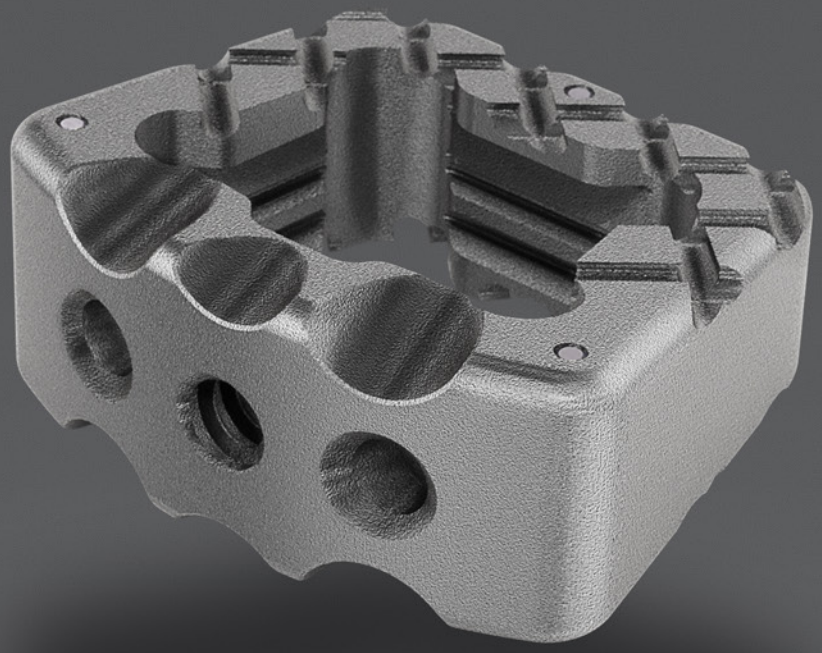
SeaSpine



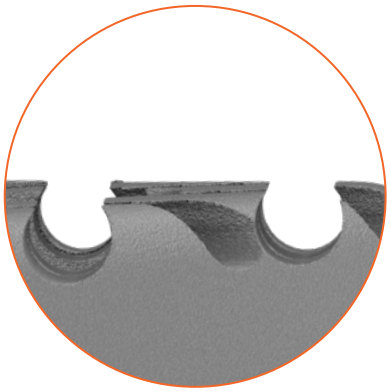
SHORELINE RT™

ANTERIOR CERVICAL INTERBODY SYSTEM

SALES BROCHURE

REEF TOPOGRAPHY™

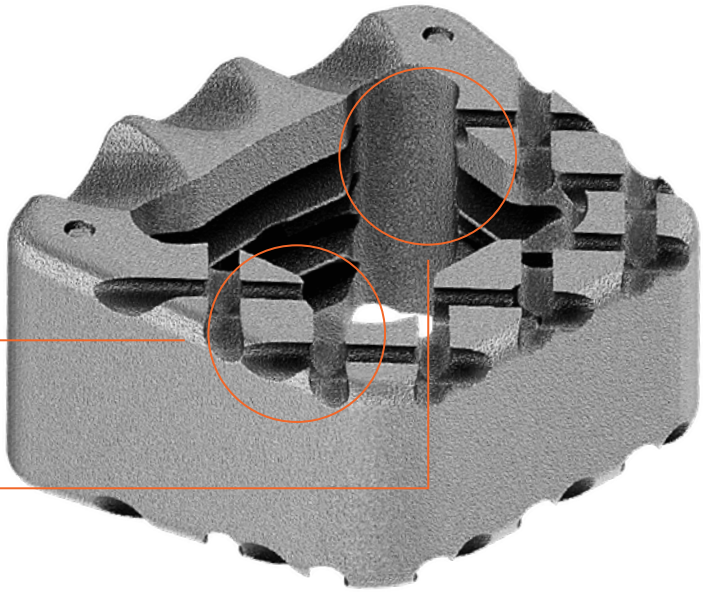
Undercut macrostructures designed to promote bony interlocking.[5,†]

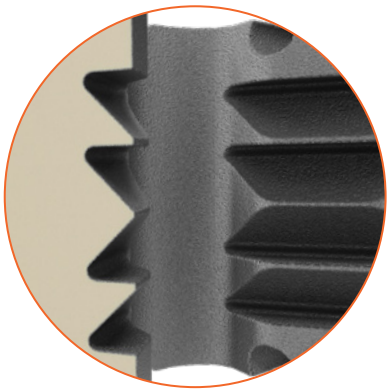


40% MORE

NANOMETALENE ENDPLATE SURFACE AREA*

Endplate features place graft material in direct contact with the endplates.





