



PRECISION SPINE®

Discover the Difference

BIOMATERIALS • CERVICAL • LUMBAR • LATERAL • ANTERIOR LUMBAR • INTERBODY



Advancing the state of the art & responding to customer needs

GLOBAL DISTRIBUTION

We have over 200 Distribution Partners around the world, conducting business in North America, Europe, South America, Latin America, the Middle East and the Pacific Rim.

QUALITY PRODUCTS

Our surgeon-designed implants and instruments are manufactured in the United States.

COMPETITIVE PRICING

Our vertically integrated design, manufacturing and distribution model reduces costs and passes savings to customers.

CUSTOMIZATION

We are able to develop implants and instruments to meet specific needs for specific procedures.

IN-HOUSE MANUFACTURING IN THE USA

Precision Spine[®], Inc. is a privately held company headquartered in New Jersey, with approximately 30,000 square feet of manufacturing and distribution space in Mississippi.

Our commitment to continuous improvement in every aspect of our organization is unwavering.

As a US manufacturer and global distributor of spinal products, we are proud to offer a comprehensive product portfolio that provides surgeons with the intraoperative options and flexibility demanded by today's challenging surgical procedures. We continually strive to advance treatment options with the goal of improving the quality of life for those impacted by disorders of the spine.

We take pride in our ISO Certified, US manufacturing operation. Additionally, we've implemented AdvaMed's Code of Ethics into our workforce because we feel adherence to such standards and compliance with applicable laws is critical to maintaining the trust and confidence we establish with each of our surgeon customers and the institutions at which they perform advanced spinal procedures.

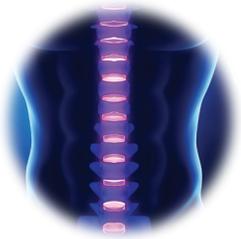
CUSTOMER DRIVEN SUPPORT

Precision Spine is dedicated to proactive customer support. We keep constant close watch on areas of customer concern, such as product quality, timely delivery, standards of performance and cost-effectiveness. We anticipate and correct potential issues before they become problems. We communicate closely and clearly with our customers in a direct manner, so they are part of the team that establishes and ensures a positive relationship.

Our paradigm for success optimizes quality and removes inefficiencies by producing products using our own internal resources. This enables us to seamlessly integrate all facets of production, maintain quality control and ensure optimal performance.

By maintaining a lean, entrepreneurially-oriented management team, we are able to shorten the decision chain and provide highly focused proactive support, comprehensive product training and responsive technical assistance. We create a mutual communication stream that establishes trust through transparency and yields productive, timely implementation of any and all actions required to assist customers in meeting their unique challenges.





OssiMend®

Bone Graft Matrix & Conformable Putty
by Collagen Matrix

OssiMend® Bone Graft Matrix and Conformable Putty is a mineral-collagen composite matrix with enhanced handling characteristics. The principle components of OssiMend are anorganic bone mineral and type 1 collagen derived from bovine. The mineral particles are dispersed within collagen fibers forming a three dimensional open porous matrix consisting of about 55% bone mineral and 45% collagen.

Characteristics

- Osteoconductive
- Osteoinductive and Osteogenic in Conjunction with Autogenous Bone Marrow
- 55% Bone Mineral and 45% Collagen
- Packaged Sterile



MatrixCollect® 100 is a 100% DBM putty processed using CellRight® Technologies proprietary demineralization process. MatrixCollect 100 has been histologically proven, post-sterilization, to exhibit five elements of bone formation. MatrixCollect 100 does not contain any extrinsic carriers and is entirely derived from 100% allograft bone. MatrixCollect 100 is provided in a ready-to-use syringe or jar.

Characteristics

- Osteoconductive
- 5 Year Shelf Life
- 100% Bone-No Carrier
- Ambient Storage and Shipping
- Available in Syringe or Jar
- Packaged Sterile



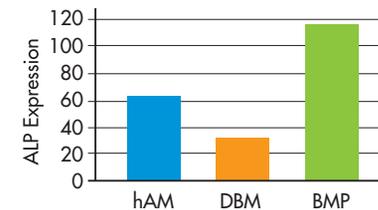
ACELLULAR ALLOGRAFT AMNIOTIC MEMBRANE
by ITT

Aril® is a room temperature stable allograft derived from human placental tissue collected from consenting donors. Aril is configured as a precision cut, single layer of amnion shaped as an ellipse or disc. The configuration was selected and designed to maximize clinical usable surface area and limit necessary pre-operative manipulation of the graft. The company has shown a greater than 95% reduction in DNA using their proprietary decellularization process.

