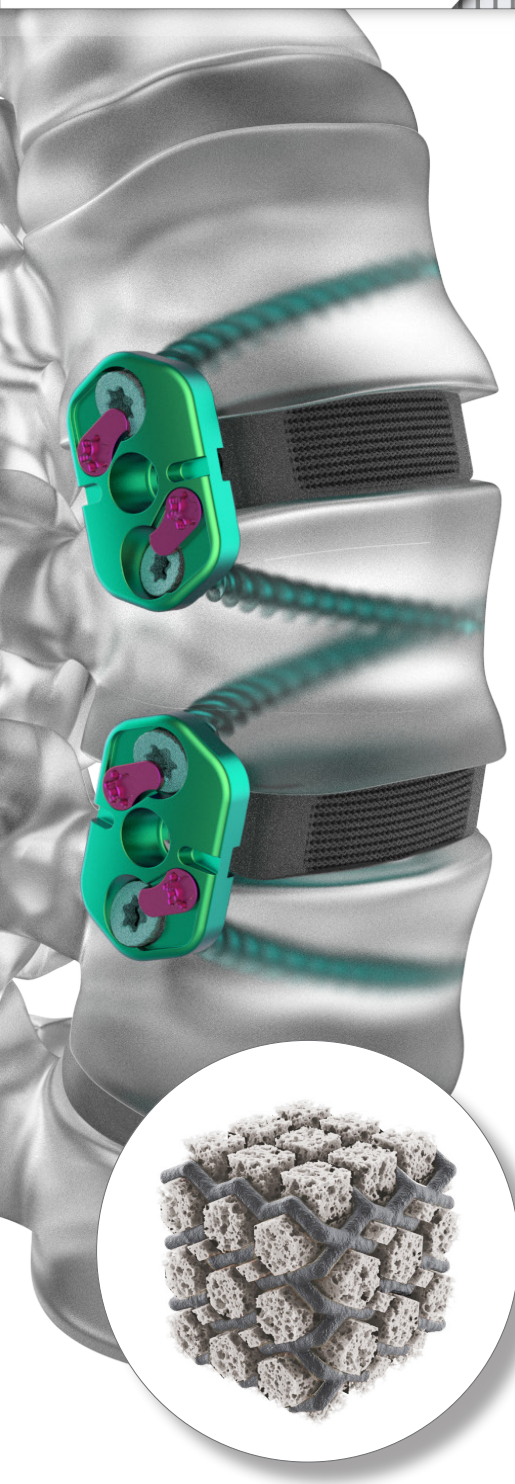
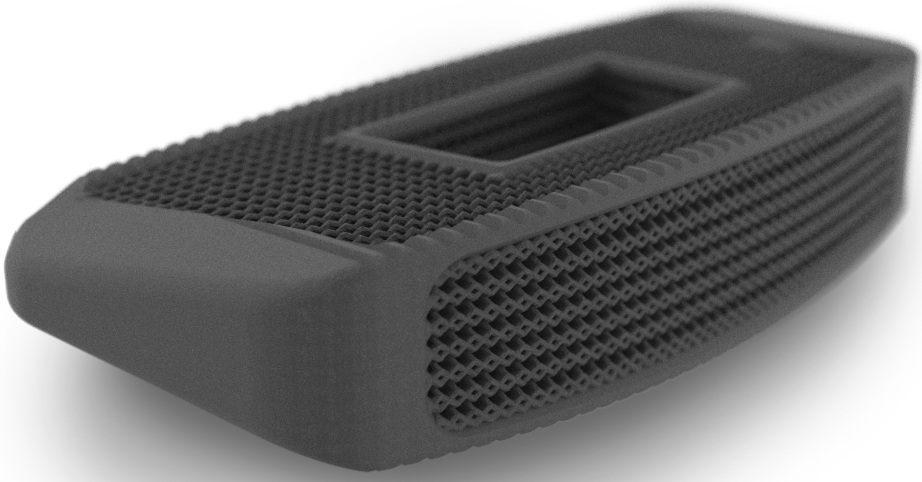
Nexxt Spine
GROW WITH US