50% MORE

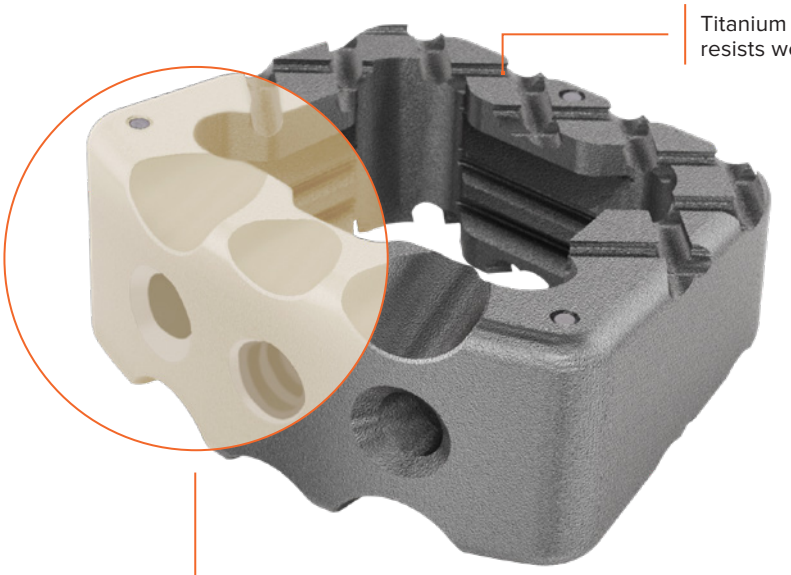
NANOMETALENE APERTURE SURFACE AREA*

Aperture features secure graft within the aperture during interbody placement.

*Than normal Shoreline ACS Interbody

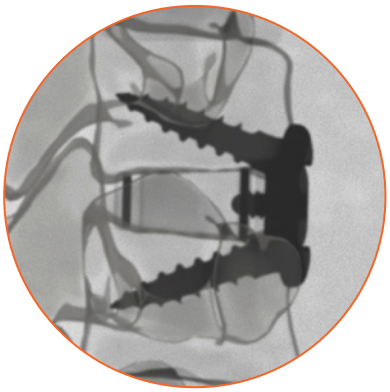
NANOMETALENE® TECHNOLOGY

Submicron titanium layer molecularly bonded to entire PEEK implant.



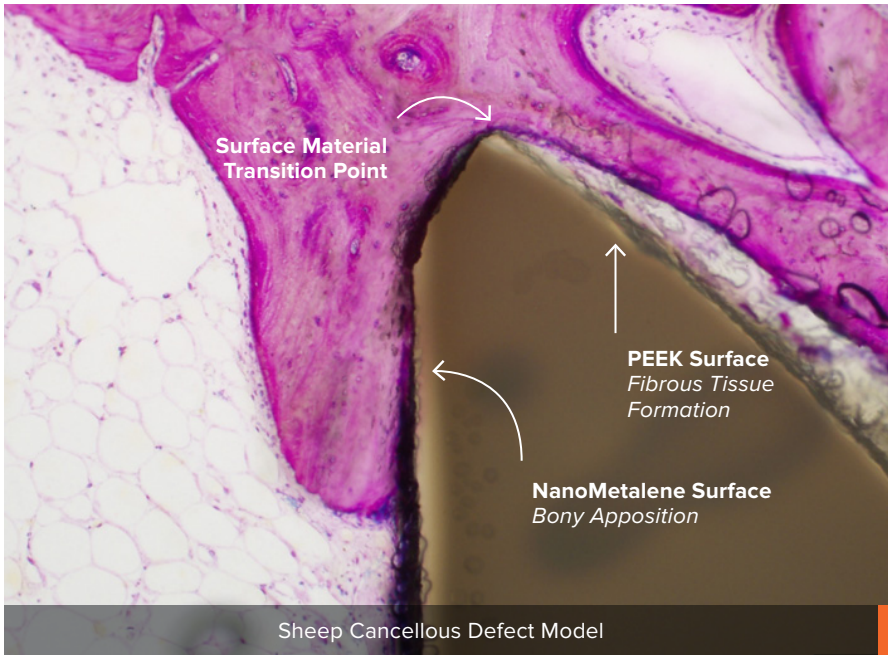
Titanium surfacing resists wear debris.[4]

