

2019 Brazil Spine Catalog



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Surgical Intelligence

Full Portfolio

iGA

NVM₅

ET Tube

I-PAS

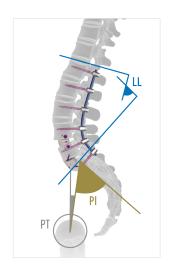
Integrated Global Alignment (iGA)

Integrated Global Alignment (iGA) is a platform of procedurally based technologies, designed to increase the predictability of achieving global alignment in all spinal procedures.

External Messages

Integration across the surgical workflow allows the surgeon to confidently and reproducibly:

- Calculate alignment parameters with preoperative planning tools
- Correct the anterior and posterior column with procedural solutions with industry's only real-time intraoperative assessment
- Confirm the restoration and preservation of global alignment postoperatively



NVM₅

NVM5 combines intraoperative neuromonitoring (IOM) and computer-assisted surgery (CAS) technologies into one platform, specifically designed to support the requirements of spine surgery.

External Messages

- Get real-time intraoperative assessment of spinal parameters and comparison to original surgical plan
- Color-coded sagittal alignment assessments displayed on NVM5 through intra-op comparison between lumbar lordosis and pelvic incidence measurements at various stages of surgery



 Designed to help surgeons determine how much correction has been achieved and if any adjustments are needed prior to closing

ET Tube

The NuVasive ET Tube is an endotracheal tube designed to provide efficient airway management with integrated EMG monitoring of the recurrent laryngeal nerve (RLN).

External Messages

- Intraoperative monitoring for functional integrity of the RLN
- Optimized placement of low-profile electrodes on vocal cords for EMG monitoring and detection of potential iatrogenic nerve injury



I-PAS

I-PAS III (Insulated Pedicle Access III) is a Jamshidi needle with integrated NVM5 which enables proactive stimulated EMG monitoring, which helps the surgeon to accurately, reproducibly, and efficiently place pedicle screws, especially in minimally invasive techniques.

- Dynamic EMG and reliable insulation to help prevent pedicle breach
- Improved OR efficiency with integrated depth gauge and integrated EMG



Anterior Thoracolumbar Procedures

Full Portfolio

XLIF

XLIF Access System (MaXcess)

CoRoent XL

XLIF ACR with CoRoent XL-H

XLIF Corpectomy with X-CORE 2

XLIF Decade Plate

XLIF Traverse Plate

ALIF

Supine ALIF Access System

Brigade Standalone

ALIF ACR with

Brigade Hyperlordotic

XLIF Portfolio

XLIF Access System (Maxcess)

MaXcess is a lateral access system designed for L4-L5 and above that offers customizable access, while decreasing unnecessary tissue retraction through a split-blade retractor design.

External Messages

- Designed with streamlined NVM5 integration through the posterior blade electrode
- Designed for strength and durability through a fully stainless steel design
- Light source that integrate into the blades allows surgeons to operate safely under direct visualization



CoRoent XL (XL, XL-W, XL-XW, XL-F, XL-FW, XL-H, XL-T, XL-CT)

CoRoent is a family of PEEK interbody implants designed to be placed into the disc space from a lateral or posterior approach to accommodate a variety of surgical techniques and implant placements. CoRoent XL interbody implants, part of the CoRoent family, are PEEK implants designed specifically for the XLIF procedure.

- Enables surgeons to treat numerous pathologies through unique implant geometries
- Designed to span the apophyseal ring through large footprint sizes delivered from an XLIF approach







XLIF ACR with CoRoent XL-H

XLIF ACR (anterior column realignment) is a surgical procedure that builds upon XLIF by releasing the ALL to help restore lumbar lordosis and sagittal alignment. CoRoent XL-H is a hyperlordotic interbody implant designed to be used in the XLIF ACR surgical procedure.

External Messages

 Designed to achieve greater lordosis and sagittal alignment through 20° and 30° hyperlordotic footprints



XLIF Corpectomy with X-CORE 2

XLIF Corpectomy is a surgical procedure that builds upon XLIF to treat tumor and trauma conditions by replacing the vertebral body with an X-CORE 2 implant. X-CORE 2 is a vertebral body replacement (VBR) device designed to be used in the XLIF Corpectomy surgical procedure.

- Large aperture and apophyseal ring coverage through XLIF style endcaps that may help with resistance to subsidence
- Ability to address lateral, posterior, and anterior approaches through 12 endcap orientations, 75+ endcap options, and 3 core diameters (16, 18 and 22mm), with heights ranging from 19mm to 128mm



XLIF Decade Plate

The XLIF Decade Plate is a lateral fixation plate designed specifically for the XLIF procedure, contoured for optimized placement via the MaXcess retractor.

