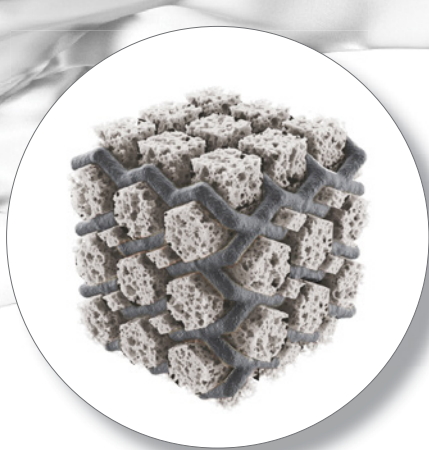
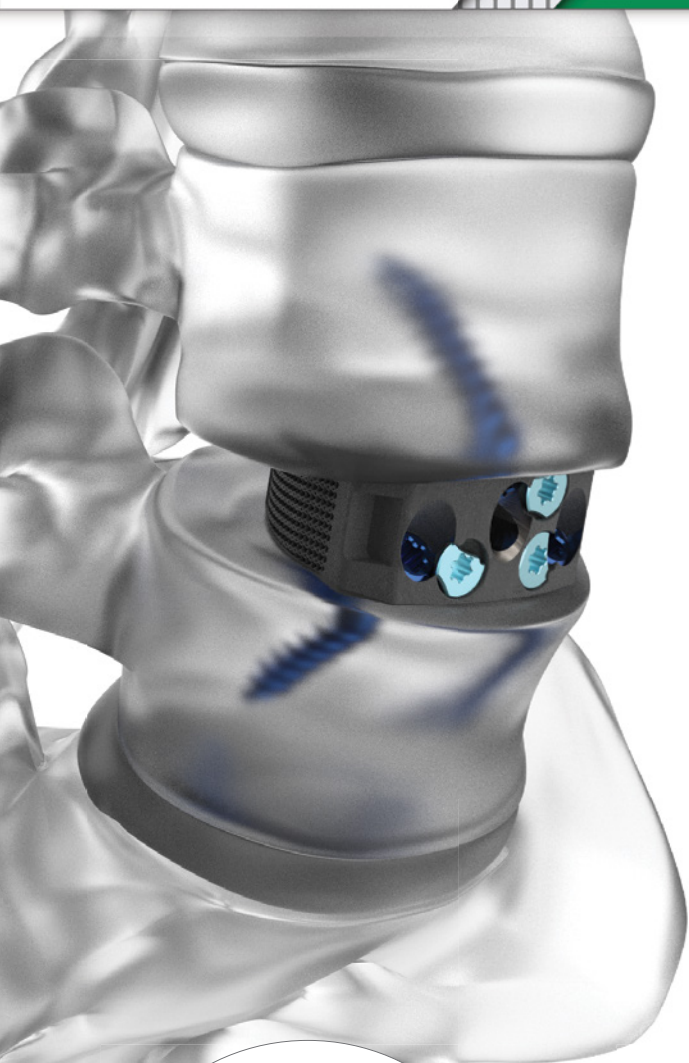
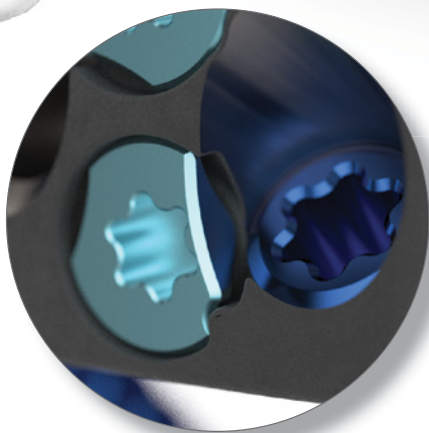




NEXXT MATRIXX® Technology



One-Step Turn Lock



Self-Guided Instruments

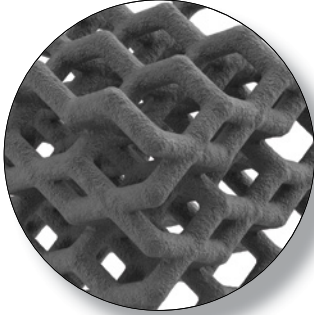


Nexxt Spine, LLC
14425 Bergen Blvd, Suite B
Noblesville, IN 46060
(317) 436-7801
Info@NexxtSpine.com

70-080, Rev E

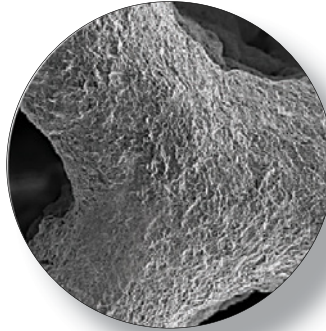


10X



Systematic Titanium
PORES

300X



Uncompromising
MACROSURFACE

10,000X



7µm Surface
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

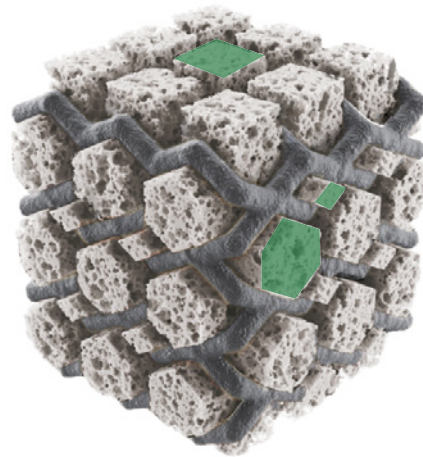


Image represents potential volume for bony in-growth

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.



