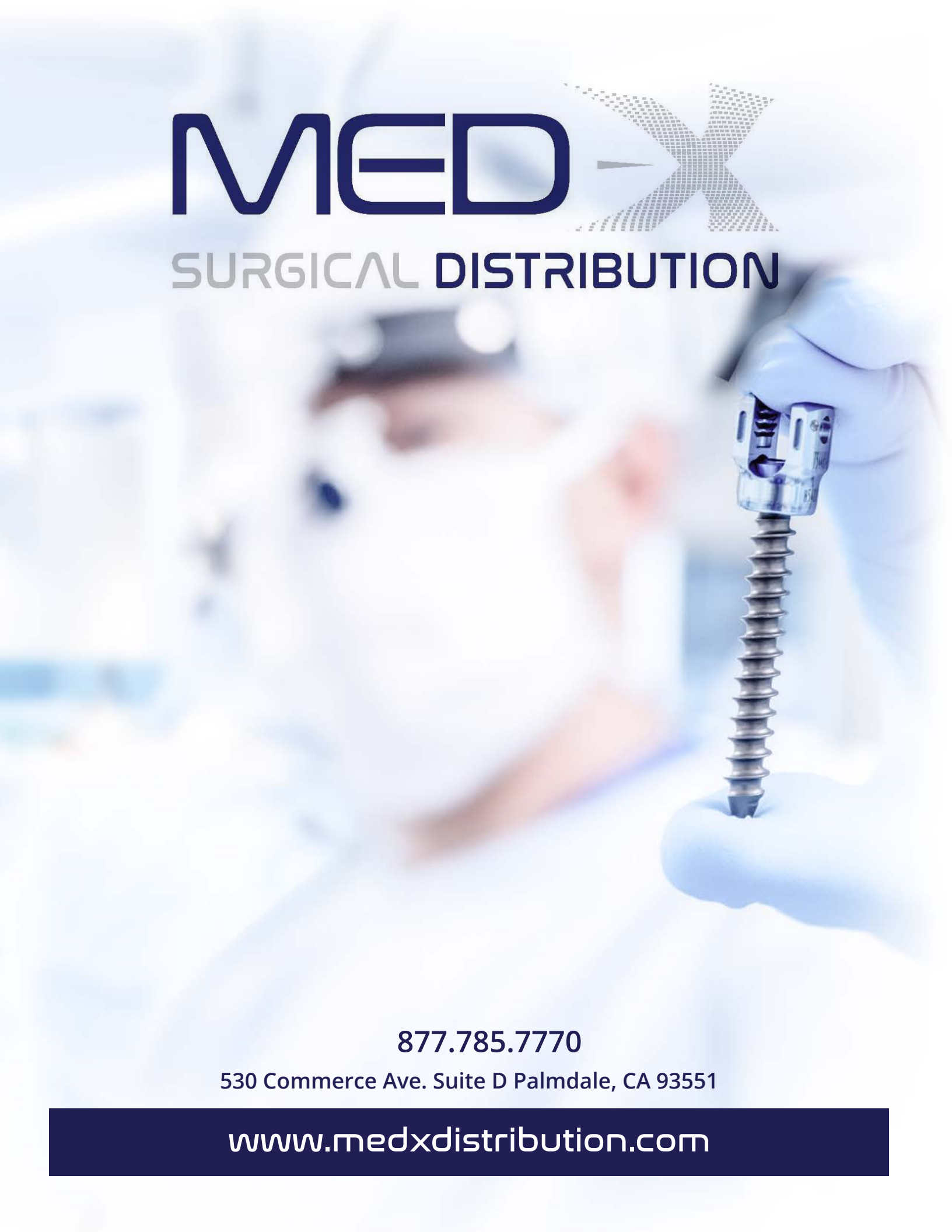
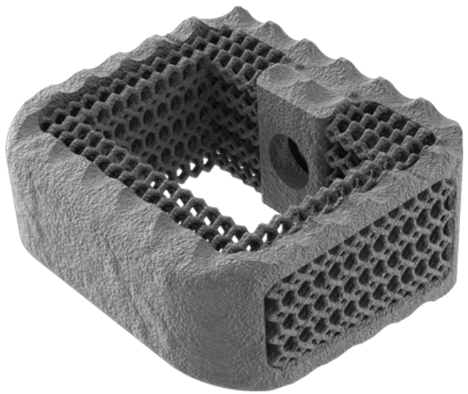


877.785.7770

530 Commerce Ave. Suite D Palmdale, CA 93551

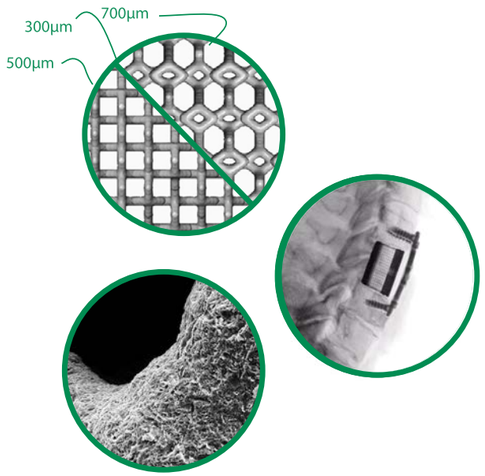
www.medxdistribution.com

Nexxt™ Matrixx Technology



The NEXXT MATRIXX™ porous titanium material exhibits a varied 300 500 and 700 µm pore architecture engineered to encourage integration Pores greater than 300 µm in size have been shown to advance and support vascularization, leading to direct osteogenesis.

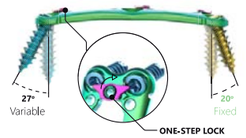
A fully interconnected 75 porous open titanium architecture, results in up to 2 X more open volume available for potential boney incorporation.



Nexxt Spine has developed a proprietary residue free, micro roughening process creating a highly cohesive 7 µm roughened topography Due to the roughened porous structure of the NEXXT MATRIXX TM material, NEXXT MATRIXX TM implants exhibit up to 4 X more surface area for bone apposition than conventional spinal implants

Large 700 µm lateral pores within the 75 open porous architecture minimize titanium material for an overall reduced density thereby facilitating enhanced radiographic imaging and post operative fusion evaluations.

Struxxure
Hybrid Locking Plate



Blade
Self - Locking Plate

Stand Alone Cervical

Saxxony®
Posterior Cervical Thoracic System

Corpectomy

Tedan Phantom XL3 MIS
Lateral Lumbar Access System

Matrixx ALIF

Matrixx Stand Alone ALIF

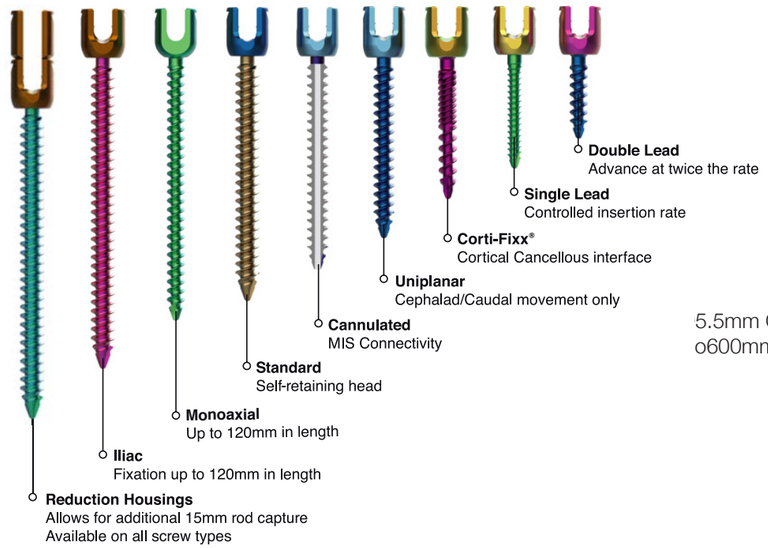
Matrixx Lateral

Matrixx TLIF

Matrixx TLIF Oblique

Screw Options

Available in a range of diameters and lengths.



Rod Options

Protected Rod Snap-In feature
5.5mm Cobalt Chrome and Titanium Alloy Rods up o600mmTitanium Alloy Rods up to 600mm straight and prebent Hex end and Lined Options

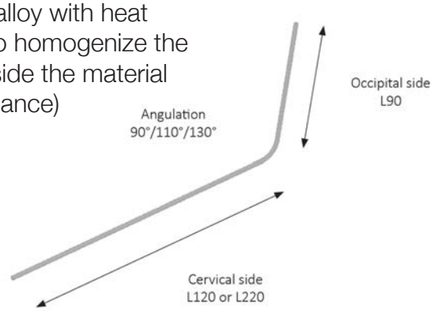
Occipital Plating

PERLA® OCC system implants is designed to treat the following cervical and occipital pathologies.

