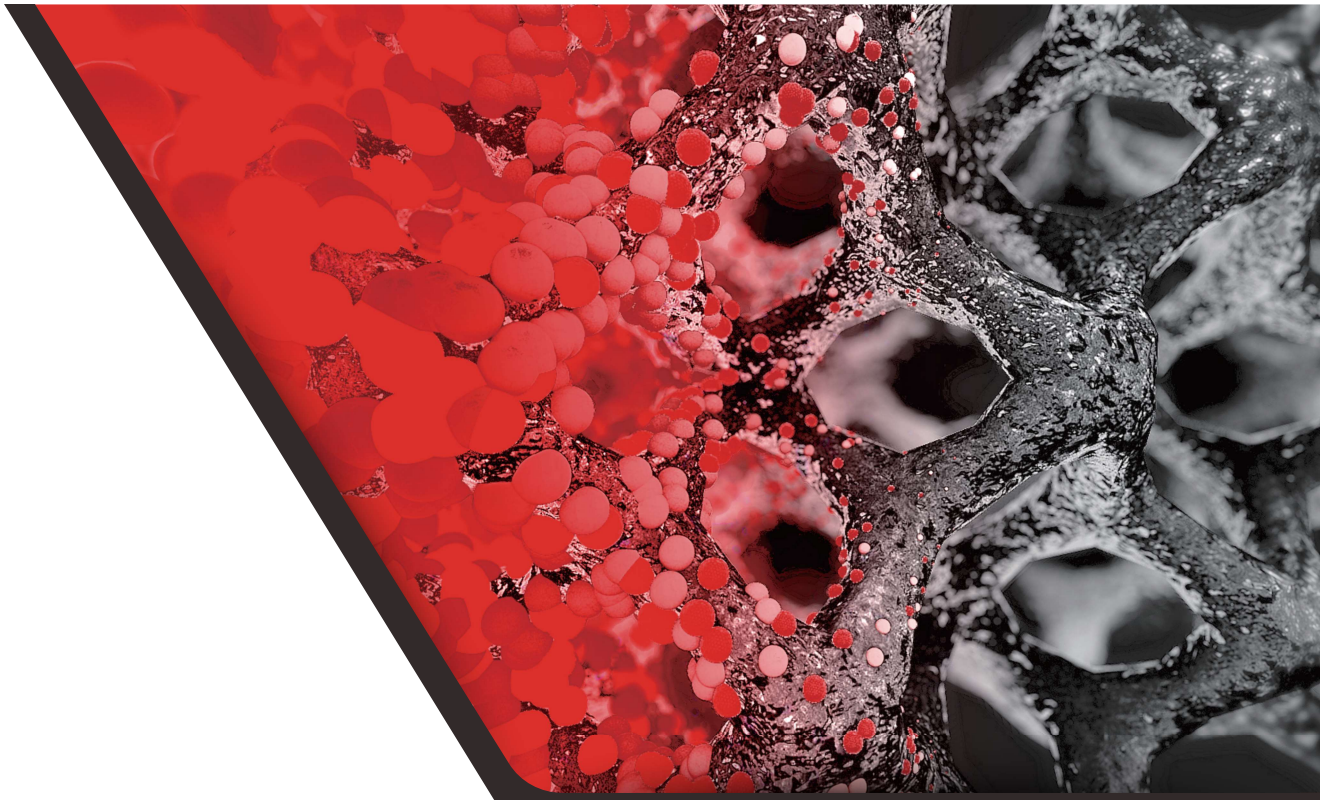
GENOSS
For Patients & Doctors



GENOSS 3d Cage™

Fusion
All around

- Consists of ~88% porosity and a diamond pore size of 250μm~1,200μm
- Suitable elastic modulus avoids stress shielding and bone resorption
- Produced with Selective Laser Melting[SLM] technique

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Manufacturer FIMS Co., Ltd.
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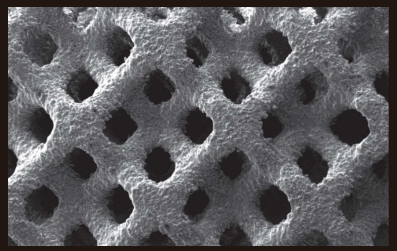
Structure for Fusion

