NEXXT Spine

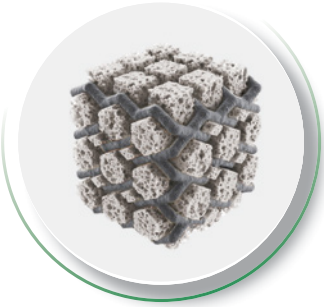
Product Brochure
Anterior Cervical Solutions

ANTERIOR CERVICAL

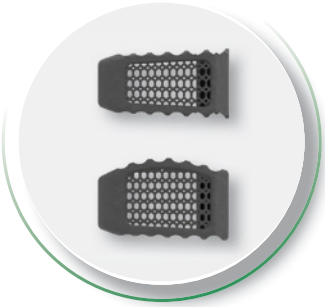
NEXXT MATRIXX® + STRUXXURE®-C




SYSTEM FLEXIBILITY
One fixation system covers all of NEXXT MATRIXX® Cervical interbodies.



BONE GROWTH
NEXXT MATRIXX® implants are designed for fast, connected bone growth.

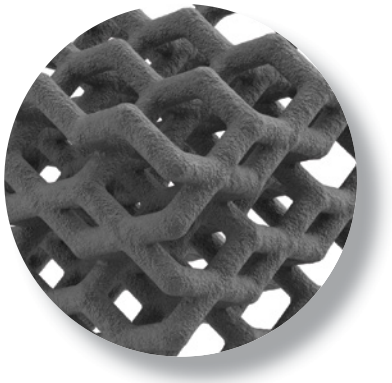


ANATOMIC DESIGNS
Curved footprint enables better vetebral body contact with interbody.

317-436-7801
Info@NexxtSpine.com
14425 Bergen Blvd, Suite B
Noblesville, IN 46060

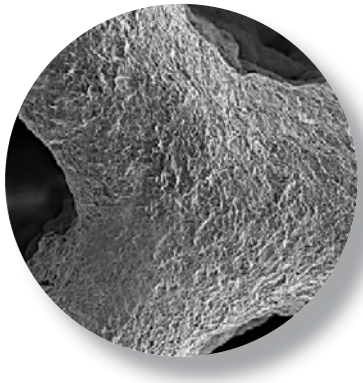
70-058, Rev C

10X



Interconnected Titanium
PORES

300X



Uncompromising
MACROSURFACE

10,000X

7µm Roughened
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]

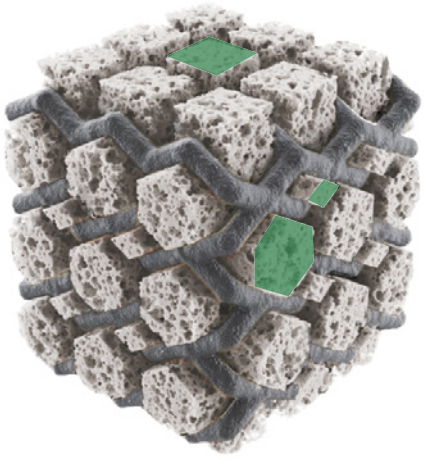
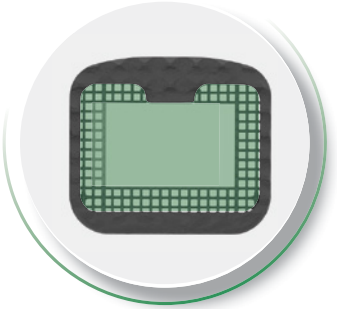