Characteristics

- Osteoconductive
- Osteoinductive
- No Refrigeration Necessary
- Easy to Handle
- Packaged Sterile

Comparative Osteoinductivity of Human DBM versus Human Amniotic Membrane and rhBMP-2



The C2C12 *in vitro* model shows that human amniotic membrane (hAM) has greater bone regenerating capacity than demineralized bone matrix (DBM).

- Alkaline phosphatase (ALP) expression is used to determine relative osteoinductive potency
- Bone morphogenetic protein (BMP) is used as the positive control (most osteoinductive)

*Data on file at ITT



Cervical

PRECISION SPINE
SLIMPLICITY[®] PLUS
 ACDF SYSTEM



CE0086

The Slimplicity[®] PLUS Anterior Cervical Plate offers one of the slimmest plates available, with an easy-to-use locking mechanism that facilitates visual locking confirmation. Large graft windows have been incorporated to provide an unimpeded graft site and end plate visualization. To optimize bone purchase, a generous 20° screw angulation is provided. The large array of variable and fixed screw options accommodates semi-constrained, constrained and hybrid philosophies.

System Features:

- Low Profile Plate (2mm)
- 20° of Screw Angulation
- One Step Locking
- Aggressive Screw Tip

Sizing:

- 1, 2, 3 & 4 Level Plates
- Fixed & Variable Screws
- Diameters: 4.0 & 4.5mm
- Lengths: 12–18mm (2mm)

PRECISION SPINE
VAULT[®] C
 ACDF SYSTEM



The Vault[®] C (ACDF) is a zero profile, modular system featuring a titanium anterior cervical plate with an integrated, one step locking mechanism and a snap fit PEEK-OPTIMA[®]* spacer. The system is designed to restore sagittal profile while providing anterior column support to enhance the fusion process. A maximum screw trajectory of 42° allows for greater bone purchase and stability, and the system has both self-drilling and blunt-tip self-tapping screws. The Vault C offers a larger graft window with three available footprints and two lordotic options to easily accommodate varying anatomies.

System Features:

- 42° Screw Trajectory
- Large Graft Capacity
- One Step Integrated Locking

Sizing:

- 14x12, 16x14 and 18x15mm
- Heights: 6–12mm (1mm)
- Lordosis: 0 and 7 Degree
- Screws: 3.5 & 4.0mm

*PEEK-OPTIMA[®] polymer from Invibio[®]



Aggressive Screw Tip



20° Screw Angulation



Locking/Unlocking Tools



Large Graft Window



42° Screw Trajectory



Insertion Guides

REFORM®
 POCT
 SYSTEM

The Reform® POCT System is a comprehensive solution for fusion of the Occipital, Cervical and Thoracic regions of the spine. The system offers low profile, top loading polyaxial screws with friction fit heads, providing excellent angulation in all planes. In addition, a bias angle of 50° is achievable with every screw, allowing ease of rod insertion with minimal contouring. Screws are available in 3.5, 4.0 & 4.5mm diameters. Smooth shank screws are also available to accommodate C1 & C2 procedures. A comprehensive offering of offsets, dominoes, rod-to-rod and tulip-to-tulip cross connectors allows for greater intraoperative flexibility. Offering two styles of occipital plates with midline fixation points ensures optimal anatomical fit. The system allows for easier occipital cervical junction connection with its total freedom tulip design requiring less rod contouring.

