### Thoracolumbar Solutions



# Anterior Lumbar Solutions

Your Entire Procedure Covered





### **Access**

#### **Zimmer Biomet Anterior Retractor**

- Two-point fixation
- Secure blade connection
- Tactile adjustment of blade angulation
- Fixed or rotating blade engagement
- · Low-profile user-centered design
- Blades ranging from 60 to 200 mm in length
- Blade widths of 25 and 50 mm



# **Biologics Solutions**

#### **PrimaGen Advanced™ Allograft**

- Developed to overcome the limitations of other bone graft substitutes
- Designed to offer a real alternative to autograft
- Contains at least 750,000 cells/cc of cancellous tissue with at least 70% cell viability<sup>1</sup>
- Fiber based bone matrix for convenience and improved handling<sup>‡</sup>



#### InterGro® DBM

InterGro DBM is a verified, osteoinductive, and demineralized bone matrix in a natural lecithin carrier, and is available as:

- DBM Putty 40% DBM content by weight
- DBM Paste 35% DBM content by weight
- DBM Plus 35% DBM content by weight and premixed resorbable coralline hydroxyapatite/ calcium carbonate granules



# **Interbody**

#### TrellOss®-A SA Porous Ti Interbody System

- Anatomically matched profile
- Ample graft window balanced with lattice landscape
- Self-tapping screws designed with tip-to-tail thread pattern
- · Integrated one-step turn lock feature
- Optimized location of screw pockets to allow for consistent bone purchase

#### A New Foundation for Growth

- Scaffolding structure provides additional surface area<sup>2,3</sup>
- 7 micron surface texturing creates an environment for potential cellular adhesion<sup>2,3,4</sup>
- Open architecture with 70% porosity including varying pore sizes of 300, 500, and 700 microns that mimic cancellous bone allowing for a conducive environment for cellular activity<sup>5,6,7,8</sup>









SEM image of TrellOss Surface at 50x magnification

SEM image of TrellOss Surface at 100x magnification

SEM image of TrellOss Surface at 450x magnification

#### **ROI-A® ALIF Cage**

- Innovative VerteBRIDGE® plating technology to deliver integrated fixation in the same plane as the disc space
- · Multiple footprints, lordosis, and heights for optimized fit
- PEEK-OPTIMA® material for biocompatibility and radiolucency
  - -Tantulum markers for verification of cage positioning
  - -Self-guided, self-locking plating system





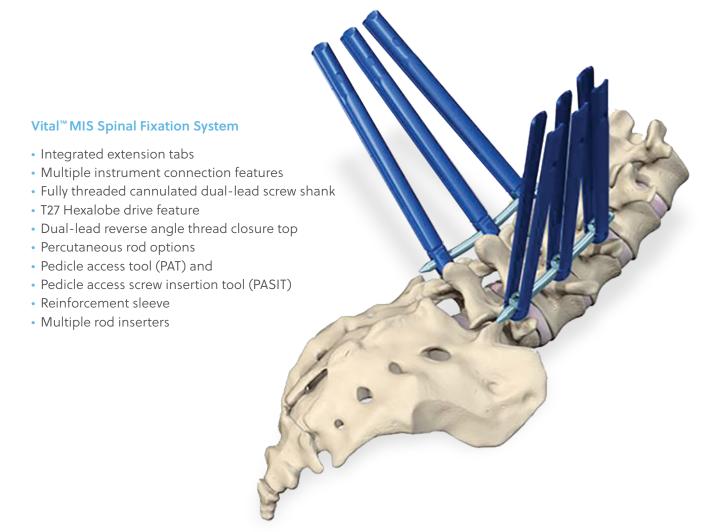


## **Fixation**

#### **Epic™ Anterior Thoracolumbar Plate**

- Strong, low-profile plate
- · Lumbar and sacral plate options
- Single-step cover plate
- Fixed and variable screw angles
- Unique screw thread design for excellent bone-screw fixation
- 18° conical range of screw insertion angles
- Simple, intuitive instrumentation





#### References

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- 3. Olivares-Navarrete R, Hyzy SL, Gittens RA, et al. Rough titanium alloys regulate osteoblast production of angiogenic factors. Spine J 2013;13(11):1563–70.

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- 8. McGilvray KC, Easley J, Seim HB, et al. Bony ingrowth potential of 3D-printed porous titanium alloy: a direct comparison of interbody cage materials in an in vivo ovine lumbar fusion model. Spine J 2018;18(7):1250-1260.
- ‡ Data on file.

#### For more information, visit ZimVie.com

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