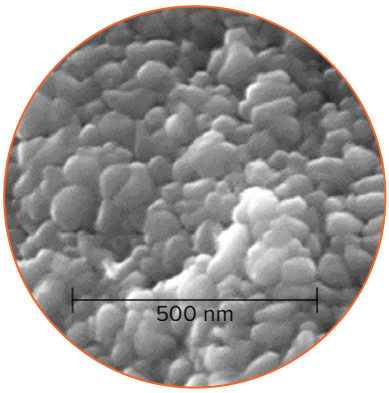
Mechanical properties of PEEK unaltered, providing stiffness on par with bone.[4]



Radiolucent for post-op fusion assessment.[1]

Preclinical results show greater bone ongrowth on NanoMetalene vs. PEEK[3,†]





Rough submicron topography encourages integration.[2,3]

SHORELINE RT™

The Shoreline RT™ anterior cervical interbody system was designed for surgeons to have ultimate system flexibility, construct modularity, and refined instrumentation. Utilizing NanoMetalene® technology, Reef Topography™, and an optional TruProfile® plating system, Shoreline RT provides complete intraoperative choices.

INTERBODY FEATURES

- Reef Topography and NanoMetalene surface technology
- Three footprint options: 16 x 14mm, 18 x 15mm and 20 x 15mm
- Three lordotic options: 7°, 10° and 15°
- Height options: 5–12mm

16 x 14mm

18 x 15mm

20 x 15mm

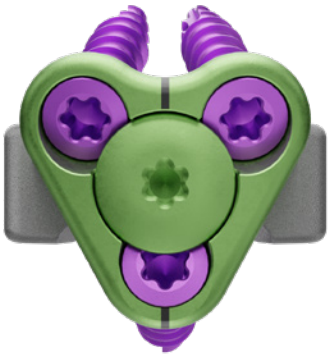
7°

10°

15°

Compatible with Shoreline ACS TruProfile

2-hole Plate



3-hole Plate

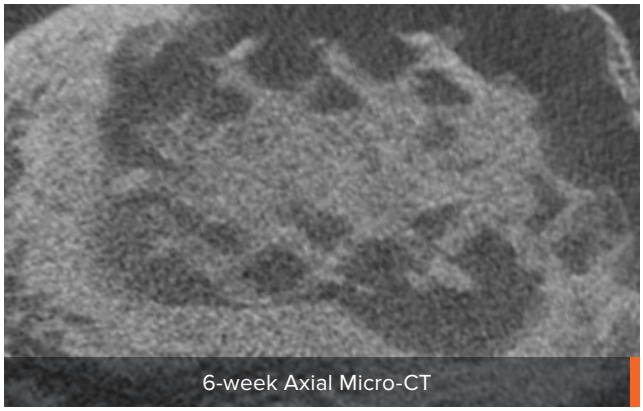
4-hole Plate

PRECLINICAL EVALUATION

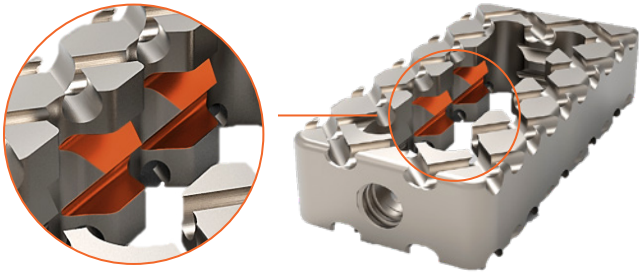
PRECLINICAL EVALUATION OF REEF TOPOGRAPHY™