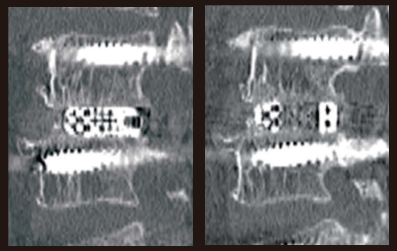
GENOSS 3d Cage™ consists of ~88% porosity and a diamond pore size of 250μm~1,200μm, mimicking bone structure



Enhanced Visibility

Excellent imaging characteristics

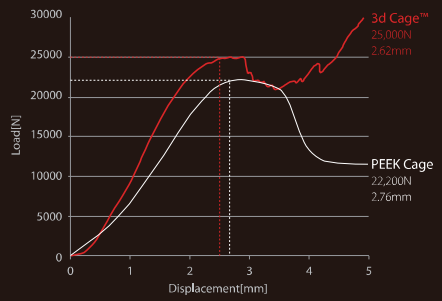
- Implant contours visible under x-ray, fusioin area clearly visible due to high implant porosity
- MRI and CT compatible



Compressive Strength

GENOSS 3d Cage™ is better in standing static compressions than PEEK Cage

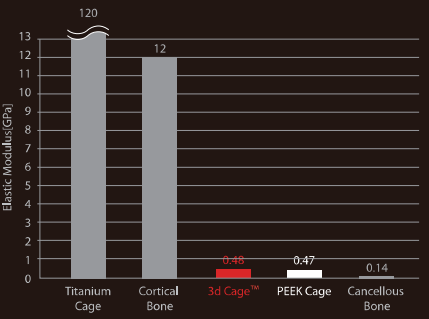
- 13% increased compared to PEEK Cage



Elastic Modulus

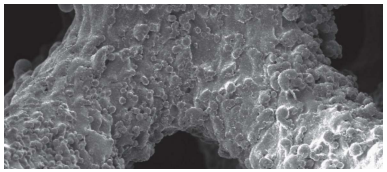
Suitable elastic modulus avoids stress shielding and bone resorption

- GENOSS 3d Cage™ has equivalent level with PEEK Cage



Initial Stability

Rough elevated surface provides high primary stability



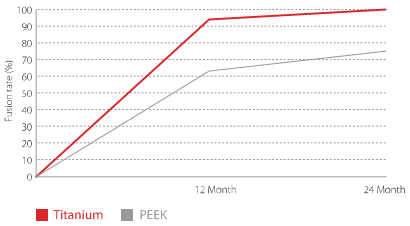
SLM Technique

GENOSS 3d Cage™ is produced with Selective Laser Melting[SLM] technique

Comparison of Fusion Rate (Titanium VS PEEK)

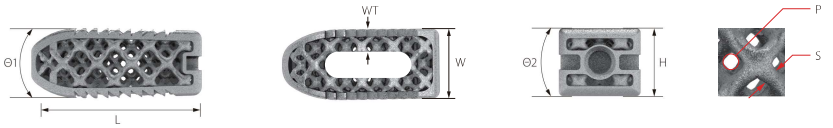
Improvement of clinical outcomes was comparable between the two groups, based on the criteria using computed tomography, 96% in the Titanium group and 64% in the PEEK group showed fusion at 12 month. At 24 months fusion rate in the Titanium group was increased to 100%, while PEEK group showed 76% of fusion rate

1) Nemoto, O., Asazuma, T., Yato, Y., Imabayashi, H., Yasuoka, H. and Fujikawa, A. Comparison of fusion rates following transforaminal lumbar interbody fusion using polyetheretherketone cages of titanium cages with transpedicular instrumentation. Eur Spine J. 2014 Oct;23(10):2150-5. doi:1007/s00586-014-3466-9. Epub 2014 jul 12.



Order Information

A wide variety of shape is available on upon request



Product	H(mm)	W(mm)	L(mm)	Θ1(°)	Θ2(°)	P(mm)	S(Ø)	WT(mm)
LC	7~15	9~16	22~36	0°~8°	0°~8°	0~1.2	0.7~1.2	3~8