Product Brochure
NEXXT MATRIXX® Lateral





NEXXT MATRIXX® Technology

STRUXXURE®-L Integration

Instrument Options

Nexxt Spine, LLC
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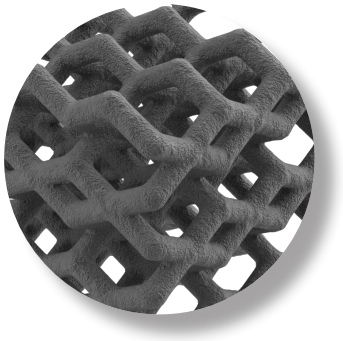
Noblesville, IN 46060
(317) 436-7801
Info@NexxtSpine.com

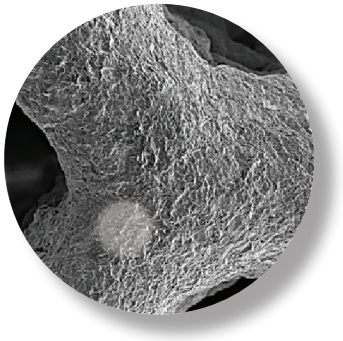
70-076E, Rev B

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.[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]

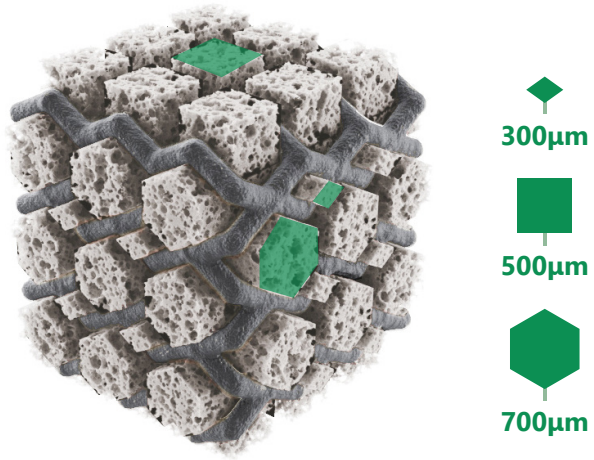


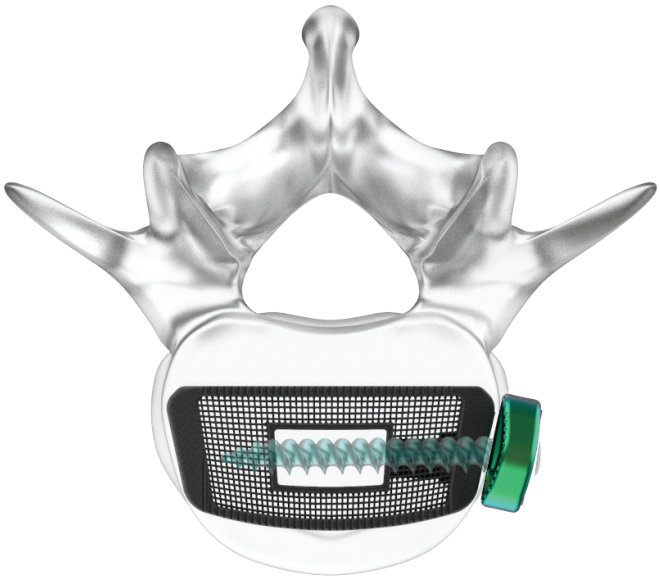
Image represents potential volume for bony in-growth

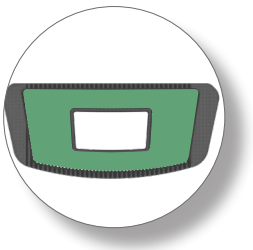
Studies referenced for the foundational design of NEXXT MATRIXX®

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 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
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.

