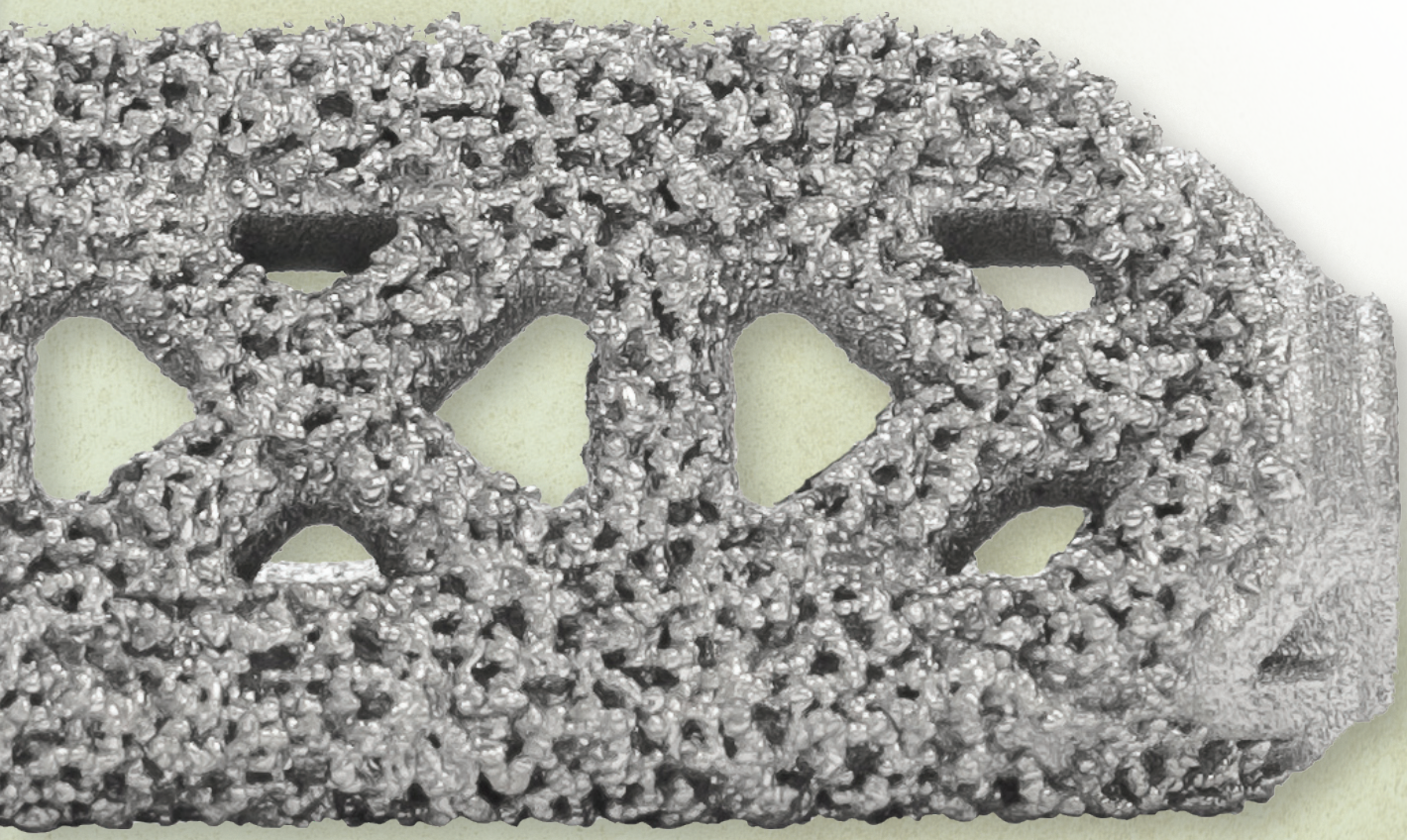
SI-BONE®

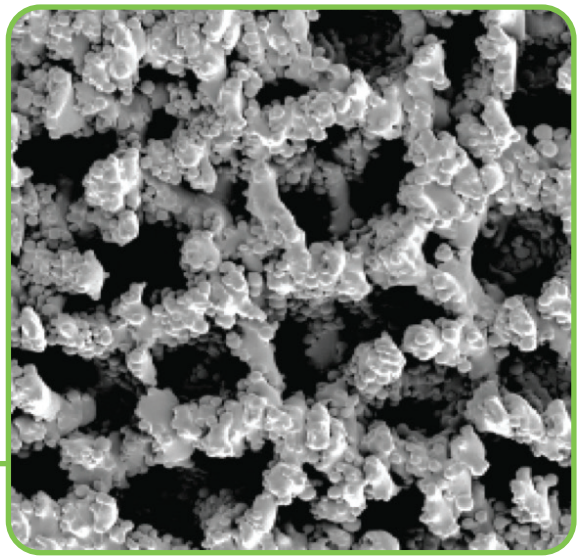


iFuse-3D

The SI Joint Implant Allowing Bone Ingrowth, Ongrowth and Through Growth[1]

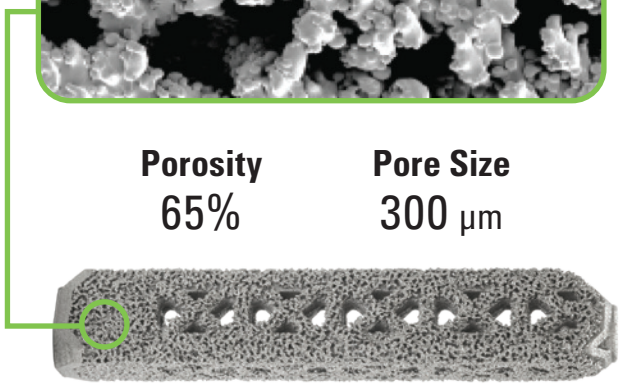