- Traumatic spinal fractures and or traumatic dislocations
- Instability or deformity
- Failed previous fusions
- Tumors involving the cervical spine
- Degenerative disease

Rods Pre-Bent

- Titanium alloy with heat treatment to homogenize the stresses inside the material (more resistance)



Sizes

3 sizes S, M, L
- Small 44.5 x 35.8 mm (W x H)
- Medium 51.5 x 37.7 mm (W x H)
- Large 58.5 x 39.6 mm (W x H)

Shape

- Flat
  - Midline area thickness 2,2 mm
  - Wings are thickness 1,6 mm
- Bendable on 3 zones

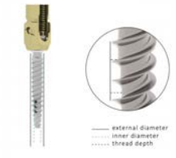
Adjustable Rods

- Rotating part for easy adjustment
- Titanium Alloy only
- Diameter 3.5 mm
- T15 setscrew pre-assembled
- Counter torque dedicated

PERLA®2 TL MIS

MIS Thoracolumbar Fixation

Double Thread



The Double Thread allows for a faster insertion compared to a single thread screw, reducing fatigue.

Dual Core Bone Screw

The Dual Core creates a constant external diameter with a variable thread depth. This allows a better adaptation to the vertebra anatomy and improved screw resistance and bone purchase: deeper threads for cancellous bone and shorter thread for cortical bone.

Rod Inserter Connection

For Rod Inserter 90° Non-Passing or Passing (MPF-IN 03 10-N or MPF-IN 03 00-N), insert the Rod Inserter Inner Shaft into the Rod Inserter and turn the knob until the shaft is secured.

Connect the appropriate Rod to the Rod Inserter 90°assembly.

Rod Reduction

The Persuader can be used to reduce the rod into the screw head, making setscrew placement easier. The rod reduction can go up to 30 mm.

TRYPTIK®Ti
Cervical Ti Cage

SCARLET® AC-T
Cervical Secured Cage

SCARLET® AL-T
Secured Lumbar Anterior Cage

JULIET®Ti OL
Transforaminal Straight Ti Cage

JULIET®Ti TL
Transforaminal Ti Cage

JULIET®Ti PO
Posterior Ti Cage

OTELO® MIS
Radiolucent Posterior Retractor

OTELO® LL
Radiolucent Lateral Retractor

ROMEO®2 PAD
Interspinous Fusion Device

PERLA® CC
Cranio-Caudal Preferred Angle Screw

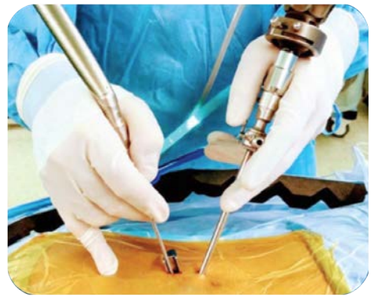
PERLA® SS
Smooth Shank Screw

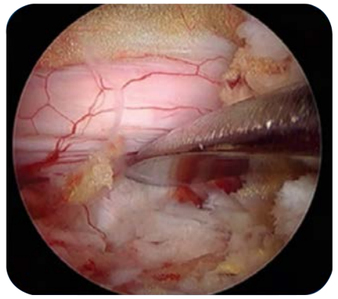
PERLA® ML
Medio-Lateral Preferred Angle Screw

ROMEO®2 MIS
Cannulated Pedicle Screw

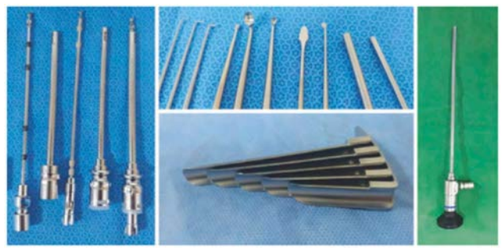
AMPLIFY® SURGICAL dual Portal™

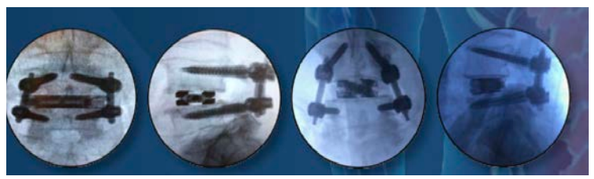
Endoscopic Spine

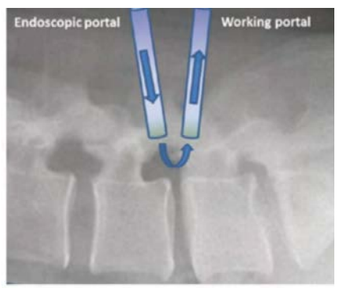


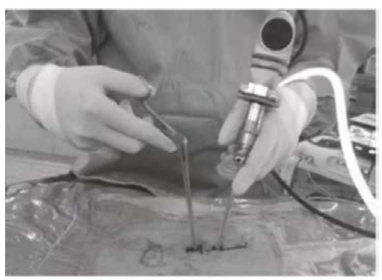


The DualPortal is not only ideal to use for Laminectomies & Facetectomies, but can be used for TLIF/PLIF cases as well. It has advantages compared to traditional endoscopic & minimally invasive approaches because of direct neural decompression and endplate preparation under endoscopic guidance. The DualPortal approach with a DualX expandable cage allows the surgeon to have better guidance for fusion with a larger interbody footprint.









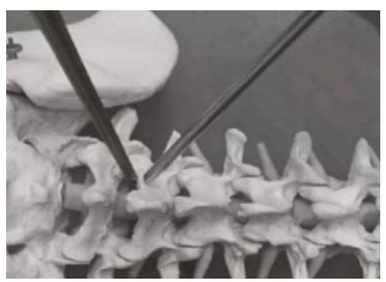


Fig. 20.4 Continuous irrigation systems of percutaneou biportal endoscopic surgery. Irrigation fluid was draine from endoscopic portal to working portal

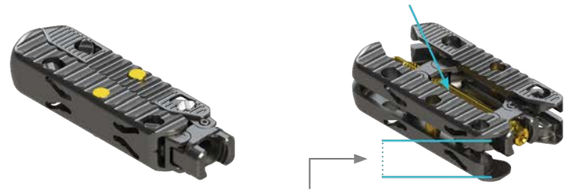
AMPLIFY™ SURGICAL

LLIF

- Heights 7mm* expanding to 17mm*
- Width 13mm expanding to 22mm
- Final Length 40 to 60mm
- 0°, 7°, 12° and 18° Lordosis*

Multiple lordotic angles restore sagittal balance

Large, center bone graft chamber for post-expansion grafting

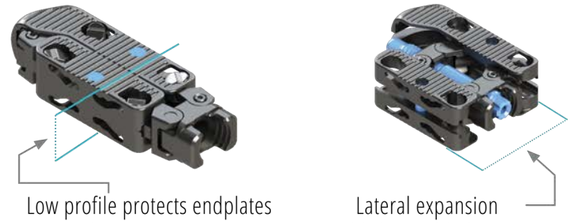


Vertical expansion assists in direct and indirect decompression

TLIF

- Heights 7mm* expanding to 17mm*
- Width 12mm expanding to 21mm
- Final Length 30mm
- 0°, 8°, 12° and 15° Lordosis*

Minimize subsidence with the largest footprint in the expandable cage market



Low profile protects endplates during insertion

Lateral expansion establishes stable footprint

T/PLIF

- Heights 7mm* expanding to 17mm*
- Width 12mm expanding to 21mm
- Final Length 25mm
- 0°, 8°, 12° and 15° Lordosis*

Collapsed width designed to reduce neural retraction

Open design allows bone graft to flow out to fill entire disc space

Coarse ridges assist with initial implant stability

MED-X SURGICAL DISTRIBUTION

CENTINEL SPINE®

prodisc® C

Anterior Cervical Total Disc Replacement

The most studied and clinically-proven total disc replacement technology in the world.

The Most Studied TDR System in the World

Beginning with clinical usage in 1990, the prodisc design has been validated with over 125,000 device implantations worldwide and more than 540 published papers

Determined Safe & Effective for Intractable SCDD

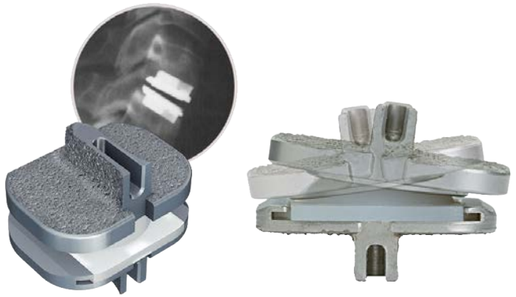
The prodisc C Total Disc Replacement has been determined to be safe and effective in the treatment of intractable symptomatic cervical disc disease (SCDD) at one level from C3 to C7.