External Messages

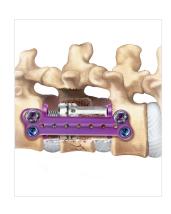
- Designed for precision fit to patient anatomy through translational and fixed plate designed
- Designed with two and four-hole fixation options to provide stability in multiple applications
- This system represents the pinnade in single-position, lateral, spinal stabilization and fusion



XI IF Traverse Plate

The Traverse anterior plating system integrates seamlessly with the XLIF corpectomy procedure, providing a comprehensive lateral access, single-approach option for anterior thoracolumbar reconstruction and fixation.

- NVM5-compatible instrumentation
- Multiple plating options
- Instrumentation designed for XLIF Corpectomy, as well as traditional exposures



ALIF Portfolio

Supine ALIF Access System

Supine ALIF is an access system designed to provide the surgeon with a clear approach to the lumbar spine that does not require muscle stripping as in posterior approaches. The dual-arm, table-mounted system is designed to offer both rigidity and radiolucency with versatile retractor blade designs.

External Messages

- Designed to meet different anatomical needs with multiple blade options:
 18-25mm widths; 60-220mm lengths in 20mm increments
- Allows for freedom of movement to match surgical needs through versatile ball joint that provides up to 30° of angulation



Brigade Standalone

Brigade is a standalone interbody implant with integrated fixation screws, designed to address anterior lumbar interbody fusion through a single approach.

- Ability to place four screws for maximum rigidity in even difficult access situations through a single-step, screw-to-implant locking mechanism
- Maximize protection and accommodate the various surrounding anatomies with innovative sheathed instruments and multiple driver options
- Four footprints and two lordotic options available for anatomically appropriate restoration
- 4.5mm and 5.5mm self-tapping, self-drilling screws
- Large unimpeded central apertures

ALIF ACR with Brigade Hyperlordotic

ALIF ACR is a surgical procedure that builds upon ALIF with the application of ACR principles to help restore lumbar lordosis and sagittal alignment. Brigade HL is a non-standalone hyperlordotic interbody implant designed to supplement the ALIF ACR surgical procedure, available in 20° and 30°.

- Designed to achieve greater lordosis and sagittal alignment in the lower levels of the lumbar spine through 20° and 30° hyperlordotic footprints
- Available in 34 and 38mm wide with 6, 8, and 10mm posterior heights and four-point fixation to optimize stability while requiring use of supplemental fixation



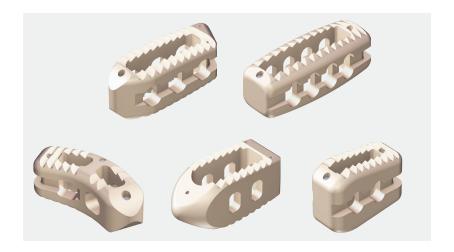
Posterior Thoracolumbar Procedures

Full Portfolio

CoRoent

CoRoent (LI,LO,LC,LT,LW)

CoRoent is a family of PEEK implants designed to accommodate a variety of surgical techniques and implant placements. They are used to achieve the common objectives of restoring proper sagittal balance, height restoration, vertebral column support, and ultimately fusion.



- Available in a wide variety of footprint options and lordotic angles
- Optimized support and surface area contact through implant geometry and surface texturing
- Versatile anterior, oblique, or bilateral interbody placement
- Patented Insert and Rotate Technique simplifies placement, provides distraction, and helps restore lordosis
- Radiodense bars provide easy-to-interpret placement and orientation verification



Thoracolumbar Fixation

Full Portfolio

Reline MAS

Armada

SpherX II

SpherX DBR II

Reline MAS

Reline MAS reproducibly and efficiently treats spinal pathologies ranging from simple degenerative to complex deformity procedures.

External Messages

- Powerful reduction capabilities
- Optimized instrument and implant rod passing solutions
- Flexible approach to both rod and spondylolisthesis reduction
- Effective compression and distraction options
- Streamlined instrumentation designed to reduce surgical steps
- Reduction instruments are designed with intuitive indicators to provide reliable confirmation



Armada

Armada is a open pedicle screw system designed for degenerative and deformity surgeries.

- Rod portfolio offers multiple materials in a 5.5mm diameter
- A wide range of corrective techniques can be achieved through instrumentation, including the versatile multi-use reduction and derotation device
- Double lead screw shank advances with half the turns of a single lead design
- Helical flange locking technology
- System is fully NVM5 compatible during multiple phases of the procedure to help monitor passage during pedicle preparation and screw insertion



SpherX II

SpheRx is an open pedicle screw fixation system designed to address thoracolumbar spinal pathologies with multiple rod designs, polyaxial screws, and more.

External Messages

- Multiple patented rod designs with spherical end or conventional rod option
- Polyaxial Screws with 60° of screw-head angulation and non-cannulated shank
- Designed to reduce rod overhang at the superior end of the construct
- System is fully NVM5 compatible during multiple phases of the procedure to help monitor passage during pedicle preparation and screw insertion



SpherX DBR II

SpheRx DBR II is a Dual Ball Rod fixation system designed to address thoracolumbar spinal pathologies with versatility and efficiency.

