

Magnum+[®]

Stand-Alone, No Profile ALIF
With Ti-Bond[®] Titanium Porous Coating



Single Approach.
Maximum Control.

Magnum+® | Stand-Alone, No Profile ALIF System



Advanced Locking ALIF System +

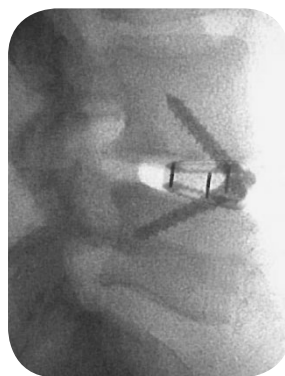
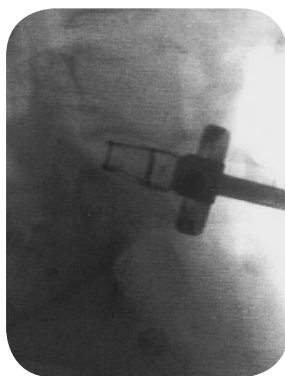
Minimize Complexity

- Locking Screws
- Lag Compression
- Multiple Insertion Options
- Controlled Delivery
- Mechanical Stability

Titanium Porous Coating

Maximize Success

- Immediate Stability
- Load Sharing
- Radiolucent
- Increased Surface Topography
- Hydrophilic



Radiographs showing: Loss of disc height at L4-L5; Insertion Tool/ Instrument Guide placing Magnum+ implant; implant in place and restoration of natural spine height.

Ti-Bond® | Titanium Porous Coating

The Science Behind The Bio-Technology

Hydrophilic

Ti-Bond's structure provides for its hydrophilic (fluid absorbing) properties. PEEK is naturally hydrophobic (repelling fluid).

Microstructure

The microtextured titanium surface consists of random unconnected pores. The pores in the Ti-Bond coating range in size between 200 and 500 microns.

All the Benefits of PEEK

Unlike with all-metal or silicon nitride implants, fusion progress can be monitored radiographically with radiolucent Lucent Ti-Bond. The application of the porous coating preserves the mechanical properties of the PEEK, including the modulus of elasticity.¹

Immediate Stability and Long-Term Fixation

The plasma sprayed coating results in increased surface topography.

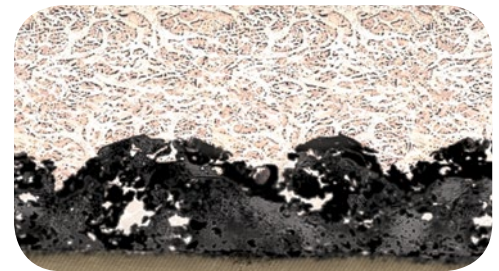
Proven Clinical History

Porous plasma-sprayed titanium coatings have over 30 years of clinical use in orthopedics.² In addition, Lucent interbody implants have been used successfully for more than 8 years.



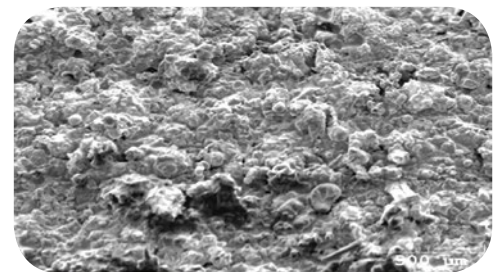
Hydrophilic:

To view a demonstration of Ti-Bond's hydrophilic properties, scan the QR code or visit spinelements.com/ti-bond.

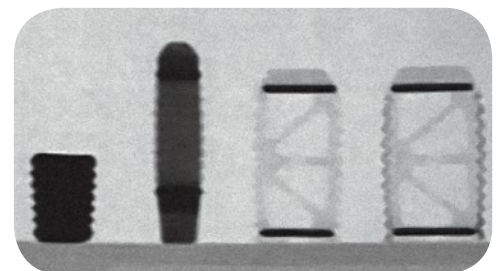


Microstructure:

The porous titanium creates a microstructure that increases surface area of bony contact.



Ti-Bond Titanium Porous Coating:
Random, unconnected pores.



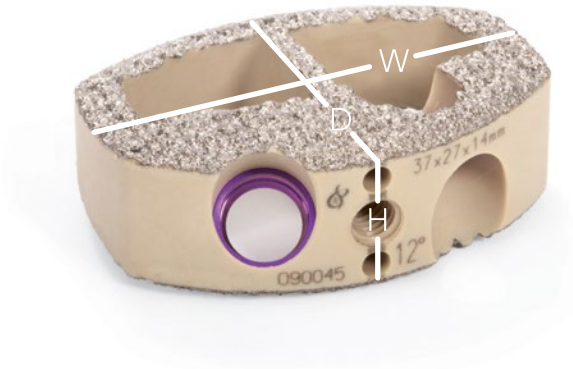
Imaging:

Radiolucency is maintained with Ti-Bond coating. Left to right: Zimmer Trabecular Metal™, Amedica® Silicon Nitride, Standard Lucent, Lucent Ti-Bond.

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6°



12°






18°

Interbody

Width	Depth	Height	Lordosis
30	25	10-20*	6°, 12°, 18°
37	27	10-20*	6°, 12°, 18°
41	27	10-20*	6°, 12°, 18°

Dimensions expressed in millimeters
*2mm increments.

Screws

	Diameter	Length
	5.5	20
	5.5	25
	5.5	30

Dimensions expressed in millimeters

References

1. Data on file at Spinal Elements, Inc.
2. Biomet PPS[®] Porous Plasma Spray coating has been available since 1981.