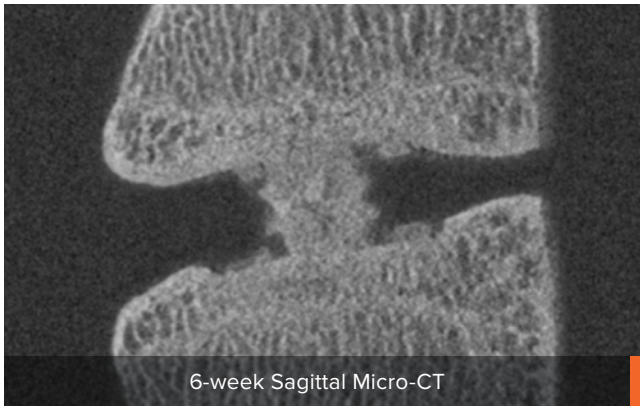
Clinically relevant endplate-sparing sheep interbody fusion model results comparing NanoMetalene® (NM) implants with and without Reef Topography.

Endplate Undercut Macrostructures



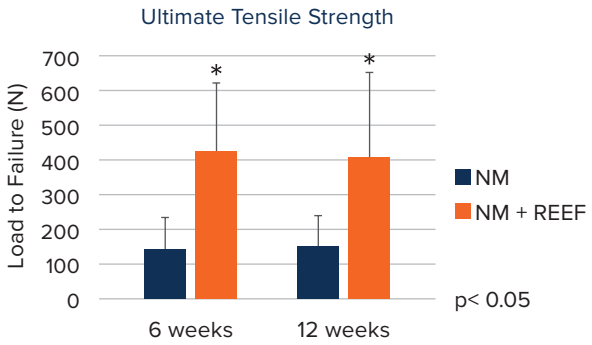
Aperture Undercut Macrostructures





Undercut macrostructures results in

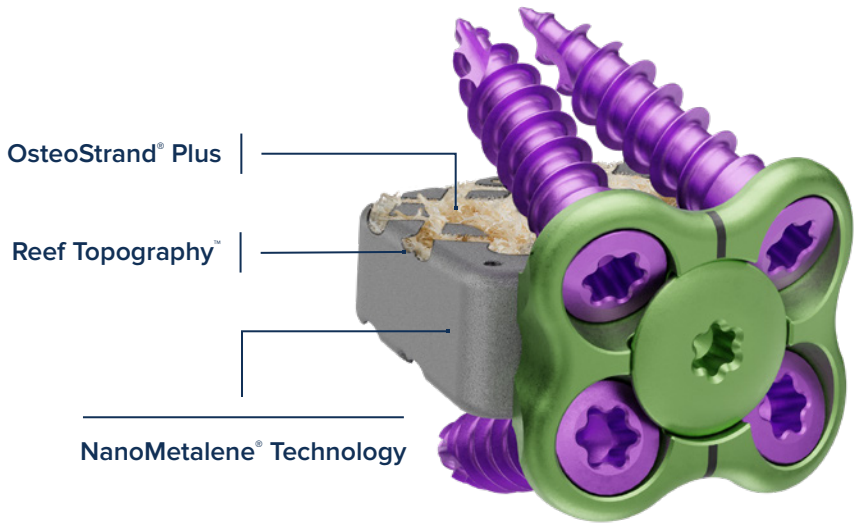
~3x increase in mechanical stability[5,†]



REEF TOPOGRAPHY DRIVES EARLIER AND IMPROVED BIOMECHANICAL INTEGRITY[5,†]

PROCEDURAL SOLUTIONS

DIFFERENTIATED AND COMPLEMENTARY TECHNOLOGIES



SHORELINE RT™

†Preclinical testing, such as animal studies, may not be indicative of human results.
[1]Results from imaging study. Data on file. TR-0010-11-01
[2]NanoMetalene SEM images on file. TR-0094-19-01
[3]Walsh, et al. The in vivo response to a novel Ti coating compared with polyether ether ketone: evaluation of the periphery and inner surfaces of an implant. Spine Journal 2018 Jul; 18(7): 1231-1240
[4]Results from mechanical testing. Data on file. TR-0010-11-01
[5]Results from preclinical in vivo testing. Data on File. D0003269

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