

EXCLUSIVE DISTRIBUTOR IN BRAZIL

ATTIS

M E D I C A L

MATHYS 
European Orthopaedics

For healthcare professional use only. The illustrated image does not represent a connection between the use of the medical device described, nor its performance.



balanSys BICONDYLAR
TiNbN-coated implants



Cruciate retaining
prosthesis



Ultra-congruent
prosthesis



Posterior stabilised
prosthesis

balanSys BICONDYLAR TiNbN-coated implants lead to **lower metal ion concentrations** and **satisfying clinical performance**.¹

¹ Postler, A.: Similar outcome during short-term follow-up after coated and uncoated total knee arthroplasty: a randomized controlled study. *Knee Surgery, Sports Traumatology, Arthroscopy*, 2018.

TiNbN implants – reduced allergy risk

Coated implants developed for patients with hypersensitivity to metal ions.

Some patients worry about allergic reactions caused by metal ions. For these patients, we offer TiNbN *-coated tibia and femur components. The special TiNbN coating is an abrasion-resistant layer that reduces the release of metal ions into the patient, and can thus reduce the risk of allergic reactions to the implant.



* TiNbN = titanium niobium nitride

Your advantages

- Reduced allergy risk for patients
- Standard solution with immediate availability from stock
- Familiar surgical technique using standard instruments

Physical vapour deposition

The special coating process – physical vapour deposition (PVD) – is widely used in the orthopaedics sector. It allows a protective layer of TiNbN to be deposited on the implant, **reducing** wear and the **release of metal ions** in the patient.

The PVD process guarantees **excellent adhesion** of the coating while preserving the outstanding biomechanical functionality of the balanSys BICONDYLAR implants.

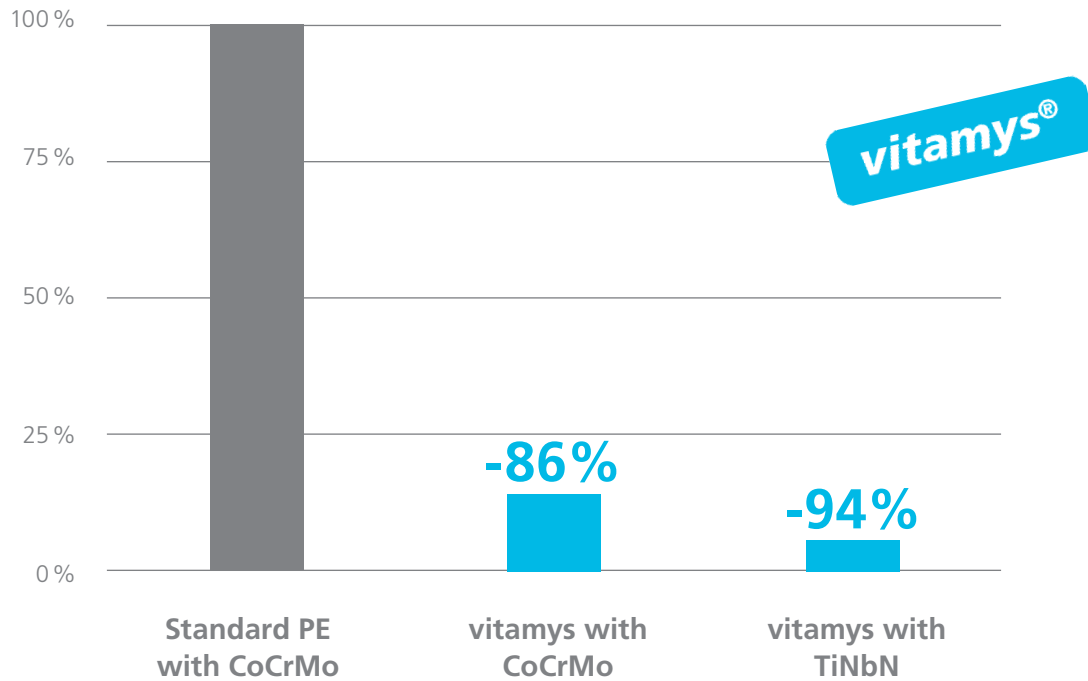
The 4,5 µm thick coating is characterised by **excellent hardness** and surface texture: The lower coefficient of friction in contact with the inlay reduces inlay wear compared to CoCrMo implants.²

balanSys TiNbN implants offer the same benefits to patients as the uncoated versions do – **proven, stable and durable**.

² Data on file at Mathys

Reduction of wear²

% wear reduction balanSys BICONDYLAR



² Data on file at Mathys

Australia Mathys Orthopaedics Pty Ltd
Lane Cove West, NSW 2066
Tel: +61 2 9417 9200
info.au@mathysmedical.com

Austria Mathys Orthopädie GmbH
2351 Wiener Neudorf
Tel: +43 2236 860 999
info.at@mathysmedical.com

Belgium Mathys Orthopaedics Belux N.V.-S.A.
3001 Leuven
Tel: +32 16 38 81 20
info.be@mathysmedical.com

France Mathys Orthopédie S.A.S
63360 Gerzat
Tel: +33 4 73 23 95 95
info.fr@mathysmedical.com

Germany Mathys Orthopädie GmbH
«Centre of Excellence Sales» Bochum
44809 Bochum
Tel: +49 234 588 59 0
sales.de@mathysmedical.com

«Centre of Excellence Ceramics» Mörsdorf
07646 Mörsdorf/Thür.
Tel: +49 364 284 94 0
info.de@mathysmedical.com

«Centre of Excellence Production» Hermsdorf
07629 Hermsdorf
Tel: +49 364 284 94 110
info.de@mathysmedical.com

Italy Mathys Ortopedia S.r.l.
20141 Milan
Tel: +39 02 5354 2305
info.it@mathysmedical.com

Japan Mathys KK
Tokyo 108-0075
Tel: +81 3 3474 6900
info.jp@mathysmedical.com

New Zealand Mathys Ltd.
Auckland
Tel: +64 9 478 39 00
info.nz@mathysmedical.com

Netherlands Mathys Orthopaedics B.V.
3001 Leuven
Tel: +31 88 1300 500
info.nl@mathysmedical.com

P. R. China Mathys (Shanghai) Medical Device Trading
Co., Ltd
Shanghai, 200041
Tel: +86 21 6170 2655
info.cn@mathysmedical.com

Switzerland Mathys (Schweiz) GmbH
2544 Bettlach
Tel: +41 32 644 1 458
info@mathysmedical.com

United Kingdom Mathys Orthopaedics Ltd
Alton, Hampshire GU34 2QL
Tel: +44 8450 580 938
info.uk@mathysmedical.com

Local Marketing Partners in over 30 countries worldwide ...