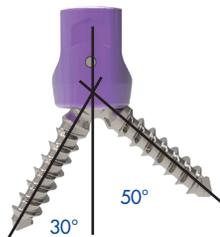


System Features:

- All Screws Have 50° Bias Angle
- Friction Fit Heads
- Smooth Shank Screws
- Comprehensive Instrumentation

Sizing:

- Screw Diameters: 3.5, 4.0 & 4.5mm
- 3.5 & 4.0mm, 8–30mm (2mm) & 35 & 40mm
- 4.5mm, 20–50mm (5mm)
- Occipital Plate Sizes: 25–35mm, 32–42mm, 40–50mm



Bias Angled Design



Multiple Connectors



Y Plate



A Plate



Reduction Tower



Adjustable Drill Guide



Lumbar

PRECISION SPINE
REFORM[®]
 PEDICLE SCREW SYSTEM

Reform[®] is a comprehensive pedicle screw system that is designed to meet the varying requirements of degenerative, trauma and deformity procedures. Reform features a cobalt chrome tulip, a titanium triple lead, proximally tapered thread and titanium and cobalt chrome rods to deliver strength, stability and efficiency to all thoracolumbar constructs. Reduction and uniplanar screw options, along with a full line of hooks, dominoes and offsets complete the system to simplify the procedure and accommodate individual patient anatomy.

System Features:

- Cobalt Chrome Tulip
- Triple Lead Thread
- Reduction Tulips
- Comprehensive Instrumentation

Sizing:

- Diameters: 4.5–10.5mm (1mm)
- Lengths: 25–80mm
- Lordotic Rods: 35–120mm
- Straight Rods: 80–120, 200 and 400mm



Reform Uniplanar Pedicle Screw restricts tulip motion in the medial/lateral direction. The AGP 360°, Rotational Tulip Technology, allows the surgeon to select the appropriate screw depth and not affect the alignment of the rod by fully rotating the tulip. Also available with reduction tulips.

Sizing:

- Diameters: 4.5, 5.5, 6.5 & 7.5mm
- Lengths: 25–60mm (5mm)



Reform Hydroxyapatite (HA) Coated Pedicle Screw System is designed to help facilitate osseointegration and improve screw stability in high risk fusion procedures. Specific sized taps are available to ease insertion.

Sizing:

- Diameters: 4.5–8.5mm (1mm)
- Lengths: 30–55mm (5mm)



Triple Lead Thread



Reduction Screws



Polyaxial Driver



Tower Reducer

PRECISION SPINE
REFORM®
MODULAR PEDICLE SCREW



The Reform® Modular Pedicle Screw System provides increased flexibility, versatility and visibility to meet the varying requirements of degenerative and trauma procedures. Reform Modular Pedicle Screw System features a cobalt chrome tulip and a titanium triple lead proximally tapered thread to deliver strength, stability and efficiency to all thoracolumbar constructs. Modular tulips are available in standard and reduction configurations. Testing shows that the Reform Modular intraoperatively assembled construct has a pull off strength as strong as a Reform preassembled screw providing optimal security.

System Features:

- Cobalt Chrome Tulip
- Triple Lead Thread
- Audible Click Attachment
- Consistent Insertion Force
- Intuitive Instrumentation

Sizing:

- Diameters: 4.5–9.5mm (1mm)
- Lengths: 25–80mm
- Lordotic Rods: 35–120mm
- Straight Rods: 80–120, 200 & 400mm

PRECISION SPINE
REFORM®Ti
TITANIUM PEDICLE SCREW SYSTEM



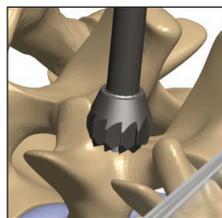
The Reform® Ti Pedicle Screw System provides spine surgeons with increased flexibility, versatility and visibility to meet the varying challenges and requirements of degenerative and trauma procedures. The Reform Ti Pedicle Screw System also features a titanium tulip and triple lead thread to deliver strength, stability and efficiency to all thoracolumbar constructs. A more aggressive, self-starting thread tip and a T25 drive feature allow for more immediate bone engagement, reliable insertion and maximum control during insertion.

