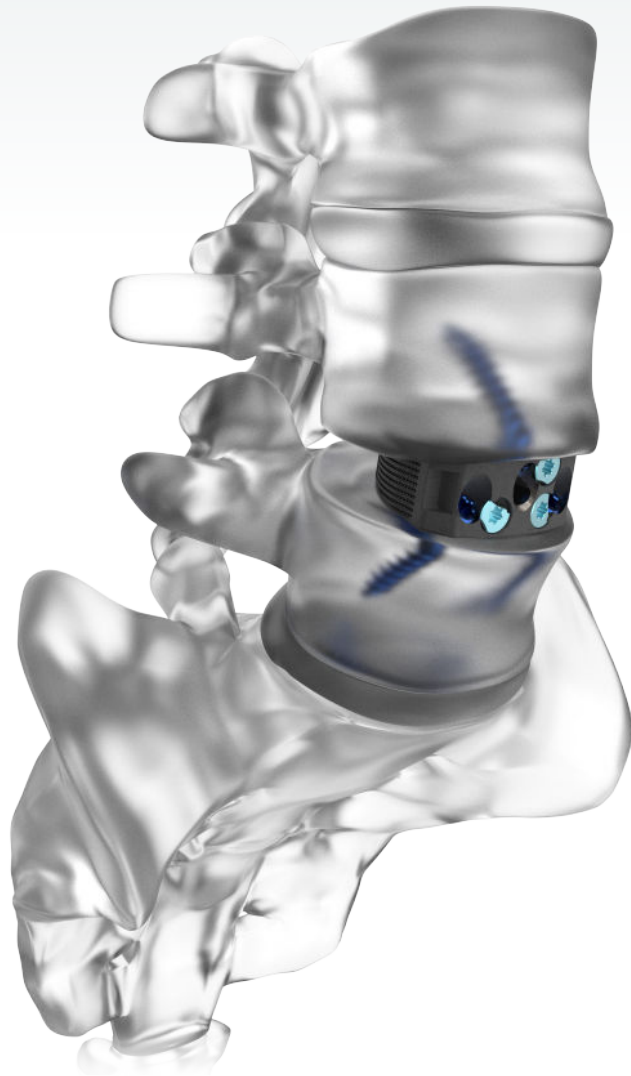




Thoracolumbar Solutions



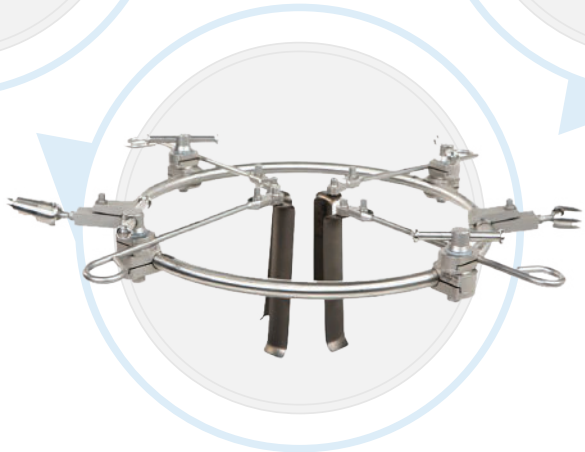
Anterior Lumbar Solutions

Your Entire
Procedure
Covered

 **ZimVie**



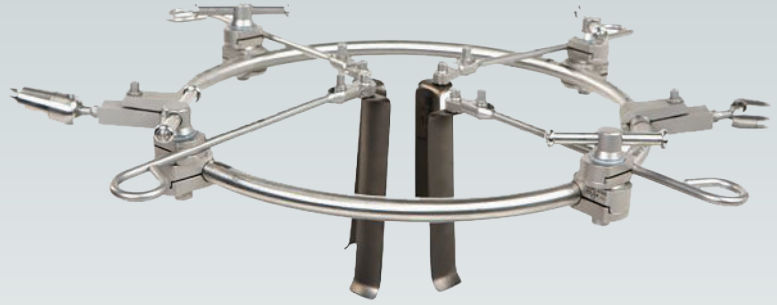
The ALIF Solution



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 viability¹
- Fiber based bone matrix for convenience and improved handling[†]



InterGro® DBM

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

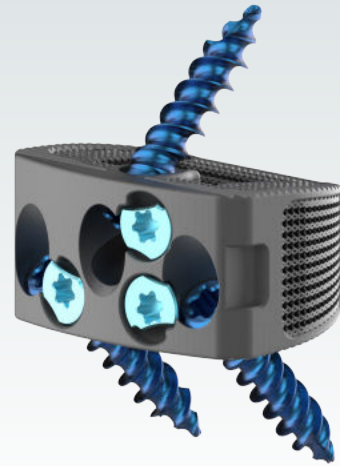
- DBM Putty – 40% DBM content by weight
- DBM Paste – 35% DBM content by weight
- DBM Plus – 35% DBM content by weight and premixed resorbable coralline hydroxyapatite/calcium carbonate granules



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

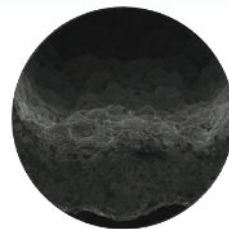


A New Foundation for Growth

- Scaffolding structure provides additional surface area^{2,3}
- 7 micron surface texturing creates an environment for potential cellular adhesion^{2,3,4}
- 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^{5,6,7,8}



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
 - Tantalum markers for verification of cage positioning
 - Self-guided, self-locking plating system



