

PYXIS™ TPLIF IMPLANT**NEXT GENERATION 3D-TITANIUM PRINTED
TPLIF IMPLANTS FOR TRANSFORAMINAL
POSTERIOR LUMBAR
INTERBODY FUSION****KEY FEATURES & BENEFITS****MATERIAL PROPERTIES**

- Cages are manufactured with 3D printing technology using titanium alloy that provides improved bone-ingrowth and on-growth characteristics compared to PEEK or Titanium
- Implant porosity provides excellent imaging characteristics that allow the surgeon to see the fusion area clearly

STERILIZED PACKAGING

- Implants come in sterilized packaging to provide ease-of-use to the hospital and surgery center with cost savings and improved efficiency in the operation room

MULTIPLE FOOTPRINTS

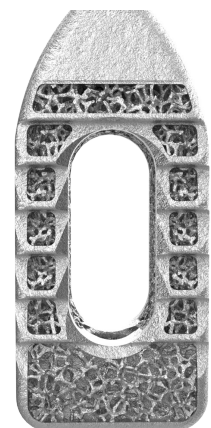
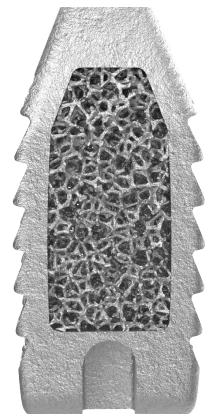
- Various lordotic angulation profile options up to 16° to conform to various patient anatomies

TAPERED LEADING EDGE

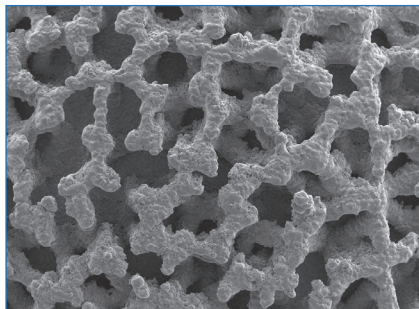
- Facilitates ease of insertion

LARGE GRAFT FENESTRATIONS

- Allows for a copious amount of bone grafting material, which may result in increased bone ingrowth

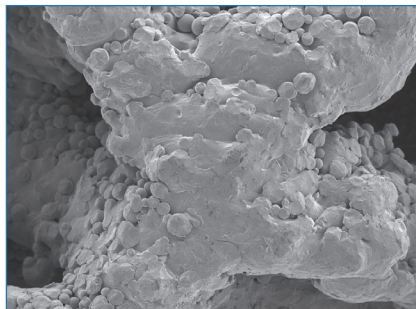


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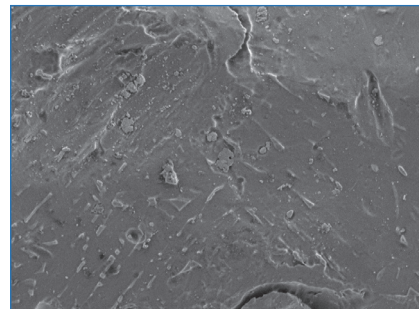
Macro-structure

- Rough surface provides high primary implant stability
- Modulus of elasticity is close to that of cancellous bone, avoiding stress shielding and implant subsidence



Micro-structure

- Pore size of facilitates a fast natural cellular influx, leading to a solid bony fusion and subsequent secondary stability
- Ideal 500Qm



Nano-structure

- Rough titanium alloy increases osteoblast proliferation, BMP response, and stimulates an angiogenic-osteogenic environment
- Enhances bone formation, implant stability and fusion

SIZE TABLE					
Length (mm) \ Width (mm)	7	8	9	Height	Lordosis
25				7mm-16mm	4°, 8°
28					0°, 4°, 8°
31					0°, 4°, 8°, 12°
35					0°, 4°, 8°, 12°
38					0°, 4°, 8°, 12°, 16°
40					0°, 4°, 8°, 12°, 16°
42					0°, 4°, 8°

* Starting heights vary based on lordosis.

