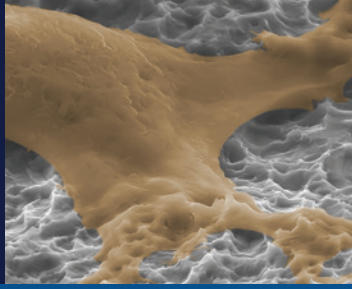
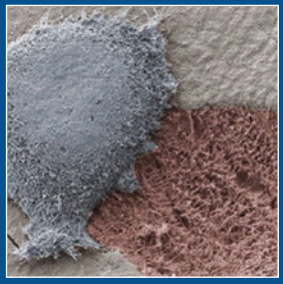
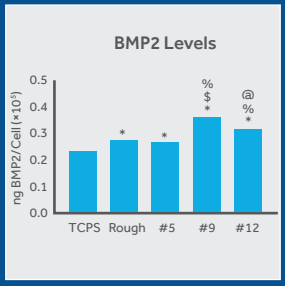
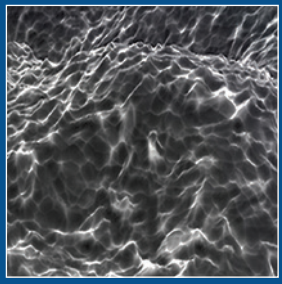
INSPIRED BY NATURE

Titan nanoLOCK™









Inspired by nature

- Utilizes "biomimicry" of structures involved in the bone remodeling process‡
- Micro texture designed to mimic osteoclastic pit geometry
- Nano texture mimics the nano "spike" topography within these osteoclastic pits

Driven by science

- Research-first approach to development
- Six peer reviewed published *in vitro* studies on Titan nanoLOCK Surface Technologies
- nanoLOCK selected from 36 surface iterations evaluated for nano-architecture and *in vitro* response§

Nano Surface Technology

- Proprietary blend of surfaces at the macro. micro, and nano levels
- Macro texture on endplate contact surfaces for initial fixation†
- Micro and nano textures present on all surfaces

Medtronic
Further, Together

MICHELSON TECHNOLOGY AT WORK

† Internal Testing.
‡ Internal Testing.
§ Internal Testing.

The most comprehensive titanium interbody portfolio on the market







	TL	TAS/TASh	TA	TT	TO	TCS	TC
Approach	LATERAL	ALIF	ALIF	TLIF	PLIF, TLIF	ANTERIOR CERVICAL	ANTERIOR CERVICAL
Material	Titanium Alloy	Titanium Alloy	Titanium Alloy	Titanium Alloy	Titanium Alloy	Titanium Alloy	Titanium Alloy
Height (mm)	8 – 14 in 1 mm increments	7: 10 – 17 in 1 mm increments 16: 12 – 20 in 2 mm increments 20: 14 – 20 in 2 mm increments 24: 16 – 20 in 2 mm increments	10 – 17 in 1 mm increments	8 –15 in 1 mm increments	8 –15 in 1 mm increments	5 – 12 in 1 mm increments	5 – 12 in 1 mm increments
Lordosis	7°	TAS: 7°, 12° TASh: 16°, 20°, 24°	7°	4°	0° (Biconvex), 4°	6°	6°
Footprint (mm)	18 x 45 – 60 in 5 mm increments 22 x 45 – 60 in 5 mm increments	32 × 21 36 × 24 40 × 27	32 × 21 36 × 24 40 × 27	30 × 11 35 × 11	22 × 9 26 × 9 31 × 11 (0° ONLY)	12 × 14 14 × 16 16 × 18	12 × 14 14 × 16 16 × 18
Tech-nology Platform	Endoskeleton™ and nanoLOCK	Endoskeleton (7°, 12° ONLY) and nanoLOCK	Endoskeleton and nanoLOCK	Endoskeleton and nanoLOCK	Endoskeleton and nanoLOCK	Endoskeleton and nanoLOCK	Endoskeleton and nanoLOCK
Intrinsic Fixation	None	5.5 mm or 6.5 mm Standard Screws	None	None	None	3.5mm or 3.8 mm Standard and Locking Screws	None

INDICATIONS

The Endoskeleton lumbosacral interbody fusion devices are indicated for use in skeletally mature patients with Degenerative Disc Disease (DDD) at one or two contiguous levels from L2-S1; Endoskeleton cervical interbody fusion devices are indicated for use for anterior cervical interbody fusion in skeletally mature patients with degenerative disc disease (DDD) of the cervical spine at one disc level from C-3 to C-7. Patients should have received 6 months of non-operative treatment prior to treatment with the devices. Endoskeleton devices are indicated to be used with autograft bone and/or allograft bone comprised of cancellous and/or corticocancellous bone and/or demineralized allograft bone with bone marrow aspirate.

Risks:

- Bending, loosening, or fracture of the implants or instruments
- Loss of fixation
- Sensitivity to a metallic foreign body

Medtronic
Further, Together