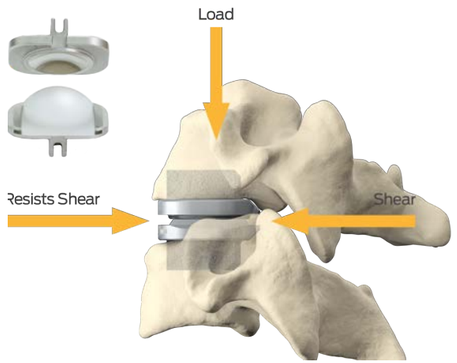
The prodisc C Total Disc Replacement surgery is intended to:

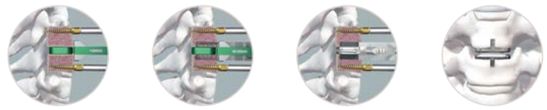
- Remove the diseased disc
- Restore normal disc height
- Decompress surrounding neural structures
- Potentially provide motion in affected vertebral segment
- Improve patient function

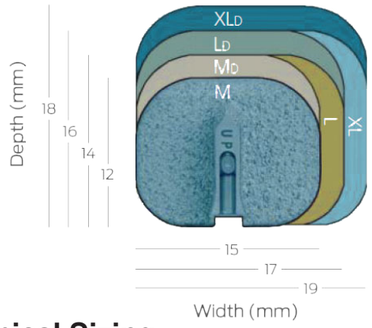
Mechanism of Action

The prodisc implant is a ball and socket design with a fixed center of rotation. This patented design has been in clinical use since 1990 and utilized across the entire product platform. The fixed center of rotation allows physiological range of motion while providing stability to the spine and significantly reducing reoperations at the adjacent levels.









Anatomical Sizing

- 18 anatomical sizes facilitate an accurate match with the patient's anatomy
  - 6 footprints
  - 3 heights (5, 6 and 7 mm)

prodisc® L

Anterior Lumbar Total Disc Replacement

The most studied and clinically-proven total disc replacement technology in the world is now the only total disc replacement system in the U.S. approved for two-level use in the lumbar spine.

The Most Studied TDR System in the World

Beginning with clinical usage in 1990, the prodisc design has been validated with over 125,000 device implantations worldwide and more than 540 published papers

Inferior Angled Endplates

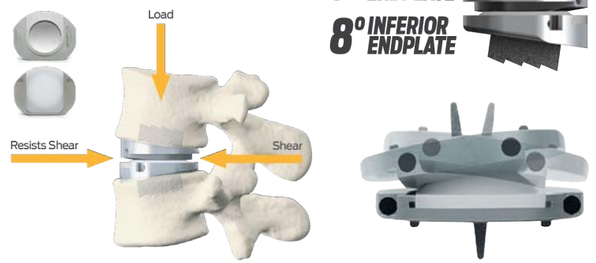
The prodisc L Total Disc Replacement system now has a greater selection of endplates available. These unique endplates have been designed to shift the lordotic angle of the implant to the inferior endplate, expanding the options available to surgeons to better address the varied lumbar anatomy and pathology of patients.

Determined Safe & Effective for Degenerative Disc Disease

The prodisc L Total Disc Replacement has been determined to be safe and effective in the treatment of degenerative disc disease (DDD) at two levels from L3 to S1.

Mechanism of Action

The prodisc implant is a ball and socket design with a fixed center of rotation. This patented design has been in clinical use since 1990 and utilized across the entire product platform. The fixed center of rotation allows physiological range of motion while providing stability to the spine and significantly reducing reoperations at the adjacent levels.



The prodisc L Total Disc Replacement surgery is intended to:

- Remove the diseased disc
- Restore normal disc height
- Reduce discogenic pain
- Potentially provide motion in affected vertebral segment

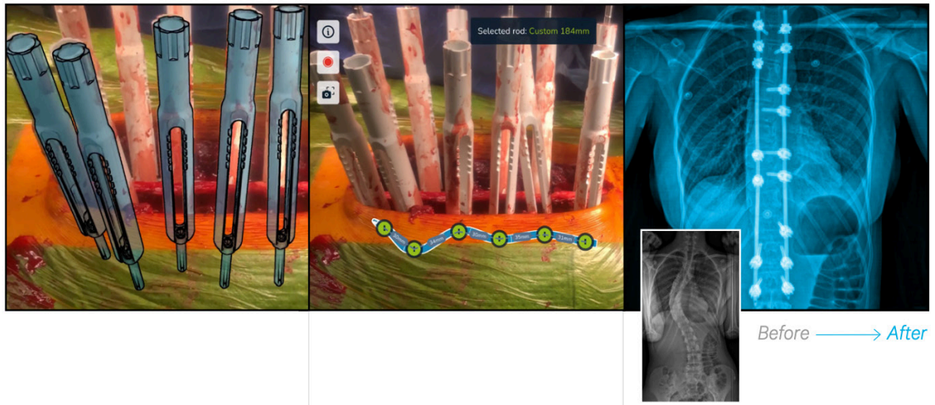
Anatomical Sizing

- 12 anatomical combinations facilitate an accurate match with the patient's anatomy
  - Medium and large footprints
  - 10, 12 and 14 mm heights
  - 6° and 11° lordotic angles

Safe and Reproducible Surgical Technique

MED-X SURGICAL DISTRIBUTION

Neo
BEYOND THE EXPECTED



UNPRECEDENTED TECHNOLOGY

Bringing real-time, intraoperative smart systems to the spinal O.R. for the first time

UNPARALLELED VISIBILITY

AI-powered augmented reality for patient customized fixation and correction shows surgeons what their eyes can't see

UNCOMPROMISED TREATMENT

Every patient is unique. Neo enables surgeries customized to match real-world needs

UNIVERSAL IMPLANTS AND SMART INSTRUMENTS

LESS IS MORE-MULTI-FUNCTIONALITY AT ITS BEST

Conventional implant and instrument systems are wasteful and bloated.
Of the more than and 10--15 trays of instruments 400 screws needed to support a complete repertoire of procedures and to treat every indication, most go unused, but all need to be prepared and sterilized. O.R. turnaround is slow and laborious, eating into surgical capacity.

Neo integrates into the perioperative process.

Requiring only **five sterile, smart and multi-functional instruments,** Neo replaces up to 15 trays of tools and can be applied to even the most complex cases while being ready to use at any moment.

Adaptive universal implants give surgeons poly, mono, cannulated, fenestrated and reduction features in a sing screw, reducing inventory from 400 to 26. Sterile and simple, these can be modified in seconds to meet each patient's specific needs.

Optimized to work seamlessly togeterh and with ADVISE™, Neo's **universal implants and smart instruments streamline multiple aspects of the perioperative process.** Pre-operative O.R. prep, intraoperative processes, and O.R. turnaround will never be the same again.

Neo
BEYOND THE EXPECTED

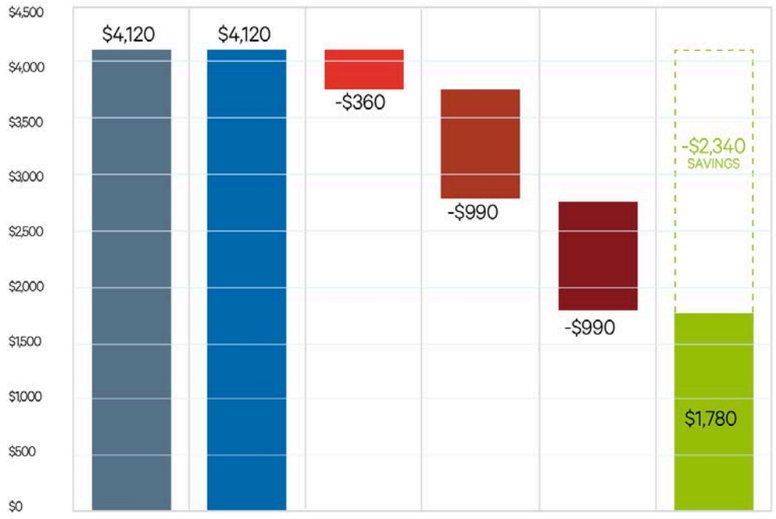
ADVISE™
ADVANCED DYNAMIC VISUALIZATION OF INTRAOPERATIVE SPINAL EQUILIBRIUM

SEE THINGS YOU'VE NEVER SEEN BEFORE

Relative implant positions are difficult to judge intraoperatively, but imperfect alignment or screw depth can result in unintentional stress along the construct, leading to hidden and lasting consequences.

