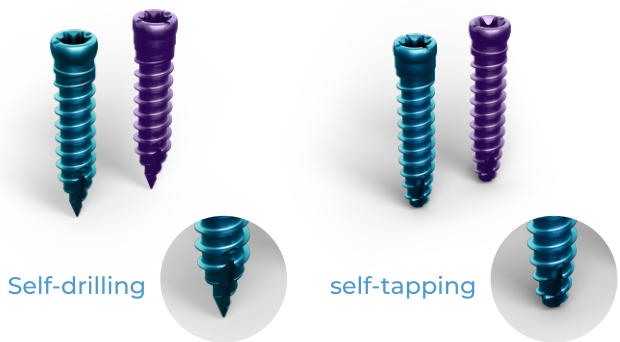


NeoCervix Cage

- Two Axial Footprints (12 X 14 mm, 14 X 16 mm)
- Two lordosis options (0° and 7°)
- Eight heights (5–12mm)
- Four rotational stabilizers
- Assembled in PEEK and Titanium
- A tantalum marker to help visually confirmation
- Pre- Assemble Screw Locking Mechanism

Screw Options

- 3.5 mm or 4.0 mm diameter
- Self-drilling and self-tapping
- Lengths from 12–20mm
- Variable and fixed angle screws
- Design to resist graft expulsion



Variable Angle Screw



Fixed Angle Screw



Screw Angulation

- Cephalad/caudal angulation of 35°
- Medial/lateral convergence of 12°

Foot print	Lordotic Angle	Height							
12 X 14	0°	05	06	07	08	09	10	11	12
14 X 16	7°	05	06	07	08	09	10	11	12



Self-Cutting Performance for
Secure Odontoid Stabilization

MEDAXS
Cannulated Odontoid Screw



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MedAxis System

MedAxis Odontoid screw design self cutting cannulated for low torque insertion



Bone Screws

- 4.0mm diameters
- Lengths from 26mm-50mm, in 2 mm increments
- Partially threaded screw or fully threaded screw available in cannulated

Partial Threaded Screws							
Dia.	Length						
4.0	26	28	30	32	34	36	38
	40	42	44	46	48	50	-

Full Threaded Screws							
Dia.	Length						
4.0	26	28	30	32	34	36	38
	40	42	44	46	48	50	-



Smart neuromonitoring system



IONM

Smart neuromonitoring system

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Lumbar Spine

- Monitoring the integrity of nerve roots motor
- Selective dorsal rhizotomy, spinal cord decompression surgery, etc
- Assisted monitoring of motor nerve roots and spinal motor conduction tracts

Product features

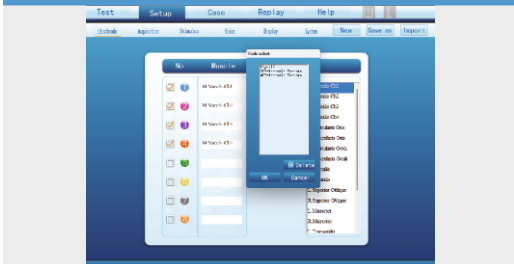
Professional intraoperative neuromonitoring



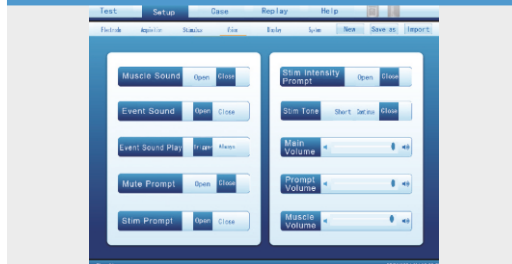
Portable design, multiple channels for free selection



Template design for instant use, with user-friendly operation



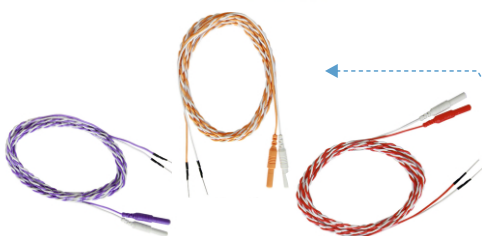
Furnished with various alert tones providing instantaneous feedback



Reusable Monopolar stimulation probe



Disposable kit monopolar stimulation probe.



Sub Dermal Needle Electrode.