ZIMMER BIOMET

Your progress. Our promise.®

Interbody Solutions

Trell ss™ -TC

Porous Ti Interbody System

A new foundation for growth

TrellOss™ -TC

Porous Ti Interbody System

A 3D printed titanium interbody platform featuring a scaffold structure with 70% porosity and a 7 micron roughened surface topography to foster a cellular relevant environment for adhesion and bone ingrowth.[1]

TrellOss-TC Implant

- Rigid teeth help to resist implant migration
- Bullet-tip nose to aid in implant insertion
- Central window for graft packing and containment
- Implants are sterile-packed to reduce the risk of contamination and hospital reprocessing costs
- Controlled Articulating Inserter offers multiple insertion angles by allowing the implant to pivot *in-situ* up to 55˚

TrellOss-TC Sizes

HEIGHTS	LENGTHS	LORDOSIS
7 mm–16 mm	28 mm | 32 mm	0˚
8 mm–16 mm	28 mm | 32 mm	10˚

A NEW FOUNDATION FOR GROWTH

Porosity

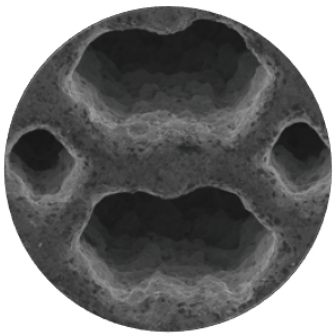
Open architecture with 70% porosity including varying pore sizes of 300, 500, and 700 microns that mimic cancellous bone allowing for a conducive environment for cellular activity[1,5,6,7]

Structure

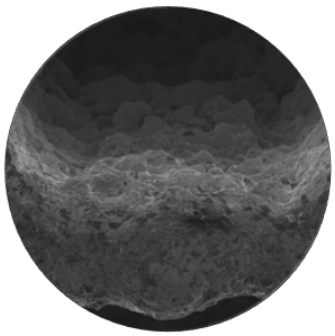
Scaffolding structure provides additional surface area[2,3]

Texture

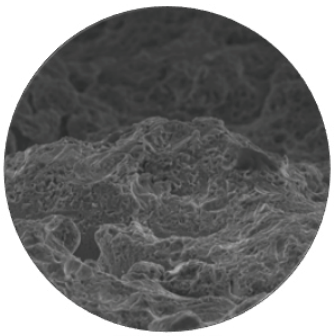
7 micron surface texturing creates an environment for potential cellular adhesion[2,3,4]



*SEM image of TrellOss Surface at **50x** magnification*



*SEM image of TrellOss Surface at **100x** magnification*



*SEM image of TrellOss Surface at **450x** magnification*

References

1. 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.
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.

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