NEXXT MATRIXX®

3D Printed Porous Titanium

STAND ALONE ALIF

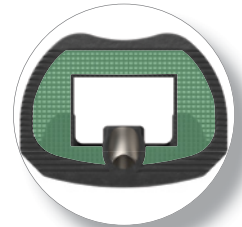
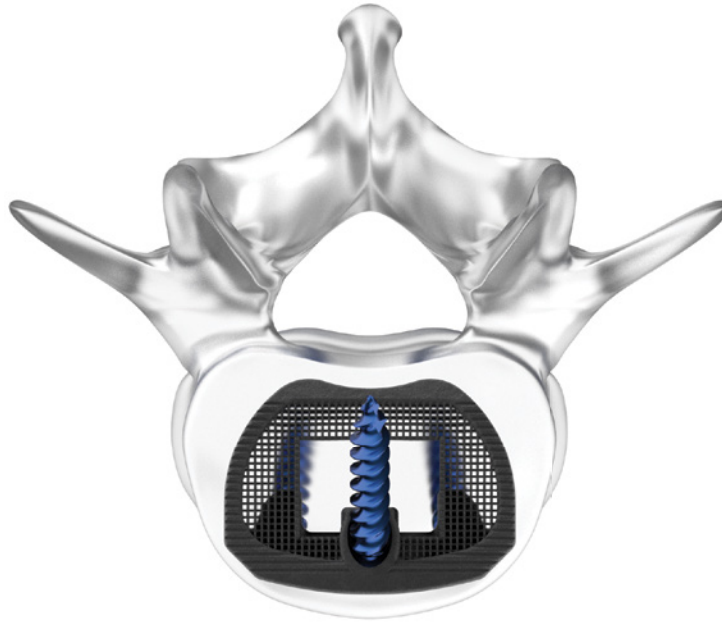
Simple, Integrated, Secure

3

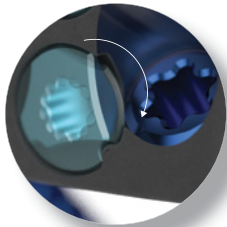
PRODUCT FEATURES



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



Ample graft window
balanced with Nexxt Matrixx®
lattice to create environment
for bone growth.

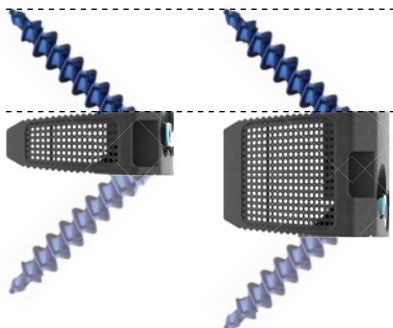


Integrated one-step turn lock
feature to prevent Screw backout.

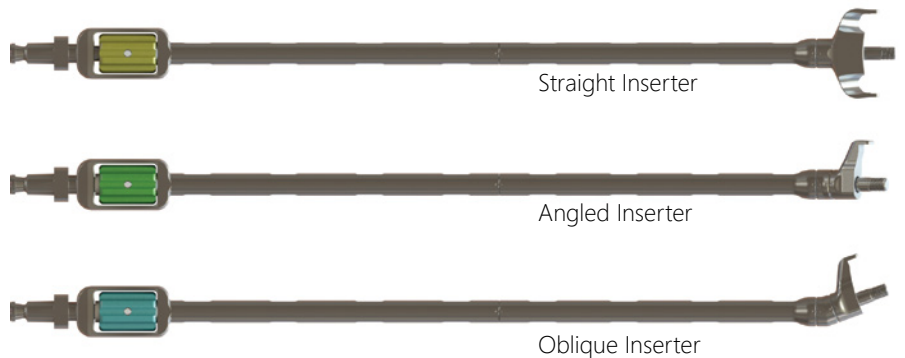


Self-tapping Screws
designed with tip-to-head
thread pattern for cancellous
and cortical bone fixation.

Optimized location of Screw Pockets
to allow for consistent bone purchase
for each Screw regardless of Cage height.



Multiple Insertion Instrumentation Options
to accommodate varying patient anatomies.





NEXXT MATRIXX®

3D Printed Porous Titanium

STAND ALONE ALIF

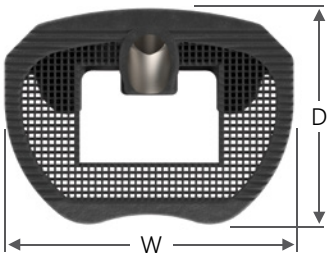
Simple, Integrated, Secure

4

CAGE SPECIFICATIONS

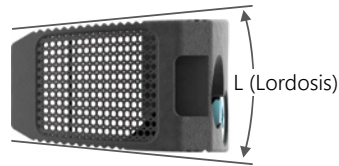
Footprints (Dmm x Wmm)

24 x 32, 27 x 36, and 30 x 40



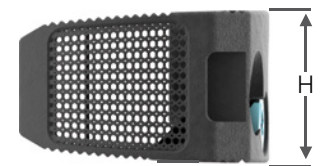
Lordoses

8°, 14°, 20°, and 25°*



Heights

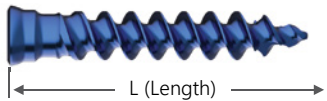
10, 12, 14, 16, 18, and 20mm*



SCREW SPECIFICATIONS

Lengths

20, 25, 30, and 35mm



Diameters

Ø5.0 and Ø5.5mm



NEXXT Spine

* By Request.
Contact Info@NexxtSpine.com
for full SKU offering.

Nexxt Spine, LLC
14425 Bergen Blvd, Suite B
Noblesville, IN 46060
(317) 436-7801
Info@NexxtSpine.com
NexxtSpine.com



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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70-080, Rev E