enovis™

SMR STEMLESS & SMR *T7* HYBRID GLENOID

a LimaCorporate family product

Balanced by design

EVOLVED MODULARITY

RELIABLE FIXATION

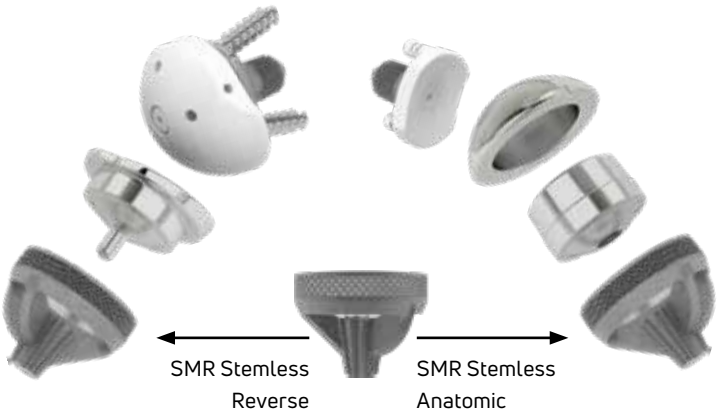
PROVEN PERFORMANCE

SMR STEMLESS & SMR T*T* HYBRID GLENOID

BALANCED BY DESIGN

Based on the established heritage[2,3,4] of the SMR System, the SMR Stemless allows the surgeon to perform anatomic, reverse or CTA Head prosthesis minimizing humeral bone removal.[1]

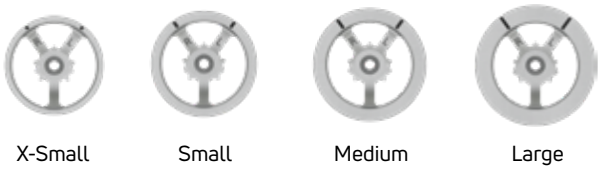
Featuring a modular design, the SMR Stemless is a fully convertible implant, allowing the surgeon to convert the implant from anatomic to reverse without removing a well-fixed Stemless Core.[16] This universal inlay component is able to host an adaptor in case of anatomic configuration or a reverse liner in reverse shoulder arrangement.



Stemless cores range offers the surgeon the possibility to choose the most appropriate solution according to the patient's anatomy.

#8
DIFFERENT CORE OPTIONS

4
DIAMETERS



2
HEIGHTS EACH

Curved & straight fins.
The Stemless Core is designed to fit into the trabecular structure of the humeral metaphysis.
It is combined with T*T* structure to maximise fixation in the higher density bone region.[5, 13-14]

In the anatomical configuration the head size range and the adaptors (concentric, eccentric +2 and +4mm) aim at restoring the original head geometry.

Being part of the SMR System, SMR T*T* Hybrid Glenoid provides an **exclusive solution for glenoid replacement.**

It allows for appropriate soft tissue management and enhancement of joint stability.

#12

DIFFERENT GLENOID OPTIONS

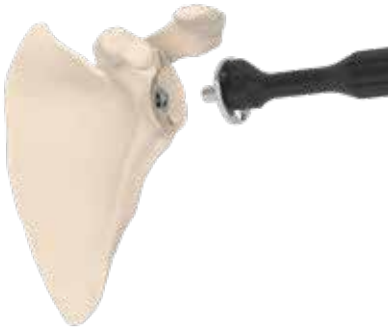
3 **SIZES**
to better fit with glenoid anatomy.

2 **THICKNESSES**
to allow a proper soft tissues tensioning (Regular / +2 mm).

2 **RADII OF CURVATURE**
to increase joint stability (Regular / Low).

SMR T*T* Hybrid Glenoid is the first convertible glenoid component with hybrid fixation,[17-18] thanks to the modularity between the central peg and reverse baseplate.

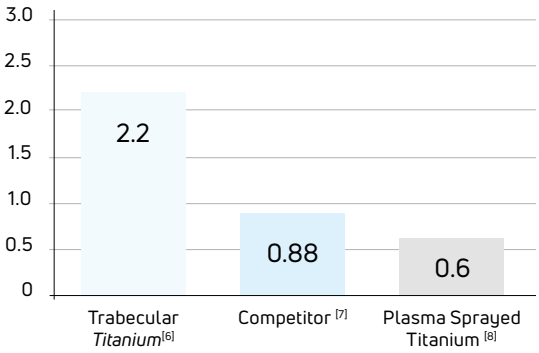
- Pre-assembled polyethylene disconnection thanks to dedicated instruments.
- Connection of a dedicated reverse baseplate to convert to RSA leaving the well fixed central peg in situ.

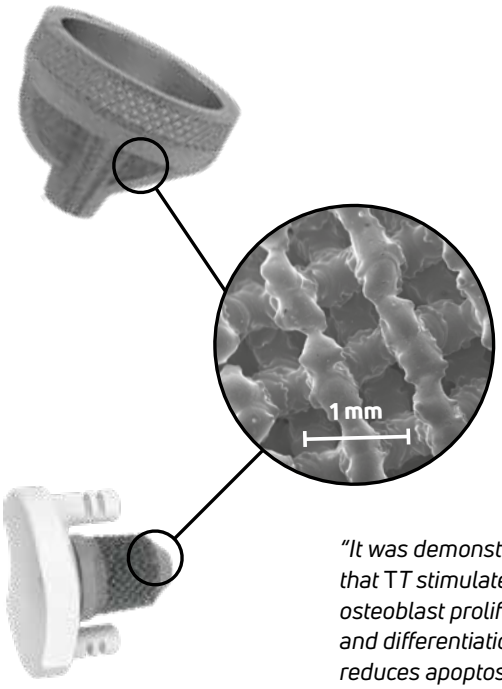


The SMR Stemless core[6,9-12] and the SMR T*T* Hybrid Glenoid 3D printed central peg[6-7,9-11,13] have been designed to achieve strong primary fixation and osseointegration.

Trabecular *Titanium* provides significantly high bone ingrowth percentages, both in cancellous and cortical bone.[11]

Moreover, Trabecular *Titanium* technology maximises component stability thanks to the high friction coefficient with trabecular bone.[6]





"It was demonstrated that TT stimulates osteoblast proliferation and differentiation, and reduces apoptosis."[9]

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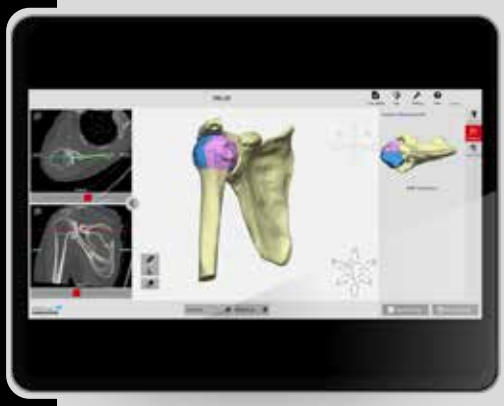

Find **SMR Stemless and SMR *TT* Hybrid Glenoid** integrated in our Pre-Operative Planner software powered by Materialise** to plan cases in a simple, automated and independent manner.

- Auto-Segmentation.
- User-friendly interface.
- 360° planning.
- Plan everywhere.
- Patient specific instruments.

** Materialise NV is the proprietor and - to all effects - the legal manufacturer of the pre-op planning software.

BIBLIOGRAPHY

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Creating Better Together™