System Features:

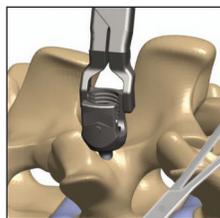
- Low Profile Titanium Tulip
- Triple Lead Thread
- Self-Starting Thread Tip
- Reduced Proximal Taper
- T25 Drive Feature

Sizing:

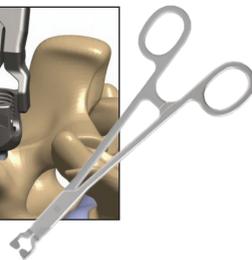
- Diameters: 4.5–9.5mm (1mm)
- Lengths: 25–80mm
- Lordotic Rods: 35–120mm
- Straight Rods: 80–120, 200 & 400mm



Bone Planar



Tulip Inserter



Screw Inserter



Titanium Tulip



Aggressive Screw Tip



T25 Drive Feature



Polyaxial Screw Inserter



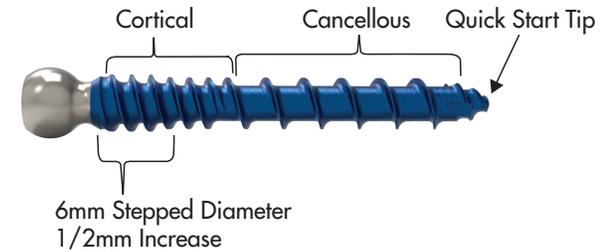
Lumbar

PRECISION SPINE REFORM[®] MC MIDLINE CORTICAL SCREW SYSTEM

The Reform[®] MC Posterior Lumbar Fusion System utilizes a minimally disruptive approach designed to reduce muscle retraction laterally past the facet joint. This approach requires a smaller incision while maintaining direct visualization and access to the disc space. Reform MC's medial to lateral trajectory, combined with a cortical cancellous screw thread design, achieves greater cortical bone purchase. Reform MC features a modular screw design to maximize visualization and a low profile, cobalt chrome, tulip to conserve space without compromising strength.



Tri-zone Thread Form



System Features:

- Cortical Cancellous Thread Form with Quick Start Tip
- Dual Lead Threads
- 4.75 & 5.5mm Modular Tulips
- Tri-zone Thread Form
- Retractor with 30° Articulating Arms

Sizing:

- Diameters: 4.5, 5.0, 5.5, 6.5, 7.5, 8.5 & 9.5mm
- Lengths: 25–80mm (5mm)
- CoCr Lordotic Rods: 35–80mm (5mm), 90–120mm (10mm)
- CoCr Straight Rods: 200 & 400mm



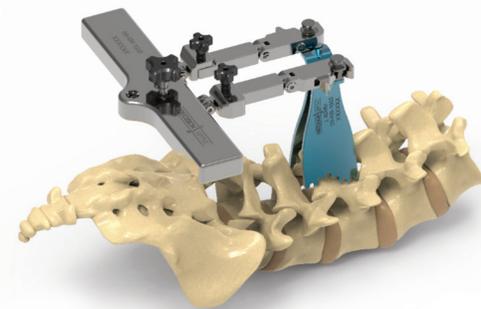
4.75 & 5.5mm Modular Heads



Anatomical Blades



Screw Inserter



PRECISION SPINE
SURELOK™ MIS 3L
 PERCUTANEOUS SCREW SYSTEM

The SureLOK™ MIS 3L is a low profile, percutaneous screw system. It features an extended tab tulip with 20mm of controlled rod reduction and a triple lead, proximally tapered thread that greatly enhances screw delivery. This reduces fatigue and minimizes operative time without compromising screw purchase. The open tulip design, 30° of rod angulation and rod tip ease rod insertion. The system also offers multiple rod insertion options, as well as a protective sleeve, to allow for aggressive tulip manipulation. An internal rod reduction mechanism and compression and distraction tubes complete the system.