External Messages

- Dual Ball Rod delivery technique is designed deliver the rod directly into the screw heads, allow for Instrument-free compression, and zero-profile rod overhang
- Single Ball Rod delivery technique helps provide minimal incision requirements, simple and reproducible rod insertion, and zero-profile rod overhang

 System is fully NVM5 compatible during multiple phases of the procedure to help monitor passage during pedicle preparation and screw insertion



Cervicothoracic

Full Portfolio

CoRoent Small X-Core Mini

CoRoent Small Interlock VuePoint I and II

CoRoent Small MaXcess-C

Interlock Hyperlordotic

CoRoent Small Contoured Helix ACP

CoRoent Small

CoRoent is a family of PEEK interbody implants designed to accommodate a variety of surgical techniques and implant placements. CoRoent Small, part of the CoRoent family, has been designed specifically for anterior cervical surgery procedures, and is available in a variety of shapes and sizes.

External Messages

- Accommodates various surgical situations through a wide variety of implant options
- Maximum visibility and ease of use achieved through color-coded, low-profile trials
- 0 and 5° of lordosis to help restore sagittal alignment



CoRoent Small Interlock

CoRoent Small Interlock is a interbody implant with integrated fixation screws designed to simplify ACDF surgery, maximize visibility and versatility, and minimize exposure.

- Designed to provide bony on-growth benefits, while maintaining stiffness and fluoro visibility of traditional PEEK
- Large fusion aperture to allow ample space for autograft and the formation of a large fusion column
- 17 x 14 footprint and 7° of lordosis to help restore sagittal alignment
- Zero step locking mechanism circumferential (360°) PEEK locking ledge requires no additional steps to lock screw in place.



CoRoent Small Interlock Hyperlordotic

The NuVasive CoRoent Small Interlock Hyperlordotic System has been designed to complement the Cervical ACR portfolio with a zero-profile, interfixated solution for both degenerative ACDFs and sagittal correction deformities.

External Messages

- Patient-specific lordotic offerings of 10°, 15°, and 20° to maintain and restore sagittal alignment
- Large 17x14mm footprint with a generous aperture for bony fusion



CoRoent Small Contoured

CoRoent Small Contoured, part of the CoRoent Small family of cervicothoracic interbodies, has been designed specifically to fit the natural shape of the disc space in anterior cervical surgery procedures.

- Anatomically shaped with domed superior surface that mimics the inferior aspect of the superior vertebral body
- 7° of lordosis to help restore sagittal alignment
- Maximized fusion aperture that allows for ample space for autograft
- · Available in variety of footprints



X-Core Mini

X-CORE Mini is an expandable cervical vertebral body replacement (VBR) system that allows surgeons to remove part or all of the diseased vertebral body and replace them with a single strut.

External Messages

- Designed to treat varying patient anatomy through multiple shapes and footprints
- Quick expansion through double lead threads



VuePoint Land II

VuePoint I and II are first and second generation occipital-cervical-thoracic (OCT) fixation systems designed to address simple to complex deformity pathologies.

- Designed to address difficult transition zones and pass smoothly through the cervicothoracic junction with advanced instrumentation
- Low-profile multi axial, favored-angle and partially threaded screws included



MaXcess C

MaXcess-C is a cervical access system that allows surgeons to expose only what is necessary for a complete ACDF procedure.

External Messages

- Reduced pressure required on surrounding tissue through table fixation
- Additional level of visibility when working in challenging exposures through integrated light source



Helix ACP (Helix, Helix Mini)

The Helix ACP systems are designed to elevate functionality, simplicity, and surgical options in anterior cervical surgery procedures.

- Helix has options up to four levels and is indicated for fractures
- Helix Mini is a two-level option
- Low-profile to reduce discomfort postoperatively
- Canted Coil Lock (CCL) consistently
 and securely blocks bone screws into the plate while still allowing the
 plate to be securely lagged to bone for a tight fit
- Helix Mini is bendable without compromising the locking mechanism
- As a revision plate, Helix Mini can be positioned midline, in-between existing screw holes





Biologics

Full Portfolio

AttraX Biotextured Bone Graft Substitute

AttraX Biotextured Bone Graft Substitute

AttraX is a biotextured bone graft substitute whose unique ceramic granules and biotextured surface structure facilitate three-dimensional regeneration of bone in the defect site into which AttraX is implanted. The implant resorbs and is replaced by bone during the natural process of bone remodeling.



External Messages

 Cohesion between granules and ability to mold into specific shapes through premixed resorbable carrier properties.

Supporting Data

- Consists of granules composed of 90% beta tri-calcium phosphate (β-TCP) and 10% hydroxyapatite (HA) premixed with a resorbable collagen carrier for cohesion between the granules
- Novel biotextured surface texture provides an instructive environment for mesenchymal stem cells (MSCs) to differentiate into bone forming osteoblasts without added growth factors

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