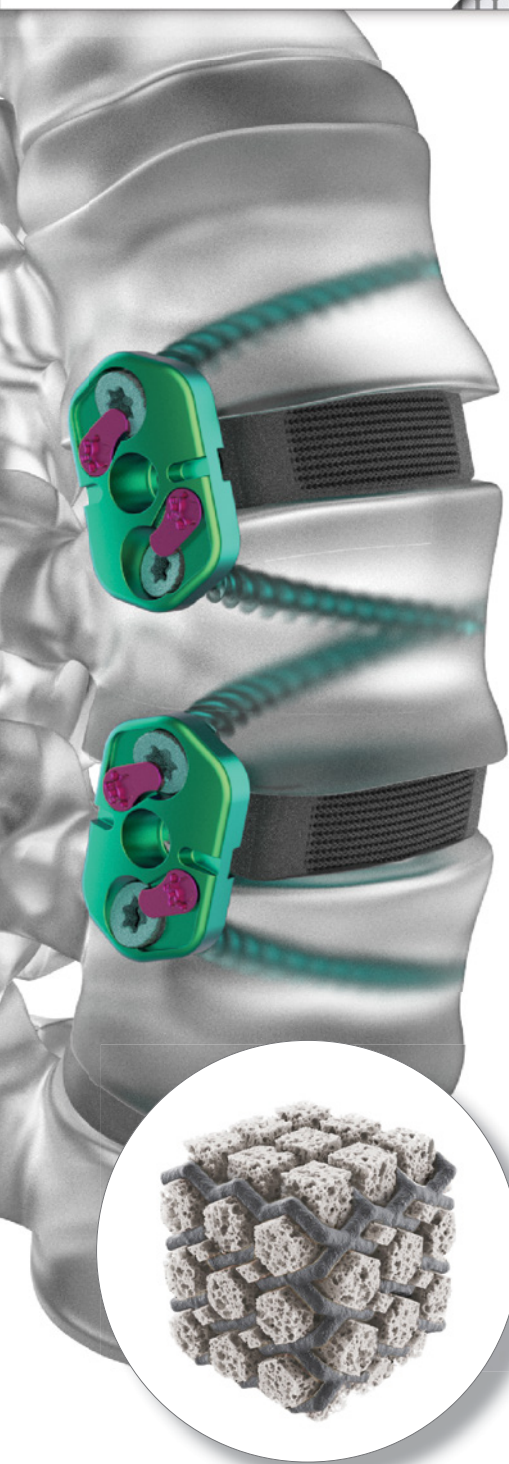
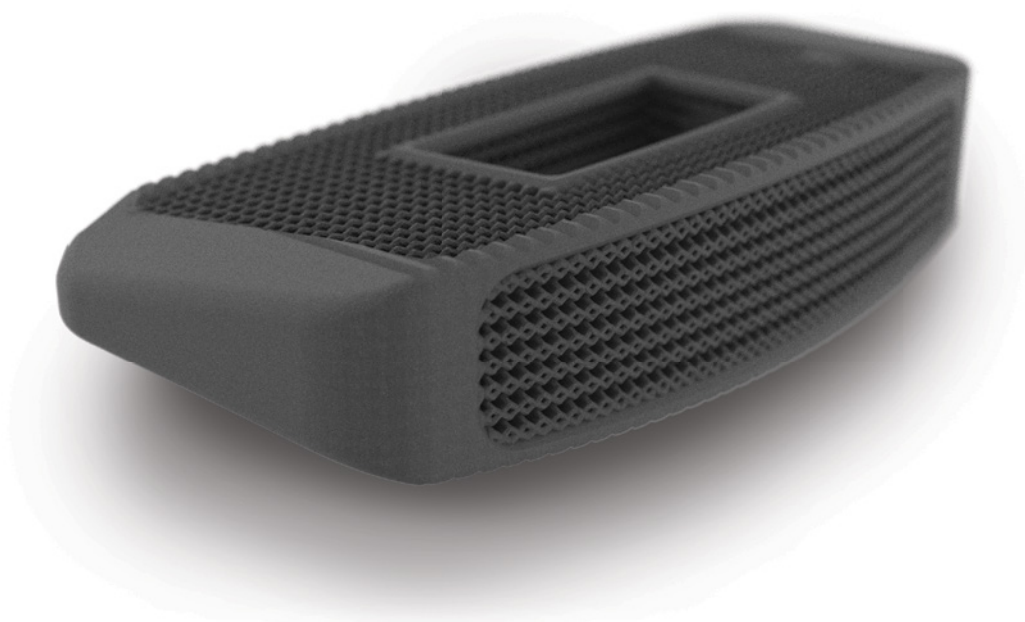