System Features:

- 150mm Extended Tab
- 20mm of Controlled Reduction
- Triple Lead Thread
- Aggressive Screw Tip

Sizing:

- Diameters: 5.5–8.5mm (1mm)
- Lengths: 35-55mm
- Lordotic Rods: 35–110mm
- Straight Rods: 80, 100, 120, 200 & 400mm



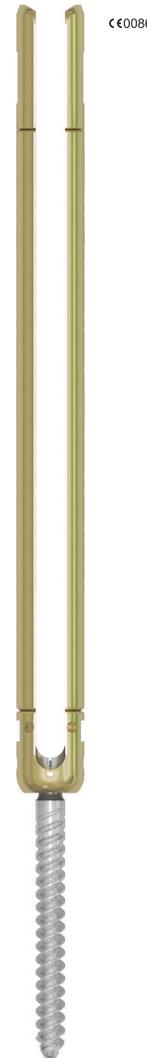
Triple Lead Thread



Multiple Style Rod Inserters



Aggressive Screw Tip



Compressor/Distractor



Internal Rod Reduction



Lateral

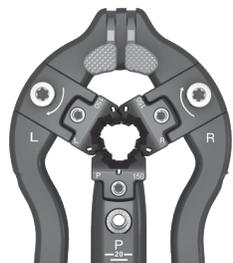
MD-Vue™

PRECISION SPINE
LATERAL ACCESS SYSTEM

The MD-Vue™ Lateral Access System was designed in collaboration with top lateral spine surgeons and represents many years of lateral procedure experience. MD-Vue is the only lateral retractor that offers a unique and patented Nested 3-Blade Design which prevents blade creep during insertion. MD-Vue also incorporates a larger blade diameter for increased surface area contact, which minimizes the pressure on neural structures during retraction. In addition, MD-Vue features an industry leading integrated, adjustable dual light source, as well as infinite retraction resolution. An improved rotary retraction mechanism provides optimal control and tactile response during retraction.

System Features:

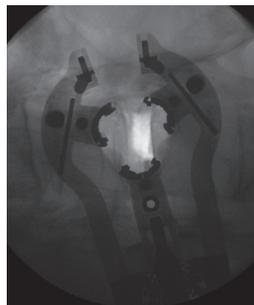
- Patented Nested 3-Blade Design
- Radiolucent Retractor
- Optional 4th Blade
- Infinite Cranial/Caudal Resolution
- 20° Blade Angulation



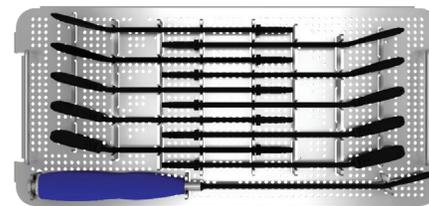
Nested Blade Design



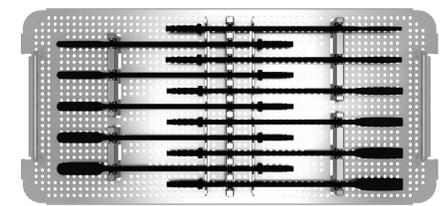
20° Blade Angulation



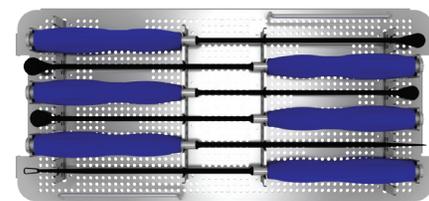
Radiolucent Retractor



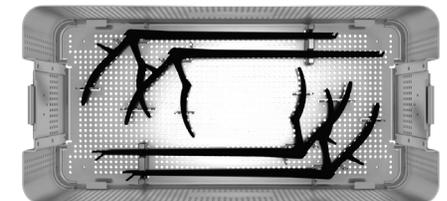
Angled Instruments



Distractors & Shavers



Cobbs & Curettes



Rongeurs & Kerrisons

PRECISION SPINE
SHURFIT®
 LLIF CAGES



The ShurFit® LLIF Interbody Cage is a minimally invasive, self-distracting vertebral body replacement system featuring a complete line of disc prep instruments and multiple retraction options that allow for optimal access and unrestricted visibility. The PEEK-OPTIMA®* interbody design provides five footprints with a 0° or 7° lordotic angle to assist in reproducing the patient's sagittal profile while providing anterior column support. The LLIF Cage incorporates an aggressive tooth pattern and a central strut to provide an overall stable platform, while the large graft windows promote fusion.