ADVISE™ helps you precisely **navigate your correction and fixation.**

This AI-powered, augmented reality platform **makes guidance technology easily accessible** using a tablet inside a sterile cover, without the need for expensive capital equipment purchases or a cluttered O.R.



NEO'S TOTAL TECHNOLOGY ECOSYSTEM CAN DRIVE OPERATIONAL COSTS DOWN BY 50% OR MORE ON THE BACK-END, AND REDUCE SUPPLY COSTS BY 10% ON THE FRONT-END.

OPERATIONAL COST REDUCTION

Current Hospital Matrix Pricing Example
Current Hospital Matrix Pricing

Tray Sterilization Cost
Minimum of 3 Fewer Trays Sterilized @ $120 per tray
*"In many cases up to 10-15 trays can be required, so 3 trays are a conservative estimate

SPD Delay Cost
Eliminate 60-minute Sterile Processing Delays @ $66/min

Neo One Level Construct Cost
Neo implants & single use instruments are equal to current hospital matrix pricing example

Set Up/Turnover Time Cost
15 minutes Less Time for Room Set-Up & Turnover @ $66/min[9]

Net Neo One Level Construct Cost
Operational Cost Reduction of 50%+
*Operational cost savings of $2,340 or more can be realized on a per case basis

MED-X SURGICAL DISTRIBUTION

Kalitec

At Kalitec Medical, we translate our passion for product development with relentless commitment and attention to detail to create products and a customer experience that strives to exceed expectations while delivering the highest quality medical devices.

CosmoLock® MIS

The CosmoLock® MIS System offers an optimal minimally invasive solution capable of treating a myriad of pathologies in the thoracic and lumbar spine. The system is designed to be extremely low profile and simple to use, while providing intuitive surgeon friendly instrumentation.

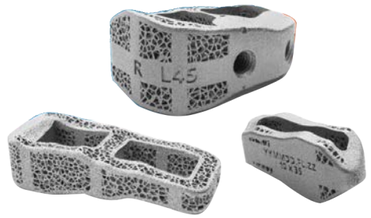
CosmoLock® II

The CosmoLock® II Pedicle Screw System is designed to enhance the surgeon's intraoperative spine surgery experience while treating complex pathologies of the thoracolumbar spine. The system is fully comprehensive and features ergonomic, sleek and intuitive instrumentation.

carlsmed

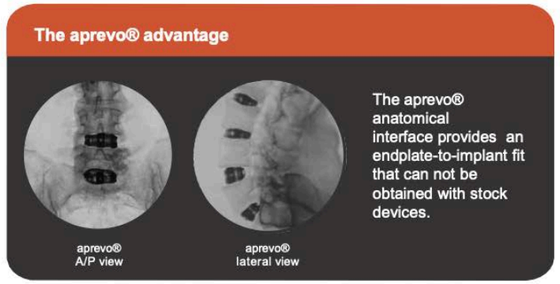
Unlike stock devices that square up the disc space, aprevo® devices are personalized to conform to patient anatomy and achieve the planned correction of spinal malalignment.

The aprevo® patient specific plans and devices give you the power to achieve your surgical plan, which is known to reduce complications and improve patient outcomes.



Improve fusion conditions

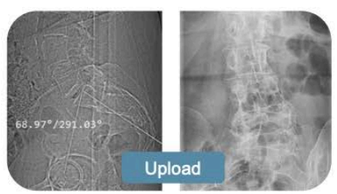
aprevo® personalized interbody devices have an anatomical interface with vertebral endplates. The benefits of this feature have been well studied:



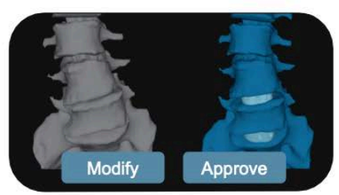
- **Improved fit to achieve alignment[2]**
- **28% decrease in posterior rod stress[3]**
- **50x increase in contact area[4]**
- **30x reduction in stress concentration[4]**
- **45% more effective contact[5]**
- **Reduced stress increase inside the adjacent disc and facets[6]**
- **Decrease postop subsidence[7]**
- **Decrease severity of subsidence-related pain[7]**

Simplify surgical planning

Carlsmed simplifies the data upload process for your clinic and/or radiology. After your patient's CTs and X-Rays have been processed by Carlsmed®, you will receive segmented 3D models of the spinal deformity and a proposed correction in the aprevo® app. Carlsmed's secure user interface allows you to easily review, modify, and approve the proposed 3D surgical plan. The aprevo® personalized titanium devices are ready to be shipped within weeks.



Step 1: Upload CT & Standing A/P and Lateral X-Ray images



Step 2: Review plan

Step 3: Sterile implants and inserter arrive for surgery

MED-X SURGICAL DISTRIBUTION

CTL AMEDICA
rethink what's possible®

MONET™
Anterior Cervical Fusion Platform

VAN GOGH II™
Anterior Cervical Fixation Platform

RENOIR™
Posterior Cervicothoracic Fixation Platform

Valeo™ II C
Anterior Cervical Interbody Fusion Devices

Valeo™ C+CSC with Lumen
Anterior Cervical Interbody Fusion Devices

Valeo™ VBR
Corpectomy Device

PICASSO II™
Posterior Lumbar Minimally Invasive Fixation Platform

FLEX
Posterior Lumbar Modular Minimally Invasive Fixation Platform

MONDRIAN™ ALIF
Anterior Lumbar Interbody Fusion System

Valeo™ II PL/OL
Posterior & Transforaminal Lumbar Interbody Fusion Devices

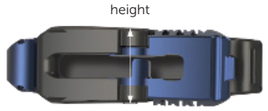
Valeo™ II AL
Anterior Lumbar Interbody Fusion Devices

Valeo™ II TL
Transforaminal Lumbar Interbody Fusion Devices

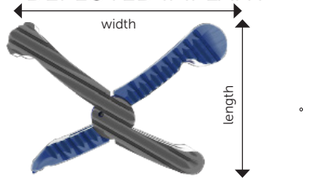
Valeo™ II LL
Lateral Lumbar Interbody Fusion Devices

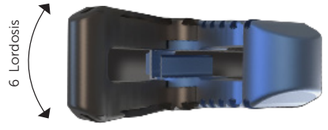
RODIN™

COLLAPSED IMPLANT



DEPLOYED IMPLANT





W27 x L21	
6 Degree Lordosis	
Part Number	Height(mm)
027.0108	8
027.0109	9
027.0110	10
027.011	11
027.0112	12
027.0113	13
027.0114	14

RODIN™ W27 x L21 Implant Measurements			
	Width(mm)	Length(mm)	Height(mm)
Collapsed	7	34	8-14
Deployed	27	21	8-14

PRECISION SPINE®

PRECISION SPINE
REFORM® POCT SYSTEM

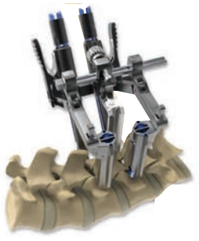
System features

PRECISION SPINE
RCS® ANTERIOR BUTTRESS PLATE SYSTEM

PRECISION SPINE
SURELOK™ PEDICLE SCREW SYSTEM

PRECISION SPINE
SURELOK™ MIS 3L PERCUTANEOUS SCREW SYSTEM

PRECISION SPINE
MD-MAX™ ULIF MINIMALLY DISRUPTIVE-MAXIMUM ACCESS SYSTEM



PRECISION SPINE
MD-VUE™ LATERAL FUSION SYSTEM

PHANTOMXL
LATERAL RETRACTOR

CLOVER
LATERAL RETRACTOR

MED-X
SURGICAL DISTRIBUTION

ulrich medical USA

Small VBR®

Vertebral Body Replacement

Omni VBR®

Vertebral Body Replacement

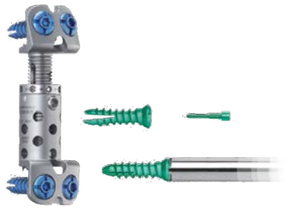
Obelisc®

Vertebral Body Replacement

Solidity®

Vertebral Body Replacement

ADDplus®



Vertebral Body Replacement

Obelisc LE®

Vertebral Body Replacement

SpineGuard® Making spine surgery safer

Straight PediGuard

- Straight tip
- Available in 3 different diameters: Ø2.5 mm, Ø3.2 mm and Ø4.0 mm
- Assist surgeons in preparing the pedicle for screw placement at any level of the spine

Curved PediGuard

- Curved tip
- 2 different diameters: Ø3.6 mm and Ø4.0 mm
- Ease penetration through the pedicle and removal thanks to the tapered tip
- Ease redirection during pedicle drilling: as surgeons become comfortable with the direction of the curve, they can be aware of the location of a possible breach, and hence allow proper redirection
- Mainly used in thoracic and lumbar, especially for deformity

