

## Transforaminal Lumbar Interbody Fusion (TLIF) Solutions

*Renovis Surgical's  
Tesera™ T*



*Renovis Surgical's  
Tesera™ ST*



*Tesera TLIF solutions feature our revolutionary Tesera Trabecular Technology in both a traditional curved, as well as straight formats, giving you maximum intraoperative options to fit any patient anatomy.*

### *Tesera Trabecular Technology™*

- Optimal environment for bone IN-GROWTH and ON-GROWTH
- 3D-printed Titanium-alloy (Ti6Al4V)
- Truly-porous trabecular structure
- Random, interconnected pores (500 micron average pore size)
- 68% Average Porosity
- Hydroxyapatite-blasted, for micro-surface roughness

### *Tesera T (curved TLIF) Sizes*

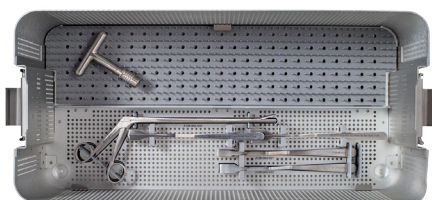
- Available in lengths of 28mm and 32mm X 10mm width
- Available in heights from 7mm – 16mm
- 5° lordotic profile

### *Tesera ST (straight TLIF) Sizes*

- Available in lengths of 30mm and 34mm X 11mm width
- Available in heights from 7mm – 16mm
- Convex profile

### *Instruments*

- Straight Shavers available from 6mm – 14mm (1mm increments)
- Curved and Straight Trials available from 7mm – 14mm (1mm increments)
- Threaded Inserters
- Tamps, disc prep and nerve retractors included

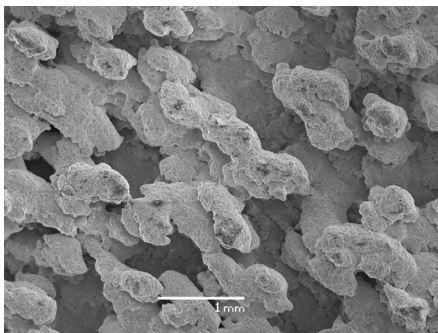


## Renovis Surgical's Tesera™ T / Tesera™ ST - Transforaminal Lumbar Interbody Fusion (TLIF) Solutions

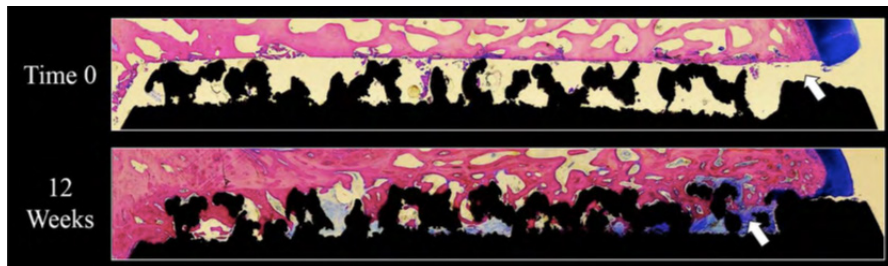
### About Tesera Trabecular Technology (T3)...

Tesera implants feature porous titanium surfaces which create the optimal environment for bone on-growth and in-growth. (Figure 1) Independent study of the Tesera structure proves rapid and complete bone ingrowth at 12 weeks, without press-fit or biologics. (Figure 2)

Tesera implants combine revolutionary manufacturing technology, advanced material science and bioanalogous design into cutting-edge implants that push the expectations of how spinal implants interact with the body.



*Figure 1: SEM image of the outer surface of the Tesera porous structure.<sup>1</sup>*



*Figure 2: Pictured above is a 75µm section view from a weight-bearing Ovine study showing bone ingrowth into the Tesera trabecular structure at 12 weeks.<sup>2</sup>  
Black=Titanium, Pink=Bone, Blue=Fibrous Tissue and White=Pore Space*

#### REFERENCES

1. Data on file with Renovis Surgical. SEM Evaluation. Test Report K13047307-1.
  2. Surgeries were performed at IMDS Discovery Research (Logan, Utah); processing and analysis of the specimens was conducted by the Bone and Joint Research Laboratory (Salt Lake City, Utah). Data on file with Renovis Surgical.
- \* The Ovine study data shown is representative of Renovis Surgical Technologies' Electron Beam additively manufactured porous structure. Tesera P/T/ST implants are manufactured using a laser sintering additively manufactured porous structure, but are representative of the Electron Beam porous structure.



*Tesera™ Spinal Implants:  
Tesera P, Tesera SA, Tesera SC,  
Tesera ST and Tesera T*

#### Available Tesera™ Systems:

Tesera P	PLIF
Tesera SA	Stand-alone ALIF
Tesera SC	Stand-alone Cervical
Tesera ST	Straight TLIF
Tesera T	TLIF

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