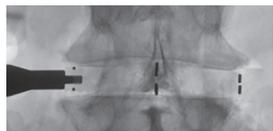
System Features:

- Self-Distracting, Bulleted Nose
- Cage/Plate Placement Guide
- Large Graft Window
- Aggressive Tooth Pattern

Sizing:

- Widths: 18 & 22mm
- Lengths: 45–60mm (5mm)
- Heights: 8–16mm (2mm)
- Lordosis: 0 & 7 Degrees

*PEEK-OPTIMA® polymer from Invibio®



Tantalum Markers



Bulleted Leading Edge



LLIF Inserter

PRECISION SPINE
AccuFIT®
 LATERAL PLATE SYSTEM



The AccuFit® Lateral Plate System is a low profile plate designed to facilitate anatomical fit and protect surrounding vascular structures. The AccuFit Plate provides 4 points of fixation and features an intuitive one step locking system that provides visual locking confirmation. Variable screws in 5.5 and 6.5mm sizes are offered to accommodate surgical preferences. The system includes instrumentation which assists in the surgical implantation of the device. The variable angle screw design compressively loads the graft to help promote fusion. The system offers a wide variety of footprints to meet varying patient anatomy and to optimize endplate contact.

System Features:

- Low Profile Design
- One Step Locking
- 15° Screw Angulation

Sizing:

- Plate Lengths: 30–38mm (2mm)
- Screw Diameters: 5.5 & 6.5mm
- Screw Lengths: 30–60mm

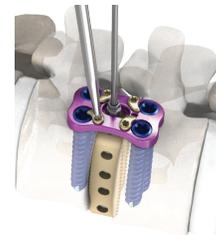


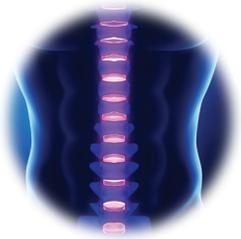
Plate Positioning System



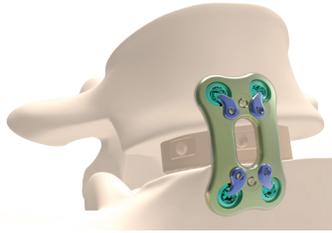
Low Profile Design



Locking Screw Inserter



Anterior Lumbar



©E0086

The AccuFit® ALIF Plate System is a lumbosacral fixation system offering two low profile plate designs to facilitate anatomical fit and protect surrounding vascular structures. The AccuFit Plate features an intuitive one step locking system that provides visual locking confirmation and a large graft window for extensive visibility to the endplates, as well as the interbody spacer.

System Features:

- Pre-lordosed Plates
- Low Profile Design
- Large Graft Window
- One Step Locking

Sizing:

- Plate Lengths: 21, 23, 25 & 27mm
- Screw Diameters: 5.0 & 5.5mm
- Screw Lengths: 25, 30 & 35mm



©E0086

The RCS® Anterior Buttress Plate System's low profile design offers two footprints with two posterior cleats to prevent interbody device back out and to optimize construct stability. The plates are pre-lordosed to fit snugly across the disc space.

System Features:

- Pre-lordosed Plates
- Low Profile Design
- Two Posterior Cleats

Sizing:

- Width: 25.6mm
- Heights: 25 & 30mm
- Screw Lengths: 20–35mm



©E0086

The ShurFit® ALIF Interbody Cage is designed for Anterior Lumbar Interbody Fusion. The ShurFit design offers a large contact area, optimizing vertebral body support while minimizing risk of subsidence. The large graft window allows for maximum biological coverage area, enhancing the opportunity for successful fusion. Simple instrumentation offers ease of implantation for surgeons, while the unique tooth pattern geometry minimizes the potential for expulsion. The PEEK-OPTIMA®* ShurFit Interbody Cage is available in multiple sizes to accommodate varying anatomies and permit optimal patient matching.