Surface Mimics Native Cancellous Bone

iFuse-3D Surface



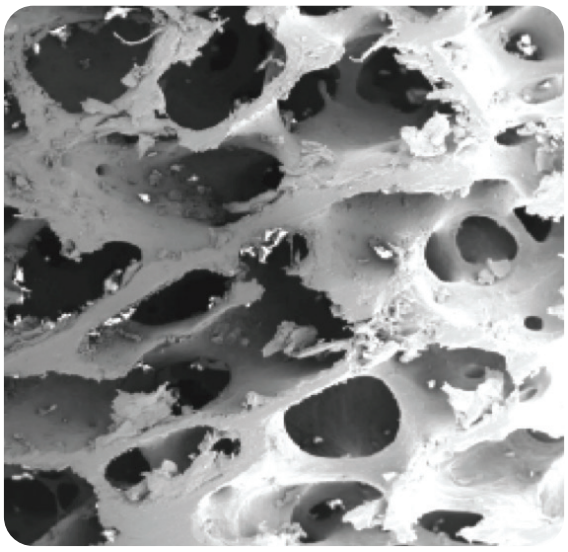
Porosity 65%

Pore Size 300 µm



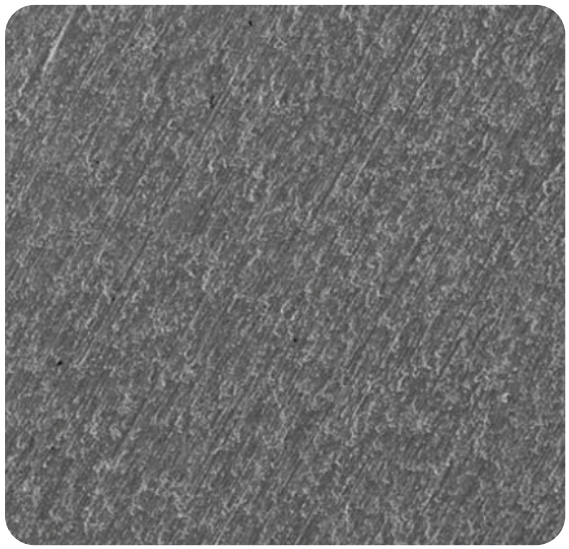
- 3D-Printed "Bone-Like" Surface may enhance osteointegration.[2,3,4]