Cannulated PediGuard

- 2 types of tips (bevel and trocar)
- Needle available in 2 sizes (120mm and 160mm) – the longest PediGuard instrument/shaft
- Progressive diameter of the Needle to ease the insertion and removal
- Graduated shaft to control the progression into the bone
- Designed primarily for helping surgeons reduce radiation exposure during minimally-invasive procedures
- Can also be used to access and drill narrow and small pedicles

Threaded PediGuard

- Threaded tip
- Design available in three diameters (Ø 4.0mm, Ø4.5mm and Ø 5.5mm)
- Stiff drilling instrument that may be used to streamline surgical steps while maintaining the accuracy for pedicle preparation for screw placement
- Potential reduction of the use of intraoperative imaging in standard and MIS procedures
- FDA cleared for vertebral body drilling via anterior approach

MED-X SURGICAL DISTRIBUTION

ELEVATION
SPINE

Minimally Invasive Corridor	Quick and Efficient Fusion Procedure	Verstile and Robust System
• Ability to access hard to reach levels of the spine (C-2, C3, and C7-T1) • Zero profile anterior plate and spacer design	• One-step implantation • Pre-loaded fixation of spikes • All spikes deploy simultaneously	• Anterior Cervical Plate • Integrated-fixation spacer • Multiple spacer material & fixation options

We are direct distributors for:

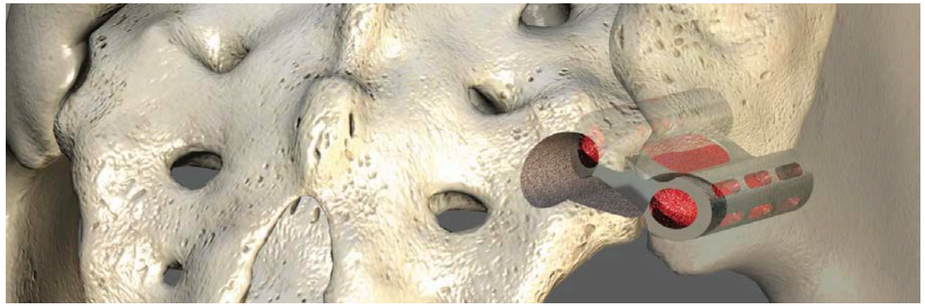
INSPIRATION OF SPINE
AEGIS SPINE

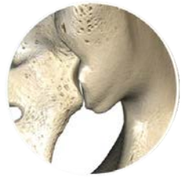
ORTHOFIX®

KYOCERA

TENON MEDICAL®

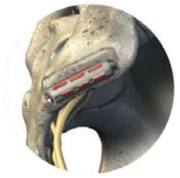
Catamaran™
SIJ Fusion System





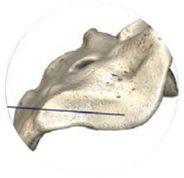
Favorable Entry Point

To facilitate arthrodesis, direct visualization of the SI Joint provides the entry point to decorticatethe joint



Posteroinferior Approach

Pathway is angled away from critical neural and vascular structures



Optimized Placement

Designed for maximum fixation in the dense cortical bone of the SI joint, inferior to the dorsal recess

One-and Done

A single implant spans and fixates the SI joint

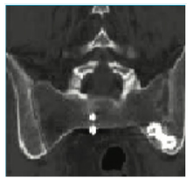
Catamaran™
SIJ Fusion System

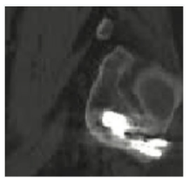
Designed to span the SI joint with one pontoon in the sacrum and one pontoon in the ilium, providing fixation with a sing at a single implant. The two pontoons are joined by an osteotome.

Pontoon Autologous Bone Capacity
Fenestrated pontoons designed to deliver autograft to facilitate fusion.

Implant Length	Barrel Diameter	Total Volume (cc)
30mm	10mm	2.18
40mm	10mm	3.09

Post-Op CT at six months
Axial and sagittal plane sections through a region of the SI joint showing adequate placement in the cortical bone.





MED-X
SURGICAL DISTRIBUTION

JEILMEDICAL

Cranial - LeForte Neuro System

Ultra Low Profile Plating System
0.3mm thickness

Screws

- 1.4mm Self-Drilling Screws
- Length 3, 3.7 and 4.2mm
- Cruciform Recess of Screw Head

Plates

- Thickness: 0.3mm
- Material: Pure Titanium Gr. 4
- Color: Dark Green - Extra Rigid

Low Profile Plating System
0.6mm thickness

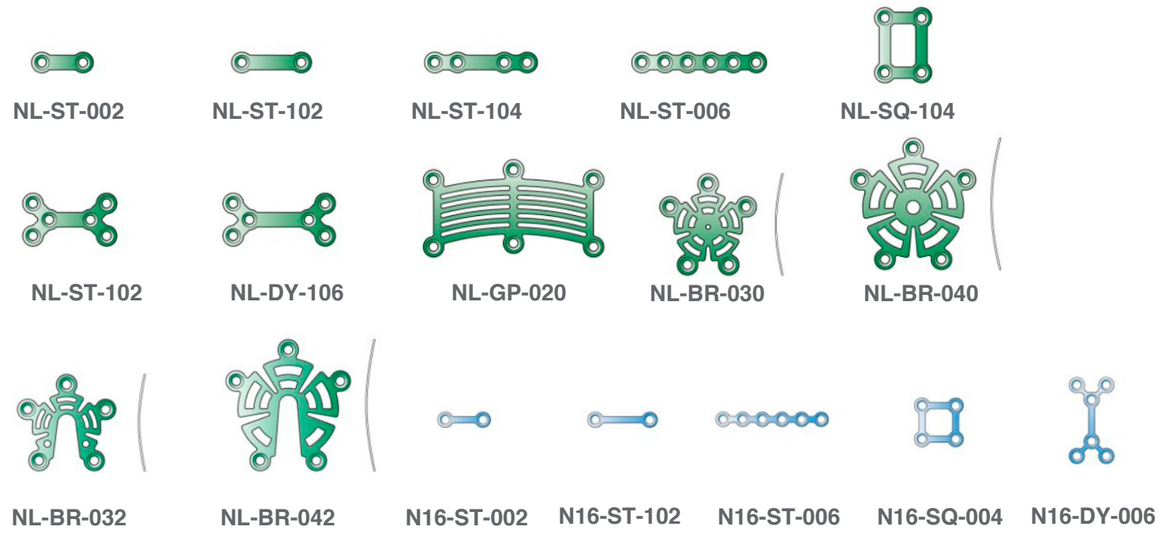
Screws

- 1.5mm Self-Drilling Screws
- Length 3, 4 and 5mm
- Cruciform Recess of Screw Head

Plates

- Thickness: 0.6mm
- Material: Pure Titanium Gr. 1 to 4
- **Color: Green - Malleable**
  Silver - Medium
  Blue - Rigid

Ultra Low Profile Plating System | Plates 0.3mm thickness



Low Profile Plating System | Plate 0.6mm thickness

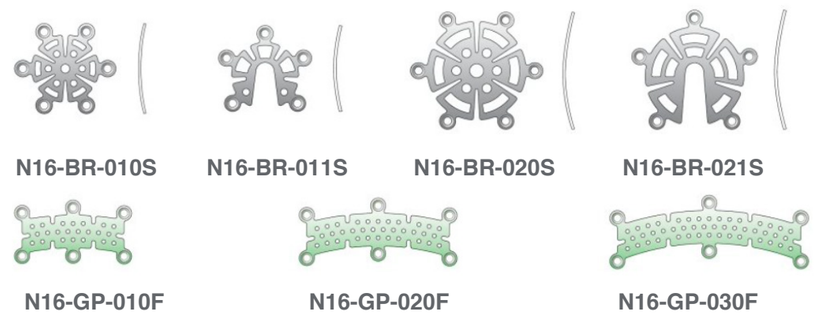
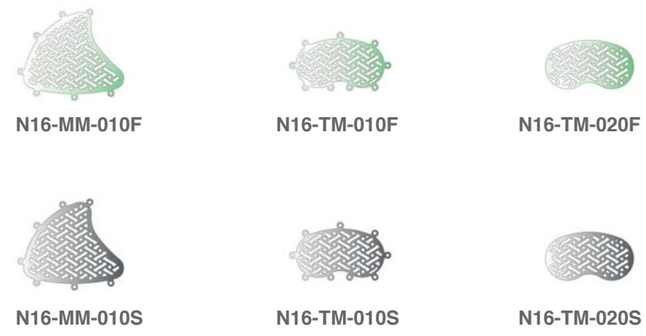
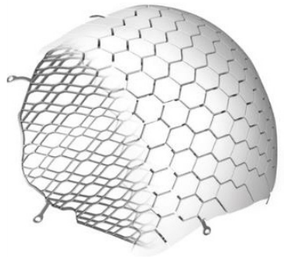


Plate 0.4mm thickness



MED-X SURGICAL DISTRIBUTION

OSSDSIGN®



OssDsign® Cranial PSI

OssDsign Cranial is a patient-specific implant based on a biocompatible calcium phosphate composition with a strong titanium skeleton embedded in the core of its' ceramic tiles.

