MRS-TITAN
STANDARD AND MAXIMUM



THE COMBINATION OF
EXPERIENCE AND INNOVATION

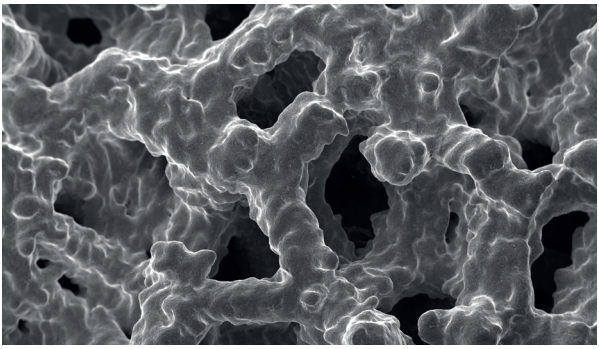
REVISION CUP SYSTEM

The cementless modular revision sup system with its innovative surface structure was developed on the basis of current scientific expertise to ensure the best possible treatment of the patient.

The system is suitable for the treatment of acetabular bone defects of types I through IIIb according to Paprosky. With its various sizes and implant versions (with or without anatomical strap), the system offers a high degree of flexibility in providing adequate solutions for defect management. The system's convenient handling and simple technique allow time-saving implantation.

Innovative surface structure

- Open-pored, trabecular, and rough for high initial stability and long-term osseointegration
- Additive manufacturing process (3D printing)



SEM image of the surface structure magnified 50 times
(Courtesy of IMA Materialforschung und Anwendungstechnik GmbH)

IMPLANT OPTIONS

In the setting of a defect-oriented indication, the modular iliac peg and the implant versions give the surgeon the flexibility necessary to adequately address the various bony acetabular defect situations.

		Defect classification according to Paprosky	Sizes
	**MRS-TITAN Standard**	Type I - IIb	Ø 48-76 mm, in 2 mm steps
	**MRS-TITAN Maximum** with anatomical strap R/L	Type IIc - IIIa	Ø 48-76 mm, in 2 mm steps
	**MRS-TITAN Maximum** with anatomical strap R/L and iliac peg in 3 lengths (30, 50, 70 mm)	Type IIIb	Ø 48-76 mm, in 2 mm steps

SIZES AND CHARACTERISTICS

Insert versions and sizes

- XL-PE+VitE inserts for head diameters Ø 28 (48-50), 32 (52-54) and 36 mm (56-76)
- Dysplasia 20°
- Open

Implant characteristics

- Cementless, modular
- High rotational stability (oval)
- High initial stability ensured by
  - Innovative trabecular surface structure
  - Press fit fixation
  - Screw fixation
  - Iliac peg

- Proven biocompatible titanium alloy Ti6Al4V
- Porosity ≥ 60 %
- Pore size 330-910 µm
- XL-PE+VitE
- No use of CMR substances (carcinogenic, mutagenic, reprotoxic)



ADVANTAGES

- The system is suitable for a broad spectrum of indications as it covers a large range of bone defects (Paprosky types I - IIIb)
- No use of CMR substances (carcinogenic, mutagenic, reprotoxic) requiring labelling
- Modular iliac peg provides a high degree of flexibility
- Optimized screw position with or without anatomical strap, with or without iliac peg
- Screw holes can be sealed, reducing the risk of osteolysis due to polyethylene particulate wear
- Clear intuitive technique with a few selected instruments
- Fast surgical technique
- Increased range of motion (ROM)



The instructions for use and surgical technique must be observed.

PETER BREHM
Die Präzision in Titan
für den Menschen

PETER BREHM GmbH
Am Mühlberg 30
91085 Weisendorf
Germany

Telephone +49 9135 7103-0
Fax +49 9135 7103-16
info@peter-brehm.de

www.peter-brehm.de/en/

CE 0482

LBL546-41-20261028-EN