Plate Lengths

20mm 24mm 27mm

Fixation

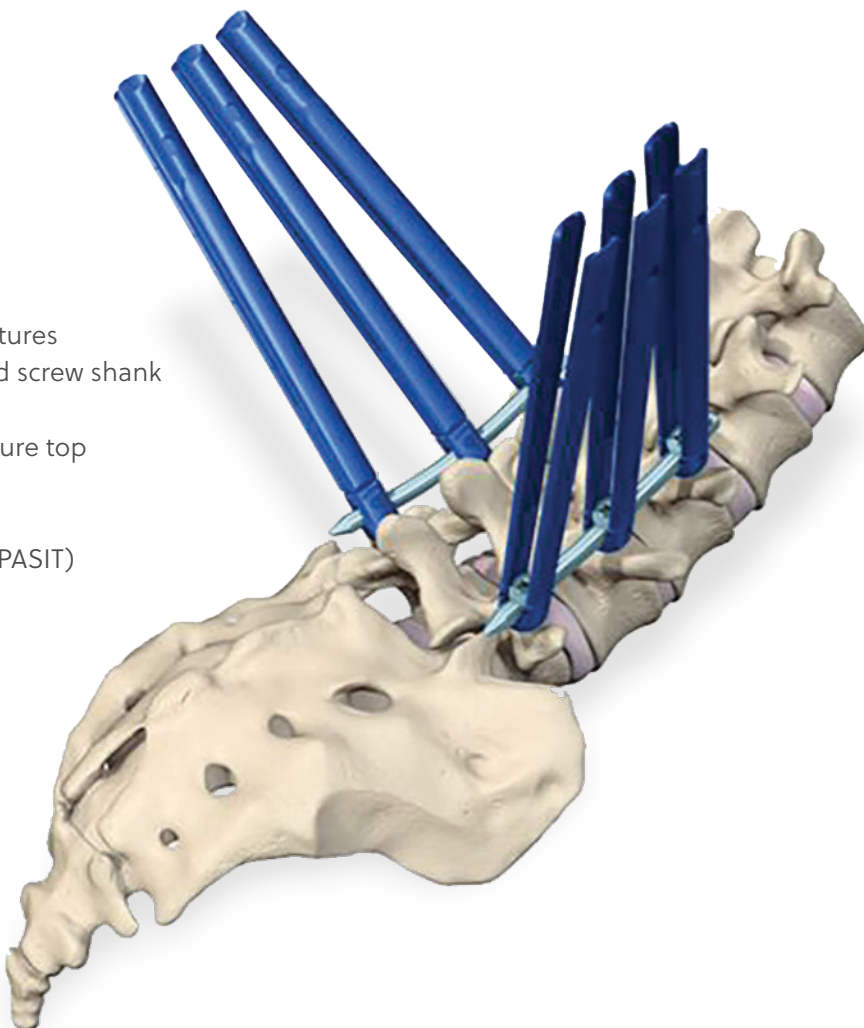
Epic™ Anterior Thoracolumbar Plate

- 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



Vital™ MIS Spinal Fixation System

- Integrated extension tabs
- Multiple instrument connection features
- Fully threaded cannulated dual-lead screw shank
- T27 Hexalobe drive feature
- Dual-lead reverse angle thread closure top
- Percutaneous rod options
- Pedicle access tool (PAT) and
- Pedicle access screw insertion tool (PASIT)
- Reinforcement sleeve
- Multiple rod inserters



References

1. Feighan, J.E., Goldberg, V.M., Davy, D., Parr, J.A., Stevenson, S. The Influence of Surface Blasting on the Incorporation of Titanium-Alloy Implants in a Rabbit Intramedullary Model, *The Journal of Bone and Joint Surgery* 77.9 (1995): 1380-96. Web.
2. Olivares-Navarrete R, Hyzy SL, Slosar PJ et al. Implant materials generate different peri-implant inflammatory factors: poly-ether-ether-ketone promotes fibrosis and microtextured titanium promotes osteogenic factors. *Spine* 2015;40(6):399–404.
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.
4. Rao PJ, Pelletier MH, Walsh WR, et al. Spine Interbody Implants: Material Selection and Modification, Functionalization and Bioactivation of Surfaces to Improve Osseointegration. *Orthop Surg* 2014;6:81–89.
5. Ponader S, von Wilmowsky C, Widenmayer M, et al. In vivo performance of selective electron beam-melted ti-6al-4v structures. *J Biomed Mater Res A* 2010;92A:56–62.
6. Li JP, Habibovic P, et al.: Bone ingrowth in porous titanium implants produced by 3D fiber deposition. *Biomaterials* 2007;28:2810.
7. Karageorgiou V, Kaplan D. Porosity of 3D biomaterial scaffolds and osteogenesis. *Biomaterials* 2005;26(27):5474–91.
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](https://www.zimvie.com)

ZimVie
10225 Westmoor Drive
Westminster, CO 80021



All content herein is protected by copyright, trademarks and other intellectual property rights owned by or licensed to Zimmer Biomet Spine, Inc. (d/b/a ZimVie Inc.) or one of its affiliates unless otherwise indicated, and must not be redistributed, duplicated or disclosed, in whole or in part, without the express written consent of Zimmer Biomet Spine, Inc. (d/b/a ZimVie Inc.). This material is intended for health care professionals, the ZimVie Spine sales force, and authorized representatives. Distribution to any other recipient is prohibited.

For product information, including indications, contraindications, warnings, precautions, potential adverse effects, and patient counseling information, see the package insert and [ZimVie.com](https://www.zimvie.com). ZV0798 REV A 04/23 ©2023 ZimVie Inc. All rights reserved.