OssDsign Cranial PSI is intended for the reconstruction of cranial defects. It is indicated for non-load bearing applications for patients in whom cranial growth is complete, and for use with an intact dura, with or without duraplasty.

Features

EXCELLENT MECHANICAL PROPERTIES
The design of OssDsign Cranial is based on a series of titanium-reinforced calcium phosphate tiles. In mechanical testing, Cranial PSI has shown to withstand up to two times the load as the comparative titanium mesh.

INNOVATIVE MATERIAL AND DESIGN
OssDsign Cranial is composed of OssDsign's biocompatible calcium phosphate-based ceramic material. It is designed as a set of interconnecting tiles with inter-tile spacing that enables fluid movement through the device.

EASY AND RELIABLE ORDERING, HANDLING AND FIXATION
OssDsign Cranial is easy to fixate to the skull with standard micro screws through the pre-designed, low-profile fixation arms. The titanium skeleton is embedded in the core of the implant's ceramic tiles which are manufactured, cured and immobilized - ready for surgery.

OssDsign's CAD-engineers have extensive experience in designing implants for cranial defects of various complexity. During the design process we work in close collaboration with you to ensure that we achieve an optimal solution for you and your patient.

Accessory Devices

OssDsign Cranial PSI Accessories are a collection of devices aimed to facilitate placement and fitting of OssDsign Cranial PSI. Each accessory is a patient-specific specifically designed for the patient's unique anatomy, using patient specific CT data and 3D printing. All devices are manufactured using PA 2200.

SYNERGY BIOMEDICAL
ADVANCING BIOMATERIAL TECHNOLOGY

BioSphere® Putty

BioSphere Putty is based on an innovative form of 45S5 bioactive glass. The Putty utilizes Synergy's unique spherical bioactive glass particles with a optimized, bimodal size range. The combination of the BioSphere particles and a resorbable, phospholipid carrier results in a bioactive Putty with the highest bioactive glass content on the market, excellent handling, and improved bone healing.

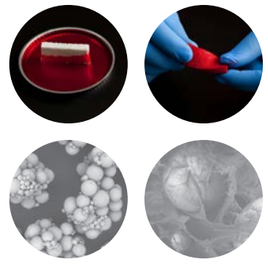
BioSphere® MIS

The BioSphere® MIS Putty graft delivery system is precision engineered to extrude BioSphere® Putty through a cannula designed for minimally invasive surgery

BioSphere® FLEX

Features

PRECISION DELIVERY
• Delivery stops when trigger is released (~0.2cc per trigger pull)
EASY TO USE SYSTEM
• Two-piece assembly
MIS COMPATIBLE
• Cannula outer diameter – 9mm
LOW PROFILE
• Delivery gun does not obstruct view



BioSphere Flex is a bone graft that was specifically developed to maximize the bone healing potential of bioactive glass. Using Synergy's proprietary BioSphere Technology, BioSphere Flex is composed of innovative bioactive glass granules combined with a porous collagen/sodium hyaluronate carrier.

OssDsign® Catalyst

OSSDSIGN®

In November 2020 OssDsign completed the acquisition of the privately held Scottish bone graft specialist company Sirakoss Ltd, expanding into the spinal bone graft market. The acquisition broadens OssDsign's product portfolio with OssDsign Catalyst an FDA 510(k) cleared next-generation nanosynthetic bone graft substitute that stimulates the formation of healthy bone tissue.

Following the principles of synthetic developmental engineering, the innovative nanosynthetic bone graft putty OssDsign Catalyst is designed to engage dual bone formation pathways resulting in rapid, controlled bone formation at early time points. Data from a recently published pre-clinical study show that OssDsign Catalyst induced rapid and reliable bone formation and that successful fusion was achieved in 100% of the studied subjects at 26 weeks, compared to 60% in the group where a comparable market-cleared device was used.

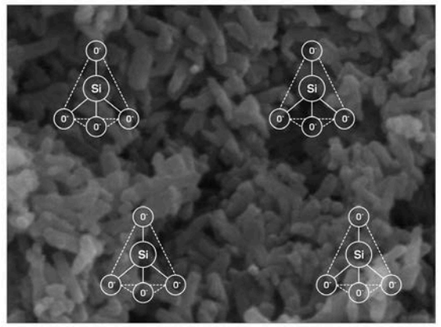
MED-X SURGICAL DISTRIBUTION

OSSDSIGN®

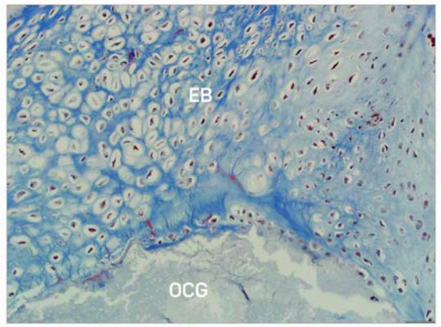
Patented unsintered nanoarchitecture

SiO_4 Ultra-high incorporated silicate ions

Following the principles of developental engineering, OSS Design Catalyst was designed to engage dual bone formation pathways (endochondral and intramembraneous) resulting in rapid bone formation at early time points. These two pathways are involved in natural bone formation during skeletal development and repair.



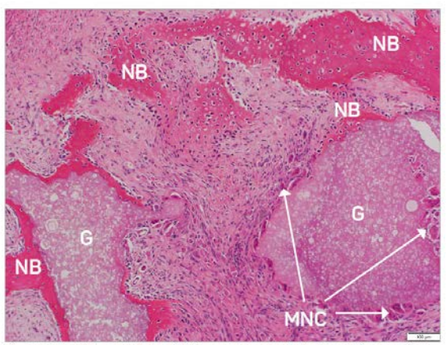
A high-magnification electron microscopy image of the surface of OssDsign Catalyst shows a nanocrystalline structure that mimics that of bone mineral crystals. Silicate ions are incorporated into the crystal structure.



OCG = OssDsign Catalyst Granule, EB = Endochondral Bone

Histology showing bone formation by an endochondral pathway adjacent to OssDsign Catalyst (NB); image is from the center of the defect in a rabbit model[1,2].

The non-ceramic (unsintered), nanocrystaline structure with uniquely high levels of incorporated SiO ions is designed to catalyse an endogneous biological response, resulting in rapid controlled bone formation in hypoxic environments OssDsign Catalyst engages the endochondral ossificiation pathway, leading to rapid bone formation at the center of a defect even in chanllenging poorly vascularized envirnonments.



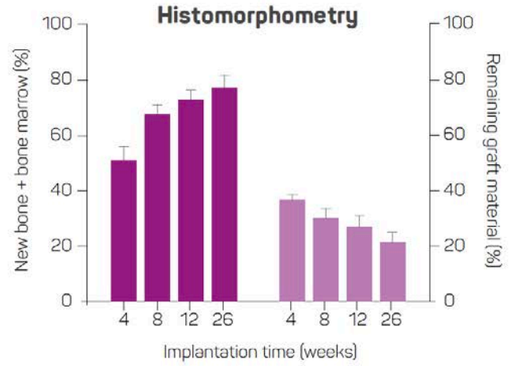
G = granule; NB = new bone; MNC = multinucleated cells, graft resorption

In vascular environments OssDsign Catalyst also engages the intramembraneous ossification pathway via recruitment of endogenous mesenchymal stem cells.

The engagement of these dual bone formation pathways results in rapid and reliable bone formation thourhgout the defect.

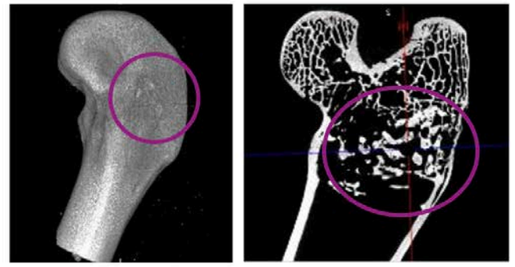
Histology showing intramembranous bone formation (NB) on and between ganules of OssDsign Catalyst (G), coupled with remodeling of the granules by endogenous multinucleated cells (MNC).

