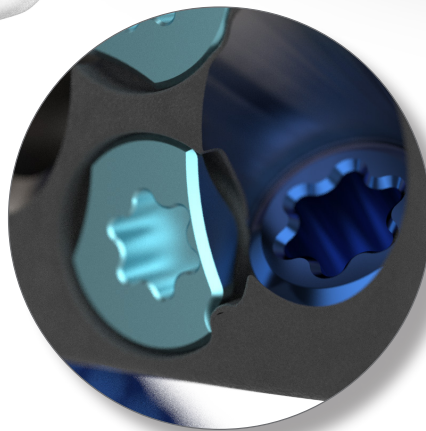


**NEXXT MATRIXX®** Technology



One-Step Turn Lock



Self-Guided Instruments

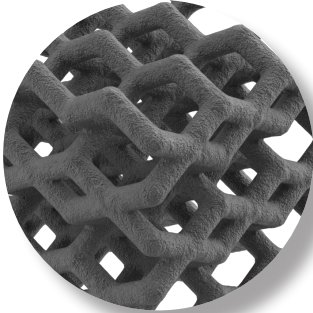


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Info@NexxtSpine.com

70-080E, Rev D

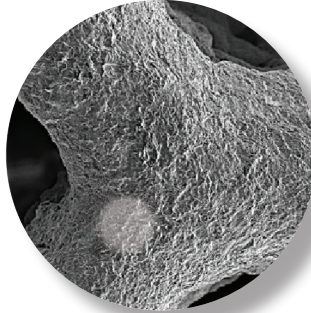


10X



Systematic Titanium  
**PORES**

300X



Uncompromising  
**MACROSURFACE**

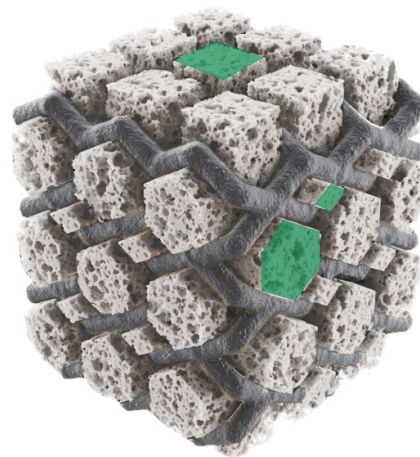
10,000X



7µm Surface  
**MICROSURFACE**

### Pillars of NEXXT MATRIXX® Technology:

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



*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 Wilmsow 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.



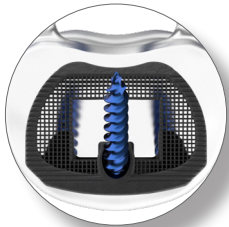
# NEXXT MATRIXX®

3D Printed Porous Titanium

## STAND ALONE ALIF

Simple, Integrated, Secure

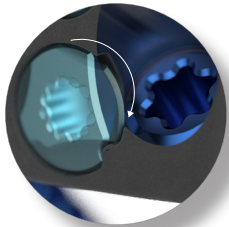
### PRODUCT FEATURES



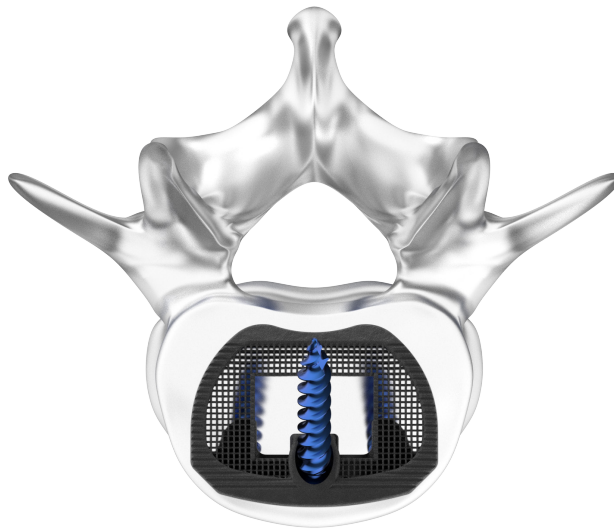
**Anatomically matched profile**  
for appropriate endplate coverage  
and placement on apophyseal rim  
for stability



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

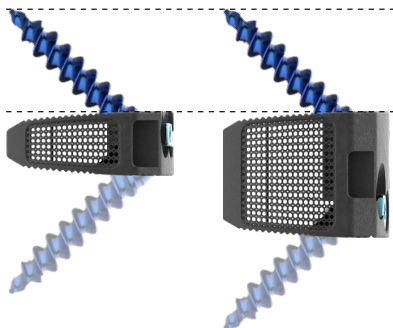


**Integrated one-step turn lock**  
feature to prevent Screw backout



**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

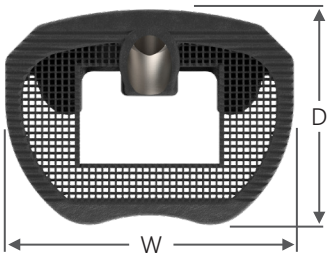
## STAND ALONE ALIF

Simple, Integrated, Secure

### CAGE SPECIFICATIONS

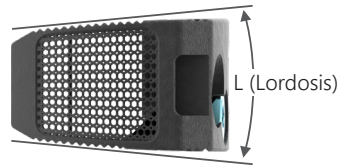
#### Footprints

24D x 32W, 27D x 36W, and 30D x 40Wmm



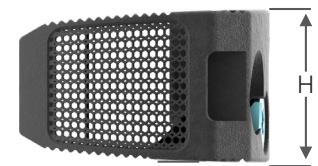
#### Lordoses

8°, 14°, 20°, and 25°



#### Heights

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

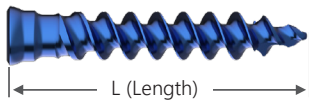


• See table

### SCREW SPECIFICATIONS

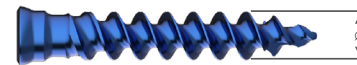
#### Lengths

20, 25, 30, and 35mm



#### Diameters

5.0 & 5.5Ø



#### Size Offering

Key: Standard ☒ Made to Order ☒

#### Cage

Depth x Width x Height x Lordosis

D	W	H	8°	14°	20°	25°
24	32	10	✓	✓		
		12	✓	✓	✓	
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18	✓	✓	✓	✓
		20	✓	✓	✓	✓
27	36	10	✓	✓		
		12	✓	✓	✓	
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18	✓	✓	✓	✓
		20	✓	✓	✓	✓
30	40	10	✓	✓		
		12	✓	✓	✓	
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18	✓	✓	✓	✓
		20	✓	✓	✓	✓

#### Screws

Diameter x Length

Ø	L	
5.0	20	✓
	25	✓
	30	✓
	35	✓
5.5	20	✓
	25	✓
	30	✓
	35	✓

**NEXXT**  
Spine  
GROW WITH US

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