



Vu a-POD™ Prime NanoMetalene®

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Intervertebral body fusion device (IBD)

Vu a·POD™ Prime NanoMetalene®

DESIGN RATIONALE

The Vu a·POD™ Prime NanoMetalene® System features a zero-profile, standalone anterior lumbar interbody which combines the surface of titanium¹ with the mechanical properties of PEEK² to deliver an interbody solution with the best of both materials and design for fusion. The Vu a·POD Prime NanoMetalene® implant can be configured in a variety of footprint and lordotic combinations to accommodate an individual patient's pathology.

SYSTEM FEATURES

Versatile System for Treatment of Varying Patient Anatomy

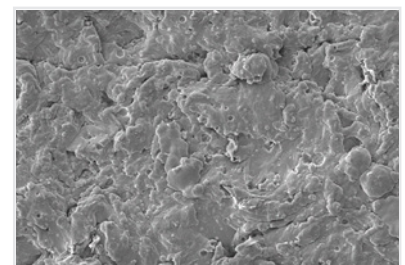
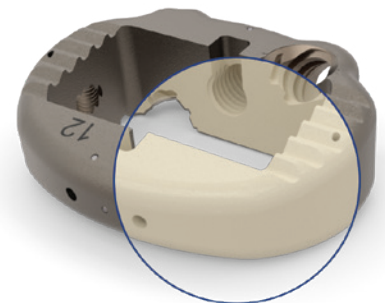
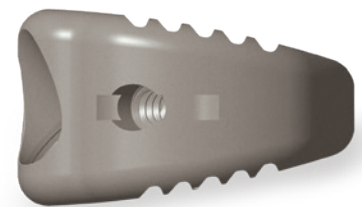
- Three fixation methods: Two bone screws, SpinPlate™ or a combination of both for optimal construct configuration
 - When used with bone screws or bone screws and SpinPlate™, the system is a stand-alone device*
 - When used with the SpinPlate™ alone, the system is intended for use with supplemental fixation
- Wide array of sizes: three footprints, six height options and four lordosis options for patient specific anatomy
- 20° and 30° hyperlordotic footprints provide more sagittal balance restoration capabilities

Zero Profile

- Spacer fits completely within the disc space to avoid disruption to surrounding anatomy

Titanium Surface Topography with an Uncompromised PEEK Core

- Titanium ions molecularly bonded to every implant surface through Atomic Fusion Deposition.
- Roughened titanium micro topography.³
- Modulus of elasticity similar to cortical bone to aid bone healing.⁴
- Radiolucent for post-op fusion assessment.⁵



NanoMetalene® surface topography
5,000x magnification³

* Implants with hyperlordotic angles of >20° must also be used with additional supplemental fixation (e.g. posterior pedicle screw and rod system).

¹ Walsh, W.R.et al.Novel Titanium Surface Improves the Osteogenic Response of PEEK Implants in a Sheep Model.2017.Data available upon request. Pre-clinical testing, such as animal studies, may not be indicative of human results.

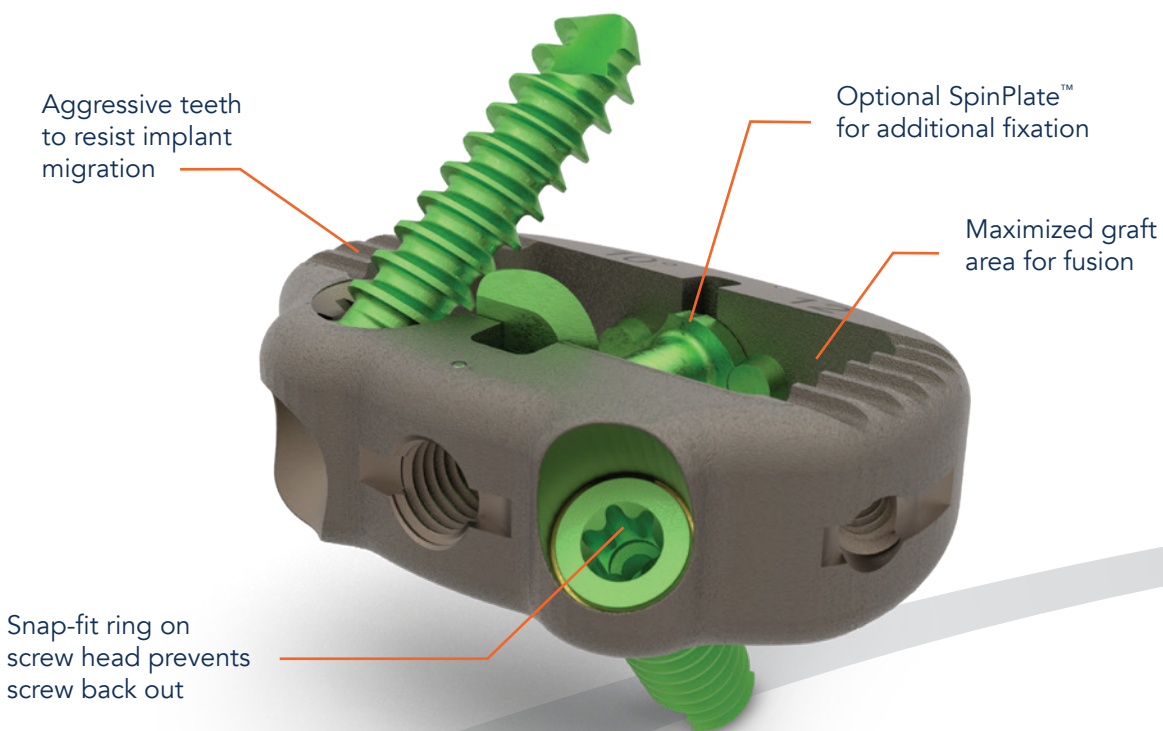
² Results from mechanical testing. Data on file.

³ NanoMetalene® scanning electron microscope images on file.

⁴ Kurtz SM, Devine JN.PEEK biomaterials in trauma, orthopedic, and spinal implants. Biomaterials.2007; 28(32):4845-69.

⁵ Results from imaging study. Data on file.

The Surface.
The Modulus.
The Solution.



Standard Sizes

Footprint (mm)	Lordotic Angles (°)	Heights (mm)
31x24	10 & 15	10–16 (x2)*
35x27	10 & 15	10–16 (x2)*
39x30	10 & 15	10–16 (x2)*

*15° implant heights start at 12mm

Optional Sizes

Footprint (mm)	Lordotic Angles (°)	Heights (mm)
31x24	20 & 30	14–20 (x2)*
35x27	20 & 30	14–20 (x2)*
39x30	20 & 30	14–20 (x2)*

*30° implant heights start at 18mm

ADDITIONAL PRODUCT SOLUTIONS



**NanoMetalene®
Technology**



Newport™ MIS



**OsteoStrand® and
OsteoStrand® Plus**



For more information or to place an order, please contact:
TEL 866.942.8698 | FAX 877.558.6227
customerservice@seaspine.com

Outside USA
TEL + 1.760.727.8399 | FAX + 1.760.727.8809
INTERNATIONAL INQUIRIES intlcustomer@seaspine.com
ALL OTHER INQUIRIES customerservice@seaspine.com

seaspine.com



SeaSpine Orthopedics Corporation
5770 Armada Drive
Carlsbad, CA 92008 USA
TEL 760.727.8399 USA | FAX 760.727.8809

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