NEXXT MATRIXX® Technology



STRUXXURE® -L Plate Integration



Instrument Options

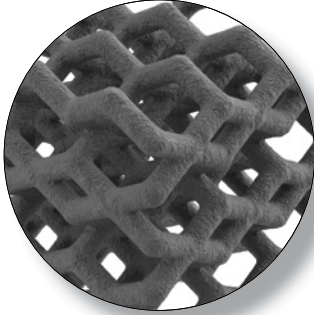


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(317) 436-7801
Info@NexxtSpine.com

70-076, Rev D

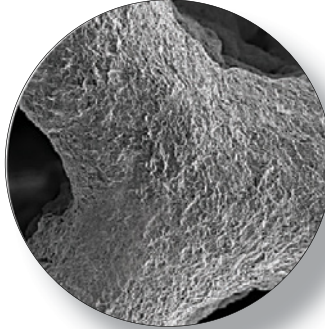


10X



Interconnected Titanium
PORES

300X



Uncompromising
MACROSURFACE

10,000X



7µm Roughened
MICROSURFACE

5 Pillars of NEXXT MATRIXX® Technology:

1. Varied pore array of 300, 500, and 700µm designed to support vascularization and osteogenesis.^{1,4,5}
2. 7µm surface roughness designed to increase osteoblast differentiation, production of angiogenic factors, and surface osteointegration.^{2,3,6}
3. 75% porous, open titanium architecture developed for greater surface area and nutrient exchange, leading to increased volume for potential bony in-growth.^{4,5,6}
4. Modulus of elasticity engineered to be comparable to PEEK devices leading to a more physiological product.⁶
5. 700µm A/P and lateral lattice geometry designed to provide robust radiographic imaging unimpeded by reducing overall titanium material and device density.⁶

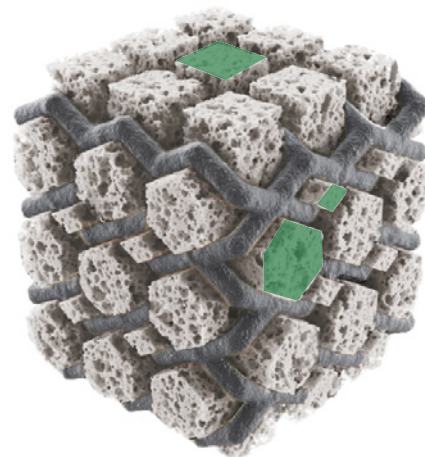


Image represents potential volume for bony in-growth

Studies referenced for the foundational design of NEXXT MATRIXX®

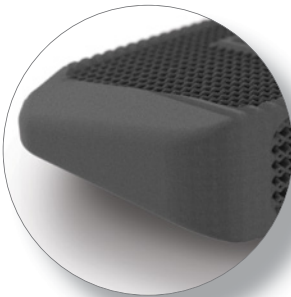
1. Karageorgiou V, Kaplan D. Porosity of 3D biomaterial scaffolds and osteogenesis. *Biomaterials*. 2005;26(27):5474–91.
2. Olivares-Navarrete R, Hyzy SL, Slosar PJ et al. Implant materials generate different peri-implant inflammatory factors: poly-ether-ether-ketone promotes fibrosis and microtextured 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. Ponader S, von Wilmsowky 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
5. Li JP, Habibovic P, et al.: Bone ingrowth in porous titanium implants produced by 3D fiber deposition. *Biomaterials* 28:2810, 2007.
6. Data on file at Nexxt Spine, LLC.