Cancellous Bone



Porosity 60-70%

Pore Size 200-400 µm



Typical Screw Surface

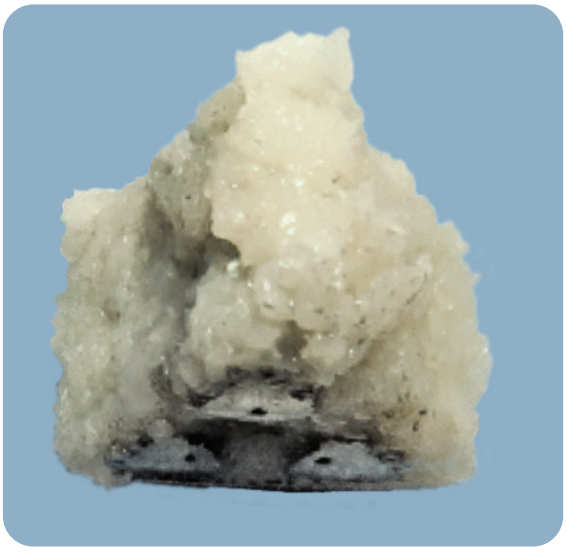
(Anodized Ti6Al4V)

Porosity None

Pore Size None

Bone Ingrowth, Ongrowth, Through Growth[1]