OssDsign Catalyst in a standalone trauma defect (rabbits)[4]



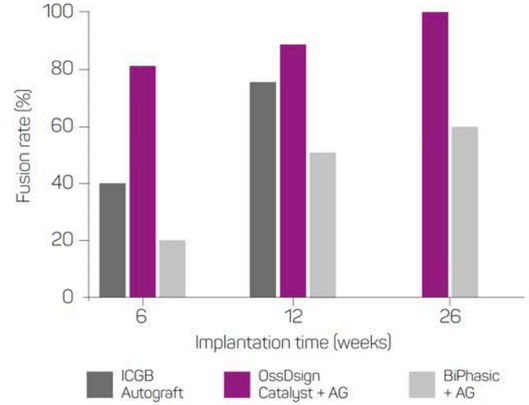
Quantification of the amount of total bone formed (dark purple) and remaining graft material (light purple) in a defect filled with OssDsign Catalyst by histomorphometry. Data are the mean ± SEM (n=5)

µCT



Reconstructed µCT images of defects filled with OssDsign Catalyst showing excellent graft incorporation (left) and remodelling (right).

Uninstrumented Posterolateral Spine Fusion Model[1]



OssDsign Catalyst demonstrates:

80% fusion rate at early six-week time point

90% fusion rate at 12 weeks

100% fusion rate at 26 weeks

Equivalence to gold standard ICBG

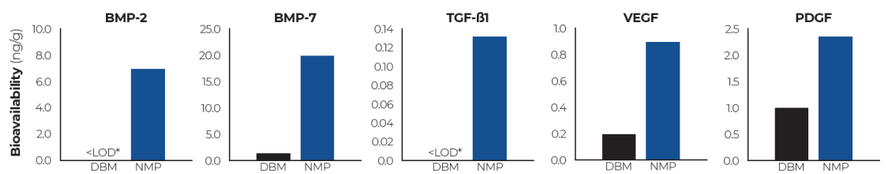
INDUCE BIOLOGICS

NMP™ Bioimplants
Room Temperature Storage & Sterile

NMP™ Technology
(Natural Matrix Proteins)

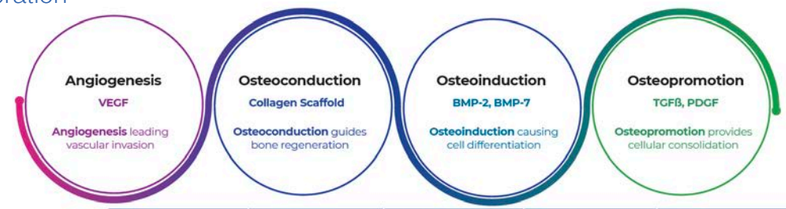
The NMP™ process unlocks the growth factors naturally found in bone, making them bioavailable.

Growth Factors with NMP™ Technology
Bioavalibility



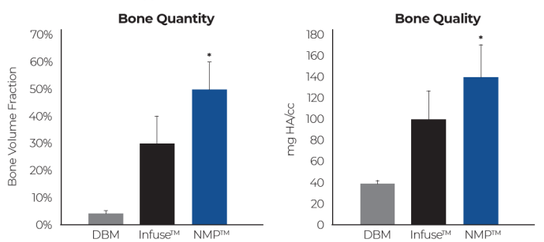
*<LOD=Below Limit of Detection

Osteoregeneration

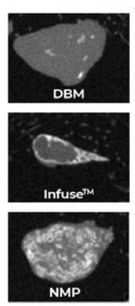


Growth Factor Function	BMP-2 Osteoinduction	BMP-7 Osteoinduction	TGFß-1 Angiogenesis; Bone Matrix Formation	VEGF Angiogenesis	PDGF Angiogenesis; MSC Proliferation
NMP™	●●●○○	●●●○○	●●○○○	●●●○○	●●●○○
Infuse™	●●●●●	○○○○○	○○○○○	○○○○○	○○○○○

Bone Healing



Kohen Y., Shivanna S. and Peel SAF. Evaluation of Natural Matrix Proteins (NMP) Bone Allograft *in vitro* and *in vivo*. ASBMR. LB SUN-908, 2022.



MicroCT images of DBM, InfuseTM and NMPTM implants 28 days post implantation. Grey mass is unmineralized tissue. White areas within the mass are mineralized bone.

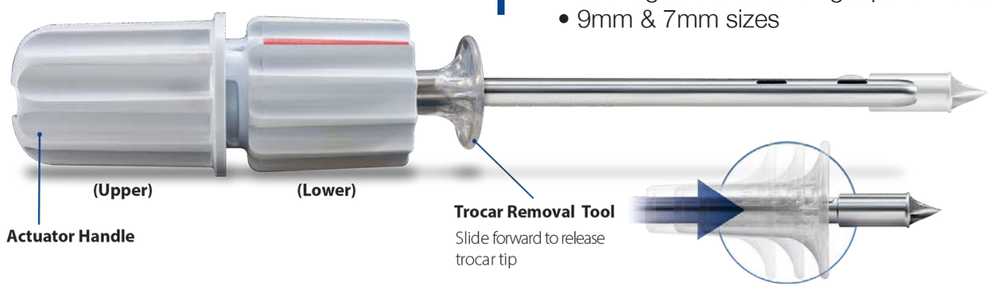
Grey mass is unmineralized tissue. White areas within the mass are mineralized bone.

TRINITY ORTHOPEDICS

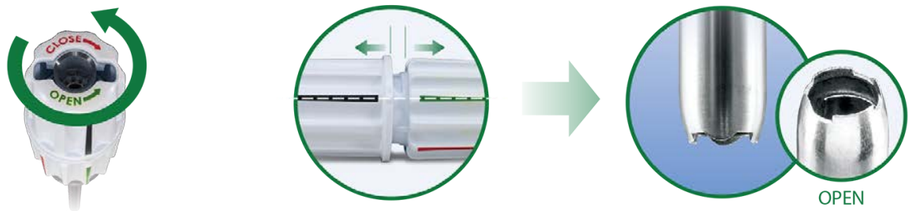
COREX™
MINIMALLY INVASIVE BONE HARVESTER

a non-aggressive distal tip for micro-fracturing cancellous bone and reducing the risk of cortical bone penetration

Features
- Designed to reduce procedural cost, time & risk of infection
- Percutaneously harvests dowels of cancellous bone
- Removable trocar creates small harvest window
- Packaged sterile for single-patient use
- 9mm & 7mm sizes



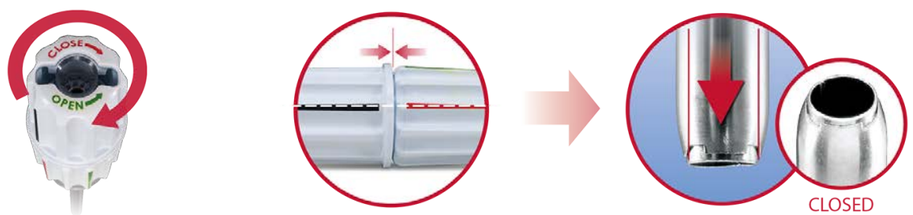
OPEN POSITION: **Harvests & Collects** contiguous bone dowels within barrel of trephine



Rotate upper actuator handle **counter clockwise** until **Green & Black** indicator lines are aligned

Exposes non-aggressive tip and deactivates bone graft capture mechanism

CLOSED POSITION: **Captures & Retains** cancellous bone dowels during withdrawal from harvest site



Rotate upper actuator handle **clockwise** until **Red & Black** indicator lines are aligned

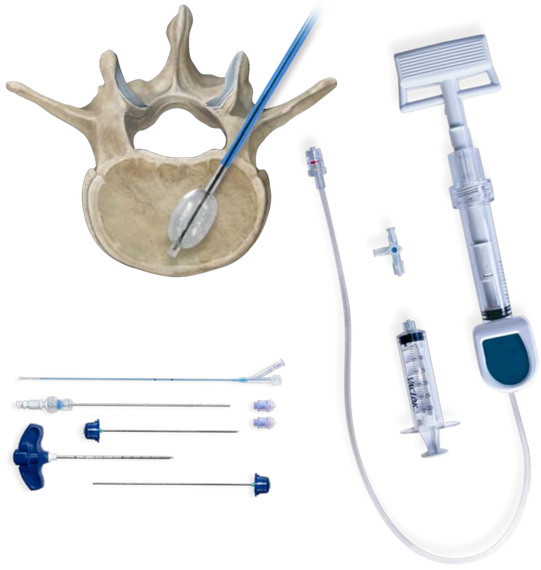
Exposes inner retaining sleeve and activates bone graft capture mechanism

MED-X SURGICAL DISTRIBUTION

IZI Medical

Osteo-site®
Vertebral Balloon

Osteo-site® Vertebral Balloon uses a balloon catheter to create cavity, restore vertebral height and correct angular deformity from vertebral compression fractures (VCFs) due to osteoporosis, cancer, or benign lesion. After the void is created, the balloons are deflated and removed. The resulting cavity allows for a controlled deposition of IZI's bone cement — which helps form an internal cast and stabilize the fracture.