System Features:

- Self-distracting, Bulleted Nose
- Cage/Plate Placement Guide
- Large Graft Window
- Aggressive Tooth Pattern

Sizing:

- Widths: 26, 32 & 39mm
- Heights: 9–21mm (2mm)
- Lordosis: 8 & 15 Degrees

*PEEK-OPTIMA® polymer from Invibio®

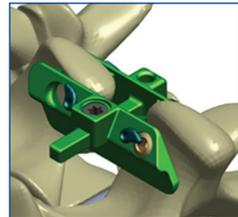


8° Lordosis



15° Lordosis

PRECISION SPINE
RELI™ SP PLUS
SPINOUS PLATING SYSTEM



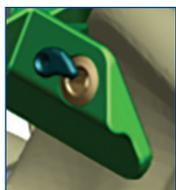
The Reli™ SP PLUS Spinous Plating System is a two piece design with pyramidal cleats to increase spinal process fixation. The system also includes adjunct screw fixation to maintain construct stability. An All-in-One Insertion/Compression Guide allows for a minimally disruptive technique and supports both a spinous ligament retention or sacrificing technique. The system features four plate sizes to take into account varying patient pathology and to optimize construct stability.

System Features:

- Adjunct Screw Fixation
- Two-piece Design
- Pyramidal Cleats
- All-in-One Guide

Sizing:

- Plate Sizes: 28, 35, 45 & 55mm
- Screw Diameter: 4.0 & 4.5mm
- Screw Lengths: 10–16mm (2mm)



Screw Fixation



Pyramidal Cleats



All-in-One Guide

PRECISION SPINE
VAULT®
ALIF SYSTEM



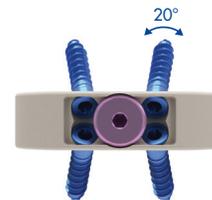
Vault® is a zero profile ALIF system offering midline screw placement to enable easier access, reduced retraction of the neural elements and precise screw placement. The modular plate and cage construct offers two footprints with 8° and 15° lordotic angles to assist in reproducing the patient's sagittal profile while providing anterior column support. The system features four points of divergent, lag screw fixation to allow for compression of the interbody along with a large bone graft window to promote fusion.

System Features:

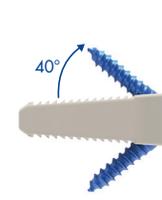
- Midline Screw Placement
- 10° Divergent Angulation
- 40° Screw Angulation
- Large Bone Graft Window

Sizing:

- Widths: 32 & 39mm
- Heights: 11–19mm (2mm)
- Depth: 29 & 33mm
- Lordosis: 8 & 15 Degrees



Midline Screw Placement



40° Screw Angle



Drill & Screw Guide



Interbody



The ShurFit® ACIF 2C combines a high strength PEEK-OPTIMA® core with a unique, dual layer of Ti Plasma Spray and HA Coating to form a Tri-Bond lock with the bone-coating-implant interface. A high temperature, molten particle acceleration technique is used to plasma-spray the titanium coating to the implant. This process provides a mechanical bond that, when tested, showed an average shear strength 50% higher than the ASTM requirements. The implant then receives an outer coating of osteoconductive hydroxyapatite, providing an optimal environment for osseointegration. The dual coating promotes rapid bone formation, which offers implant stability, less potential for implant migration and the formation of a stable fusion mass.

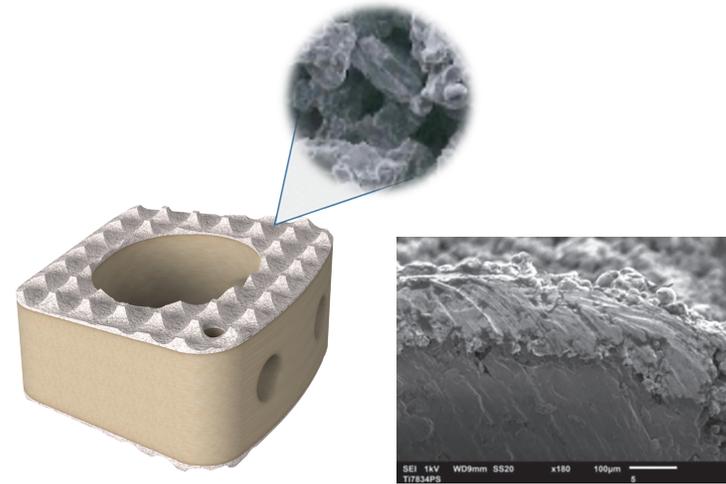
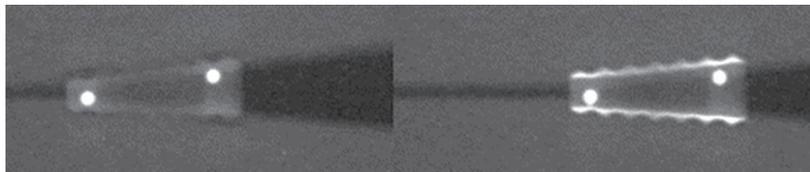
System Features:

- Ti Plasma Coated Surface
- Hydroxyapatite (HA) Coating
- Increased Expulsion Resistance
- Tri-Bond Lock Technology
- Enhanced Imaging Properties

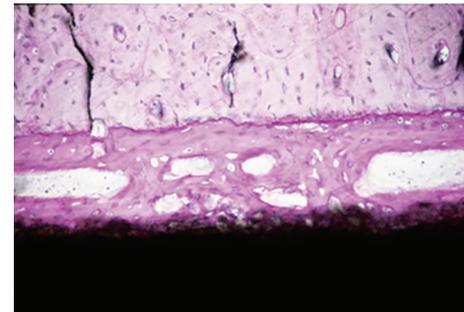
System Sizing:

- Footprints: 14x12mm & 16x14mm
- Heights: 5–12mm (1mm)
- Lordosis: 5 & 10 Degrees

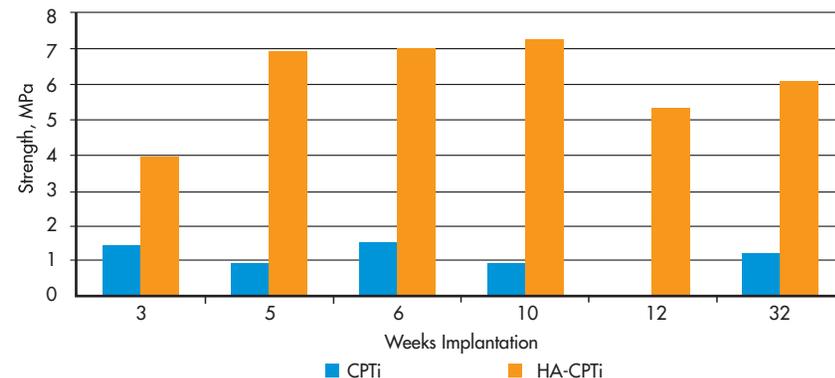
*PEEK-OPTIMA® polymer from Invibio®



HA-CP Titanium



Interface Attachment Strength



PRECISION SPINE
SHURFIT®
INTERBODY CAGES



The ShurFit® family of interbody cages includes designs for TLIF, PLIF and T-PLIF procedures. The implant designs offer a large contact area optimizing vertebral body support while minimizing the risk of subsidence. The large graft windows allow for a maximum biological coverage area enhancing the opportunity for successful fusion. The tapered leading edge eases implant insertion while the unique tooth pattern geometry minimizes the potential for expulsion. The tantalum marker placement allows for optimal radiographic visualization of implant placement. The PEEK-OPTIMA®* ShurFit cages are available in multiple footprints and sizes to accommodate varying patient anatomies and optimal patient matching.

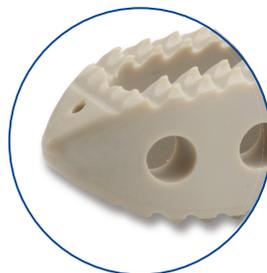
*PEEK-OPTIMA® polymer from Invivo®



Large Graft Window



Aggressive Tooth Pattern



Tapered Leading Edge

PLIF Sizing:

- Width: 10mm
- Lengths: 22 & 25mm
- Heights: 8–16mm (1mm)
- Lordosis: 5, 10 & 15mm Degrees
- Convex



TLIF Sizing:

- Width: 9mm
- Lengths: 24 & 30mm
- Heights: 6–16mm (2mm)
- Lordosis: Parallel



T-PLIF Sizing:

- Width: 10mm
- Lengths: 25–35mm (5mm)
- Heights: 8–14mm (2mm)
- Lordosis: 5, 10 & 15 Degrees
- Parallel & Convex



Discover the Difference



Caution: Federal (USA) law restricts these devices to sale by or on the order of a physician.
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