Top View

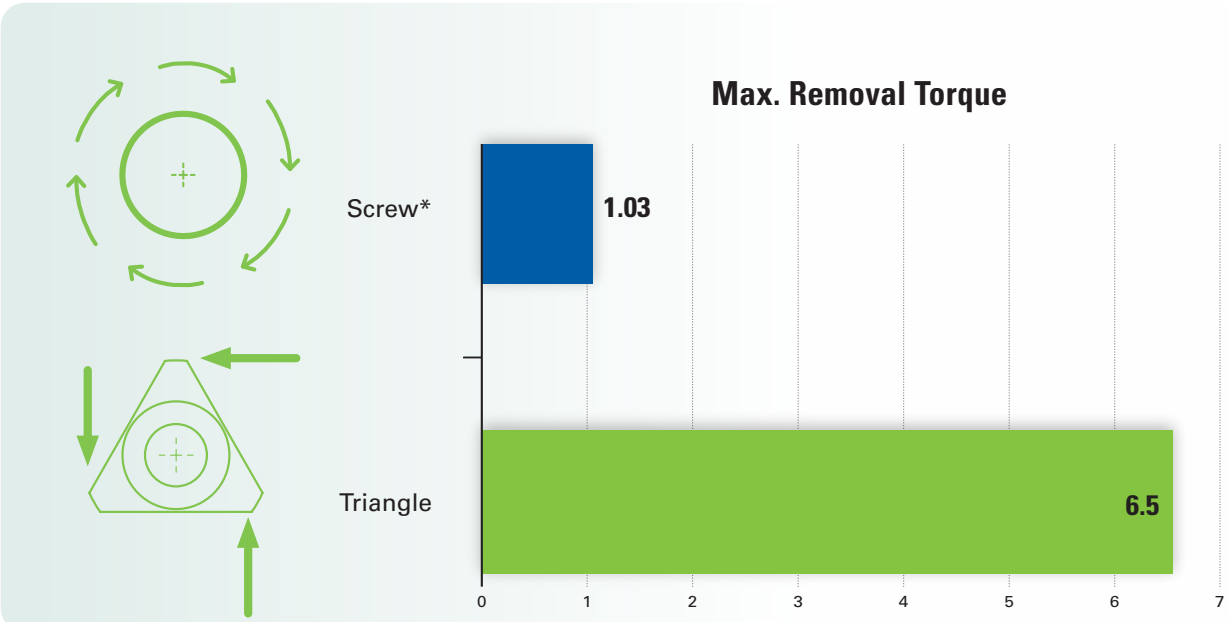


Cross-section View

Sheep study results at 12 weeks post-implantation

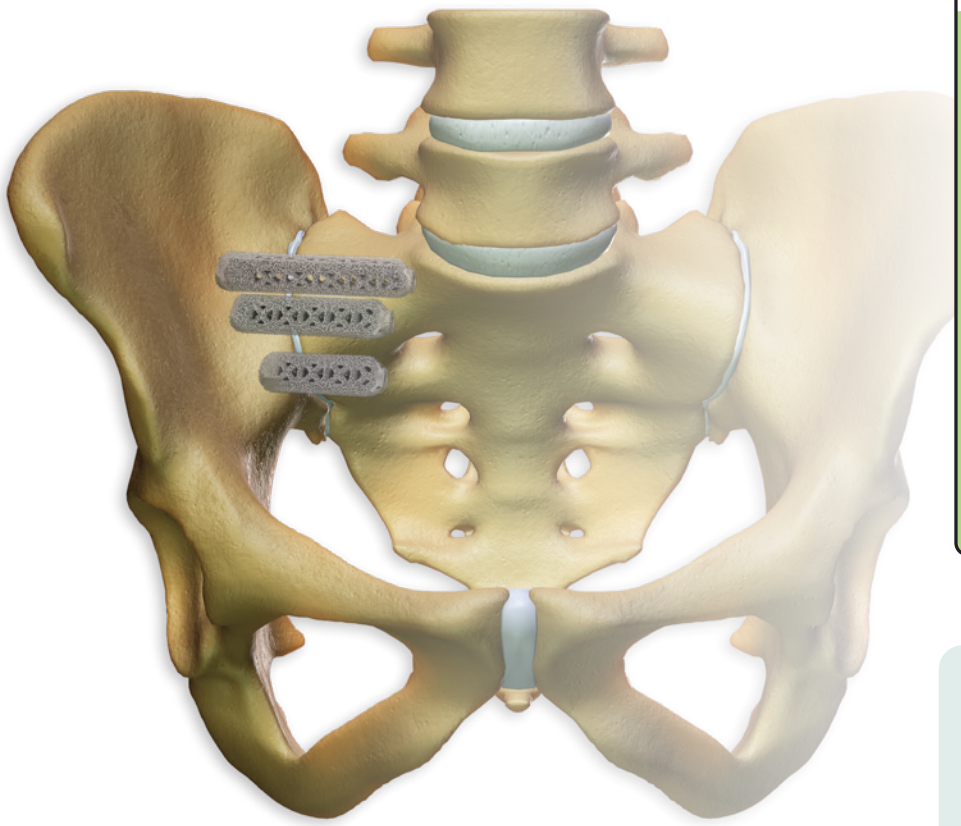
- Self-Harvesting Bone Technology: iFuse-3D captures bone during implantation that may be deposited into the implant.[1]
- Surgeons can pack the implant with autograft or allograft material, 1-3 cc depending on implant size.

Triangular design has 6X more rotational resistance than screws*[5]



*12 mm cannulated SI joint screw

iFuse-3D Implants



Implant Length (mm)	7.0 mm Diameter
35	7035M-90
40	7040M-90
45	7045M-90
50	7050M-90
55	7055M-90
60	7060M-90
65	7065M-90
70	7070M-90
75	7075M-90
80	7080M-90
85	7085M-90
90	7090M-90

Ordering Information

To order your iFuse Implant System, please contact your local SI-BONE sales representative or call SI-BONE at **408.207.0700**

References

1. MacBarb RF, *et al.* Fortifying the Bone-Implant Interface Part 2: An In Vivo Evaluation of 3D-Printed and TPS-Coated Triangular Implants. *Int J Spine Surg.* 2017;11(3):16.
2. MacBarb RF, *et al.*Fortifying the Bone-Implant Interface Part 1: An In Vitro Evaluation of 3D-Printed and TPS Porous Surfaces. *Int J Spine Surg.* 2017;11(3):15.
3. Karageorgiou V, Kaplan D. Porosity of 3D Biomechanical Scaffolds and Osteogenesis. *Biomaterials.* 2005;26(27):5474-91.
4. Hutmacher DW. Scaffolds in Tissue Engineering Bone and Cartilage. *Biomaterials.* 2000;21(24):2529-43.
5. SI-BONE Technical Study 300610-TS.

SI-BONE®

SI-BONE, Inc.
471 El Camino Real
Suite 101
Santa Clara,
CA 95050 USA

t 408.207.0700
f 408.557.8312
info@si-bone.com
si-bone.com

US Providers

9796.053119

A list of additional published studies is available at *www.si-bone.com/results*

The iFuse Implant System® is intended for sacroiliac fusion for conditions including sacroiliac joint dysfunction that is a direct result of sacroiliac joint disruption and degenerative sacroiliitis. This includes conditions whose symptoms began during pregnancy or in the peripartum period and have persisted postpartum for more than 6 months. The iFuse Implant System is also intended for sacroiliac fusion to augment immobilization and stabilization of the sacroiliac joint in skeletally mature patients undergoing sacropelvic fixation as a part of a lumbar or thoracolumbar fusion.

There are potential risks associated with the iFuse Implant System. It may not be appropriate for all patients and all patients may not benefit. Rx Only.
For information about the risks, visit *www.si-bone.com/risks*