

Cascadia[®]

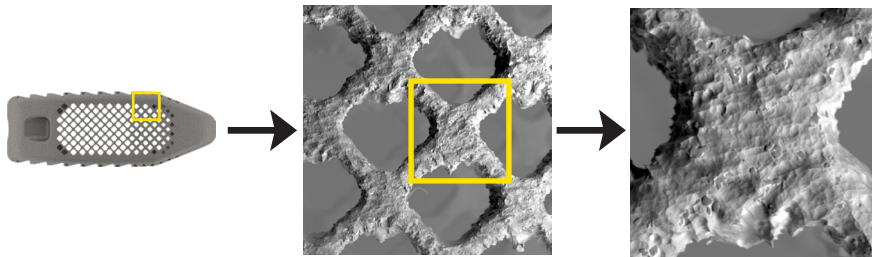
TL 3D Interbody System



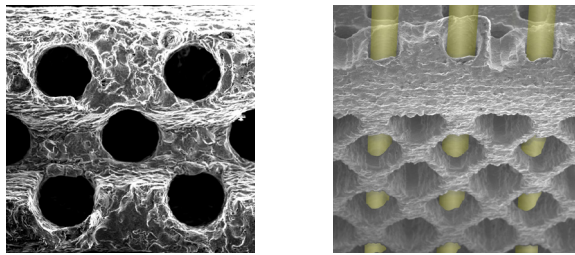
The Cascadia TL 3D Interbody System includes a full range of implant sizes designed to accommodate the vertebral anatomy. The streamlined instrumentation is designed to aid in implant placement. Lamellar 3D Titanium Technology incorporates 300-500 μm longitudinal channels, which in conjunction with transverse windows, create an interconnected lattice designed to allow for bony integration.^{1,2}

Cascadia TL 3D Interbody System

Lamellar 3D Titanium Technology



300-500 μm longitudinal channels throughout the implant, which in conjunction with transverse windows, create an interconnected lattice designed to allow for bony integration.^{1,2}

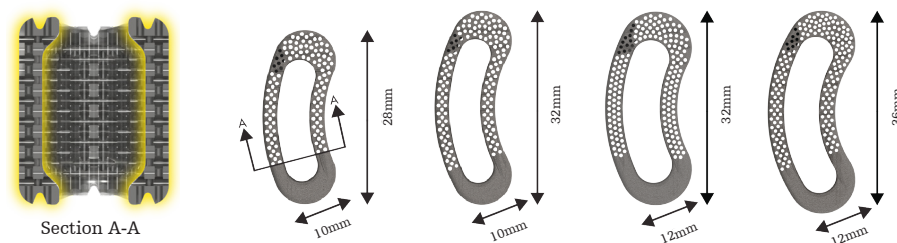


Fluoroscopic image showing Cascadia TL 3D

- Roughened titanium surfaces have been shown to demonstrate increased protein expression when compared to smooth titanium surfaces^{3,4,5}
- Bulleted nose designed for ease of insertion into a collapsed disc space
- 10 x 28, 10 x 32, 12 x 32 and 12 x 36mm footprints in 7–15mm heights with 7° of lordosis

Implant design

Reverse hourglass design allows for a large graft volume.⁶



1. Test Report TR-1220.
2. Loh QL and Choong C. "Three-dimensional scaffolds for tissue-engineering applications: Role of porosity and pore size." *Tissue Engineering Part B* 19 (2013): 485-502.
3. Karande TS, Kaufmann JM, and Agrawal CM. "Chapter 3: Functions and Requirements of Synthetic Scaffolds in Tissue Engineering." *Nanotechnology and Regenerative Engineering: The Scaffold*, Second Edition. Ed. CT Laurencin and LS Nair. Boca Raton: CRC Press, 2014. Pages 63-102.
4. Bobyn JD, Pilliar RM, Cameron HU, and Weatherly GC. "The optimum pore size for the fixation of porous-surfaced metal implants by the ingrowth of bone." *Clinical Orthopaedics and Related Research* 150 (1980): 263-270.
5. P Karageorgiou V and Kaplan D. "Porosity of 3D biomaterials scaffolds and osteogenesis." *Biomaterials* 26 (2005): 5474-5491.
6. Test Report TR-2161.

Spine division

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