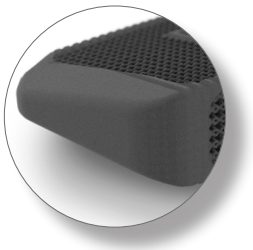
PRODUCT FEATURES

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

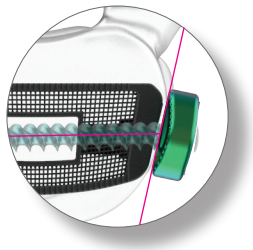




Ample graft window
balanced with lattice landscape to create environment for bone growth



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



Intentional angle design
compatible with STRUXXURE®-L for single position procedural solution

Instrumentation
provides intraoperative flexibility with oblique and angled instrumentation

Straight

Oblique

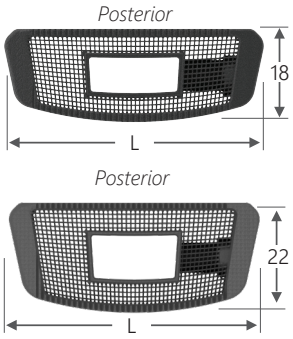
Left & Right Angled

CAGE SPECIFICATIONS

Footprints

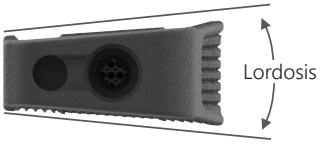
18mm & 22mm Widths

40 - 60mm Lengths
(5mm increments)



Lordosis

0°, 8°, 14°, and 20°



Heights

8 - 20mm
(2mm increments)

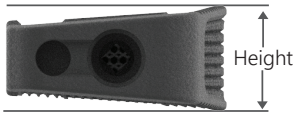
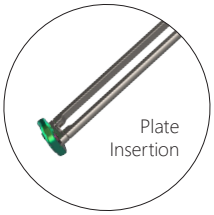
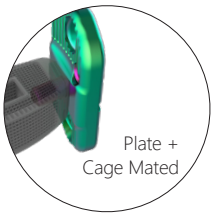
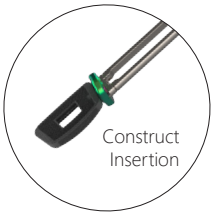


PLATE INTEGRATION

Struxxure®-L
Plate







Size Offering

Key: Standard ✓ Made to Order ✓
Width x Length x Height x Lordosis

W	L	H	0°	8°	14°	20°	W	L	H	0°	8°	14°	20°
18	40	08	✓	✓			22	40	08	✓	✓		
		10	✓	✓	✓				10	✓	✓	✓	
		12	✓	✓	✓	✓			12	✓	✓	✓	✓
		14	✓	✓	✓	✓			14	✓	✓	✓	✓
		16	✓	✓	✓	✓			16	✓	✓	✓	✓
		18				✓			18				✓
		20				✓			20				✓
	45	08	✓	✓				45	08	✓	✓		
		10	✓	✓	✓				10	✓	✓	✓	
		12	✓	✓	✓	✓			12	✓	✓	✓	✓
		14	✓	✓	✓	✓			14	✓	✓	✓	✓
		16	✓	✓	✓	✓			16	✓	✓	✓	✓
		18				✓			18				✓
		20				✓			20				✓
	50	08	✓	✓				50	08	✓	✓		
		10	✓	✓	✓				10	✓	✓	✓	
		12	✓	✓	✓	✓			12	✓	✓	✓	✓
		14	✓	✓	✓	✓			14	✓	✓	✓	✓
		16	✓	✓	✓	✓			16	✓	✓	✓	✓
		18				✓			18				✓
		20				✓			20				✓
	55	08	✓	✓				55	08	✓	✓		
		10	✓	✓	✓				10	✓	✓	✓	
		12	✓	✓	✓	✓			12	✓	✓	✓	✓
		14	✓	✓	✓	✓			14	✓	✓	✓	✓
		16	✓	✓	✓	✓			16	✓	✓	✓	✓
		18				✓			18				✓
		20				✓			20				✓
	60	08	✓	✓				60	08	✓	✓		
		10	✓	✓	✓				10	✓	✓	✓	
		12	✓	✓	✓	✓			12	✓	✓	✓	✓
		14	✓	✓	✓	✓			14	✓	✓	✓	✓
		16	✓	✓	✓	✓			16	✓	✓	✓	✓
		18				✓			18				✓
		20				✓			20				✓

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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.