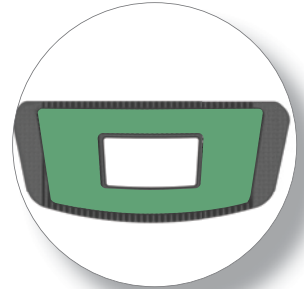
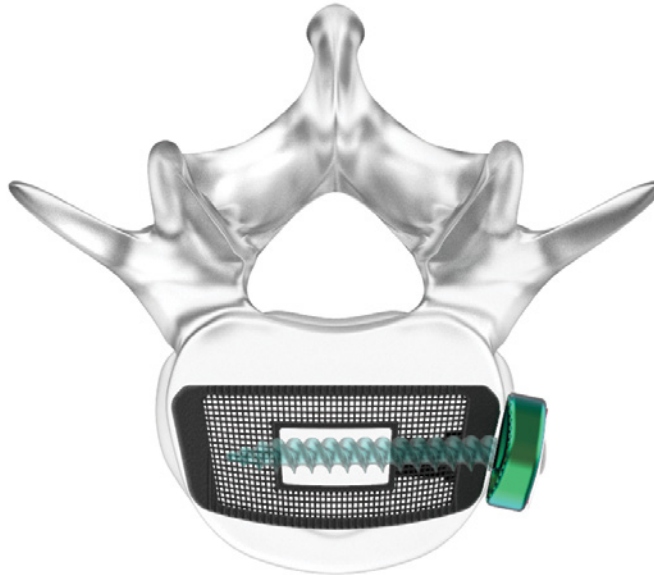
PRODUCT FEATURES



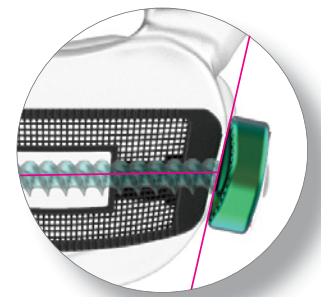
Anatomically matched profile
for appropriate endplate coverage
and placement on apophyseal rim
for stability.



Bullethead nose design
simplifies insertion in collapsed
degenerative discs without
compromising apophyseal rim.



Ample graft window
balanced with lattice landscape
to create environment for
bone growth.

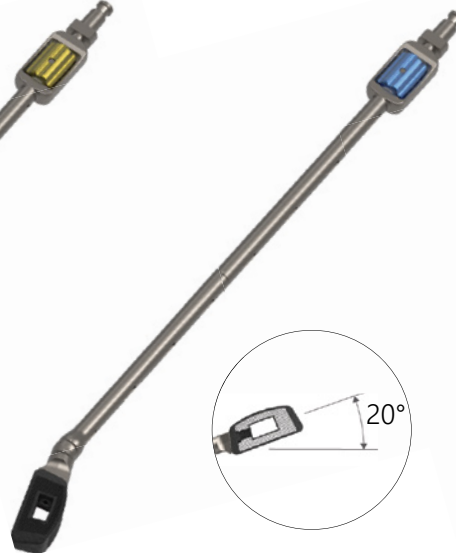


Anatomically driven angle
design compatible with
STRUXSURE®-L for single
position procedural solution.

Instrumentation
provides intraoperative
flexibility with oblique and
angled instrumentation.



Straight



Oblique (OLIF)



Left & Right Angled

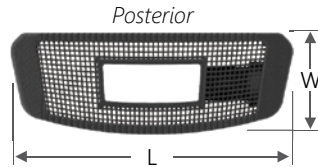


CAGE SPECIFICATIONS

Footprints

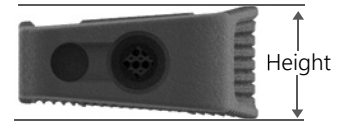
W: 18mm, 22mm, 26mm*

L: 40-60mm (5mm increments)



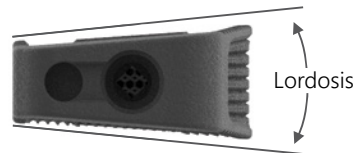
Heights

8 - 20mm
(2mm increments)



Lordosis

0°, 8°, 14°, and 20°*



* By Request.

Contact Info@NexxtSpine.com
for full SKU offering.

THREE PLATE INSERTION OPTIONS



Struxxure®-L
Plate



Plate + Cage Unmated



Plate + Cage Mated

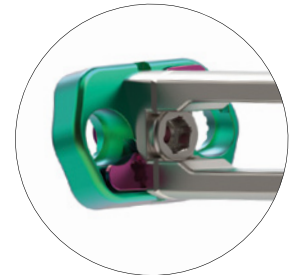


Plate Separate



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For indications, contraindications, warnings, precautions, potential adverse effects and patient counseling information, see the package insert or contact your local representative; visit NexxtSpine.com for additional product information.

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