Product Benefit

- Stiff and durable balloon provides rigidity during insertion and controlled cavity creation
- Clearly defined marker bands on the shaft to help identify the proper advancement and placement of the balloon while in the access cannula and vertebral body
- Coaxial cement injection cannula to ease cement delivery when performing a bipedicular approach
- Bone drill and curette available for insertion into hard vertebral bone
- Compatible coaxial biopsy needle with trephine tip to extract cancellous bone samples

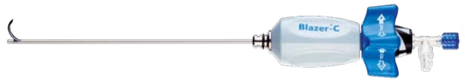
Product Specifications

- 15mm balloon
- Rated up to 400psi
- Available with 10G and 11G access needle

Kiva® VCF
Treatment System

For the first time, Kiva allows a treating physician to deliver (through a transpedicular approach) an implant with a predictable structure. The implant also functions as a reservoir to contain and direct the flow of cement. It is indicated for use in the reduction and treatment of spinal fractures in the thoracic and/or lumbar spine from T6-L5*. It is intended to be used in combination with the IZI Vertebral Augmentation Cement Kit.

Blazer® Vertebral
Augmentation System



Blazer-C is a minimally invasive treatment option you can use in the treatment of pathological compression fractures resulting from osteoporosis, benign lesions, or malignant lesions. The procedure usually takes less than an hour per fracture and works under local or general anesthesia so you can use Blazer-C either in your spine specialty office or in a hospital setting.

Osteo-site® Cements

Vertefix® Plus
Biocompatible Bone Cement

Loaded with hydroxyapatite for biocompatibility. The good radiopacity enables efficient visualization guidance

- Injection time: 8 minutes. Yield: 16 cc of PMMA

Osteofix® Low
Exothermic Bone Cement

Medium viscosity enables long working time and give the possibility of multi-level injection procedures. The high rate of radiopacifer provides good visualization guidance.

- Injection time: 15.5 minutes. Yield: 16 cc of PMMA

Vertefix® HV High
Viscosity Bone Cement

- Infused with Insite™ tracking beads
- Injection time: 18 minutes. Yield: 18 cc of PMMA

Thermalfix®
High Exothermic Bone Cement

Exothermic bone cement, heat release exceeding 85° C, when in contact with bone. Radiopacifer of 50% enables maximum and safe radiological control

- Injection time: 9.5 minutes. Yield: 16 cc of PMMA

MED-X SURGICAL DISTRIBUTION

regenlab®

PRP® & CELL THERAPY SPECIALISTS

What is Platelet Rich Plasma (PRP)

Platelets are key factors in hard and soft tissue repair mechanisms. They provide essential growth factors such as FGF, PDGF, TGF-β, EGF, VEGF, and IGF which are involved in stem cell migration, differentiation, and proliferation. By using the patient's own blood to prepare the platelet concentrate, the RegenKit® technology vastly reduces the risk of an allergic or adverse reaction.

Low Blood Volume Required

Regen® products are designed to prepare a high quality PRP or cell therapy from a sample of blood 10ml or less. The low blood volume requirement allows for ease of use and a positive patient experience.

Therapeutic Platelet Recovery

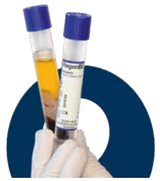
Plasma based PRP products are becoming more heavily implemented in practices across the nation as more education about the benefits of plasma is shared. Regenlab's preparation method was developed to recapture both small and large platelets in a volume of plasma while selectively removing the desired levels of white blood cell contaminants.

Consistent Isolation of PRP

By understanding the behavior of the gel separator technology, Regen Lab has developed methods to consistently prepare high quality PRP and other cellular therapies. As long as the protocol is respected, the gel separator will isolate the desired composition of PRP, regardless of who is performing the preparation.

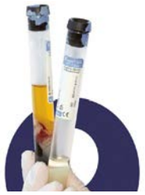
Safe and Easy to Use

Patient and user safety is our first priority. All products are manufactured according to Good Manufacturing Practice (GMP) standards. The simplicity of the closed system technology eliminates the need to transfer the cellular product from material to material, removing the risk of environmental contamination.

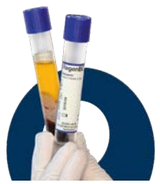


RegenKit® A-PRP® Leukocyte Poor PRP

RegenKit® A-PRP® Plus Autologous Thrombin Serum



RegenKit® THT Lymphocyte Rich PRP



RegenKit® A-PRP® Leukocyte Poor 20mL PRP

Accessory Product

AMMEX®

Vinyl Disposable Gloves

AMMEX X3 Clear Vinyl Industrial Gloves (GPX3)

X3 White Stretch Hybrid Poly Industrial Gloves (TEX3)

Gloveworks Clear Vinyl Industrial Gloves (IVPF)

Gloveworks Blue Vinyl Industrial Gloves (IVBPF)

Hongray®Disposable Nitrile Examination Gloves

Gloveworks® Ivory Latex Industrial Powder Free (ILHD)

Gloveworks® Orange Nitrile (GWON)

Gloveworks® Green Nitrile (GWGN)

Gloveworks® Black Nitrile (GWBN)

Gloveworks® Black Nitrile Industrial Latex Free (GPNB)

Exam Blue Nitrile Gloves

Nitrile Gloves

MED-X SURGICAL DISTRIBUTION

FACE MASKS





COVID-19 TESTS

MISCELLANEOUS

Hair Cover

Disposable Non Woven Caps, Stretchy Anti Dust Hat Medical Hair Cover

Bouffant Cap

Adjustable Scrub Cap keeps you cool and comfortable with moisture wicking and antimicrobial technology.

Face Shield

Disposable Face Shield. Rigid, clear plastic attached to an expandable headband

Hand Sanitizer

Gel, Liquid Spray and 1oz to 250 gallons available

Wipes

Disinfectant and Sanitizing Wipes, Multiple sizes available

Felix 200 - Powered Air-Purifying Respirator PAPR

American PAPR's NIOSH-approved Powered Air-Purifying Respirator (PAPR) with loose fitting facepiece designed and engineered to provide the highest level of respiratory protection against particulates (APF of 25) for any professional without the need for fit testing .

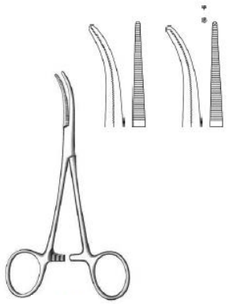
COMFORT DURABILITY USABILITY

- ✓ Improves protection over N95 Respirators by 250%
- ✓ Innovative (loose fitting)
- ✓ Designed to minimize environmental impact
- ✓ Optimal mobility.
- ✓ Ready to use and contains all components required for immediate use with minimal setup/assembly required.
- ✓ Weight evenly distributed for user comfort.

MED-X SURGICAL DISTRIBUTION

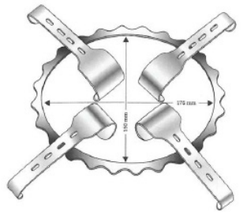
MED-X SURGICAL DISTRIBUTION

Collier

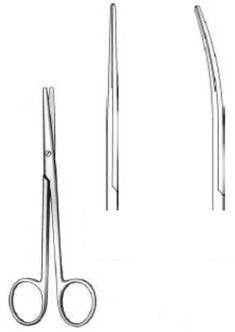


Dandy

Deaver



Denis-Browne



Metzebaum

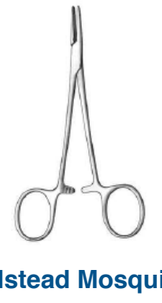
Schede

Scissors

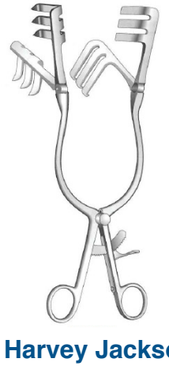
Scoville

Farabeuf

Frazier



Halstead Mosquitos



Harvey Jackson

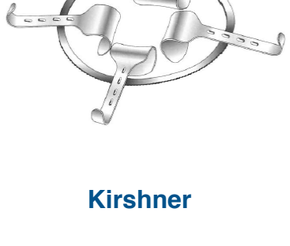
Standard

Taylor

US Army

USA Standard

Heath



Kirshner

Mason-Judd

Matthieu

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