Image represents potential volume for bony in-growth

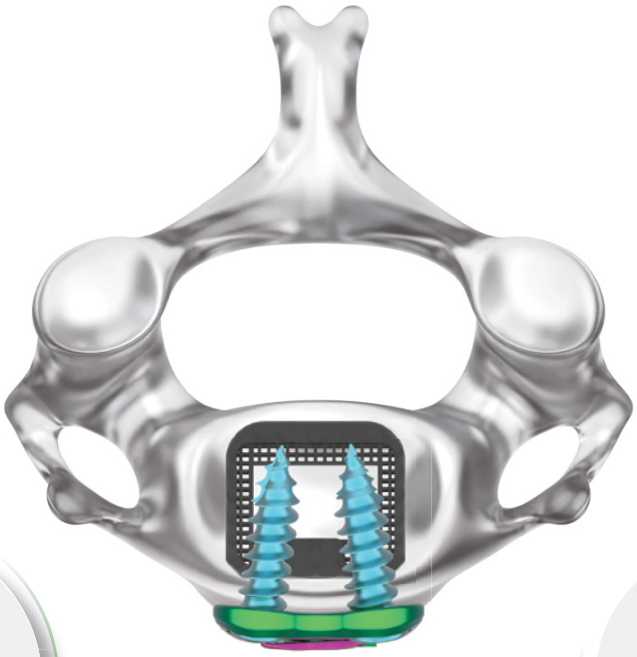
Studies referenced for the foundational design of NEXXT MATRIXX®

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.

NEXXT MATRIXX® Cervical Implants*

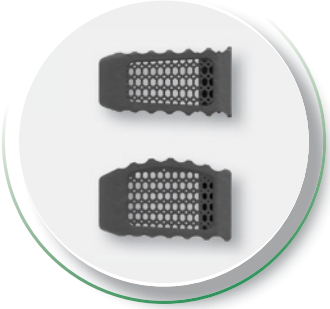


MATRIXX TECHNOLOGY
Matrixx technology paired with maximized graft window provides ideal environment for bone growth.



STERILE PACKAGING
Implants are sterile packaged to improve patient safety and reduce hospital reprocessing costs.

PROCEDURAL SOLUTIONS
STRUXXURE®-C anterior cervical plate paired with Matrixx cervical implants result in a complete ACDF solution.



COMPREHENSIVE PORTFOLIO
Lordotic, Anatomic, and Stand Alone profiles available in multiple footprints covers all surgical needs.

SA Cervical

D x W (mm)	Heights (mm)	Lordosis
12 x 15	5-10, 11-12	6°, 10°
14 x 16	5-10, 11-12	6°, 10°
16 x 18	5-10, 11-12	6°, 10°

Cervical

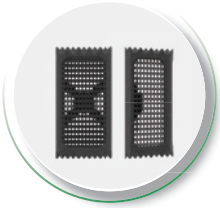
D x W (mm)	Heights (mm)	Lordosis
12 x 14	5-10, 11-18	0°, 6°, 10°
14 x 16	5-10, 11-18	0°, 6°, 10°
16 x 18	5-10, 11-18	0°, 6°, 10°

CONVEXX™

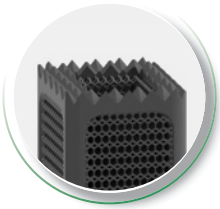
D x W (mm)	Heights (mm)	Lordosis
12 x 14	5-10, 11-12	6°
14 x 16	5-10, 11-12	6°
16 x 18	5-10, 11-12	6°

Some footprints are only available By Request, contact **Info@NexxtSpine.com** for full product offerings.

NEXXT MATRIXX® Corpectomy*



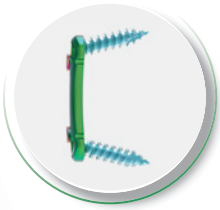
A/P VISUALIZATION
Proprietary NEXXT MATRIXX® technology enhances imaging for fusion visualization.



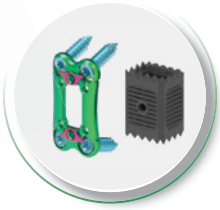
SECURE PLACEMENT
Aggressive teeth designed to anchor into bone and promote bone growth.

D x W (mm)	Heights (mm)	Lordosis
12 x 14	11-50, 10-70	0°, 6°
14 x 16	11-50, 10-70	0°, 6°
16 x 18	11-50, 10-70	0°, 6°

STRUXXURE®-C Anterior Cervical Plate*



1.95MM PROFILE
Plate profile designed to leave minimal protrusion from vertebral surface.



STREAMLINED WORKFLOW
Plates are offered together with select Matrixx systems to simplify hospital reprocessing.

Levels	Lengths (mm)
1-3	17-78
4-5	56-123

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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.