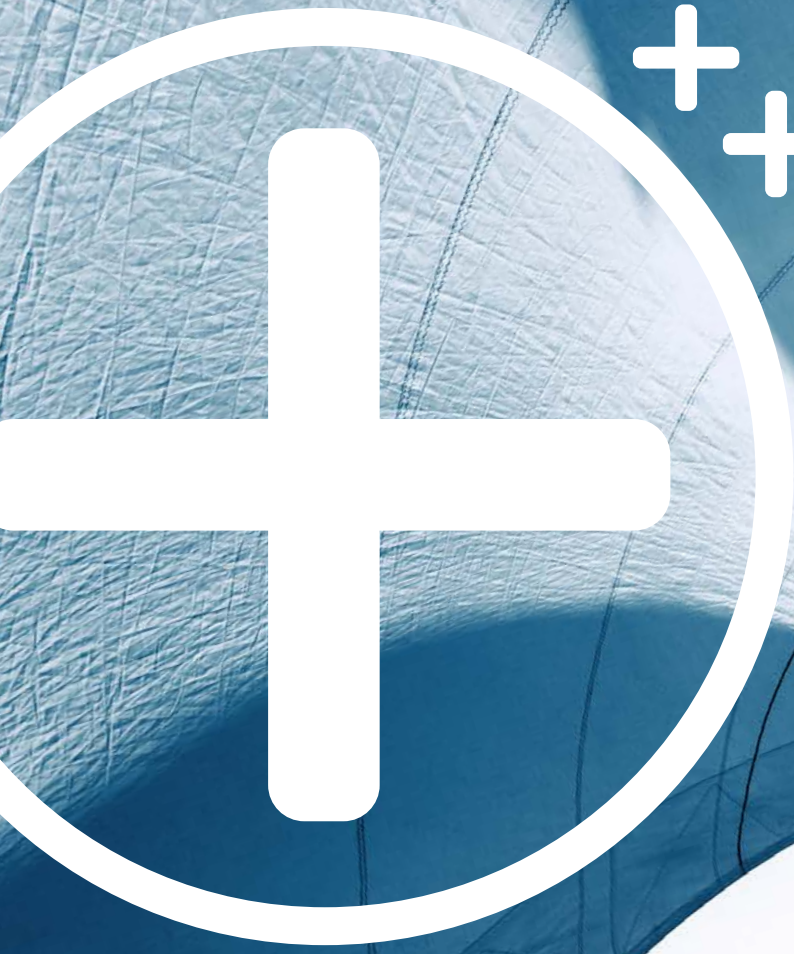


MATHYS 
European Orthopaedics



**20 YEARS
CLINICAL
EXPERIENCE**

balanSys BICONDYLAR
It's a PLUS!

balanSys BICONDYLAR – today even better!

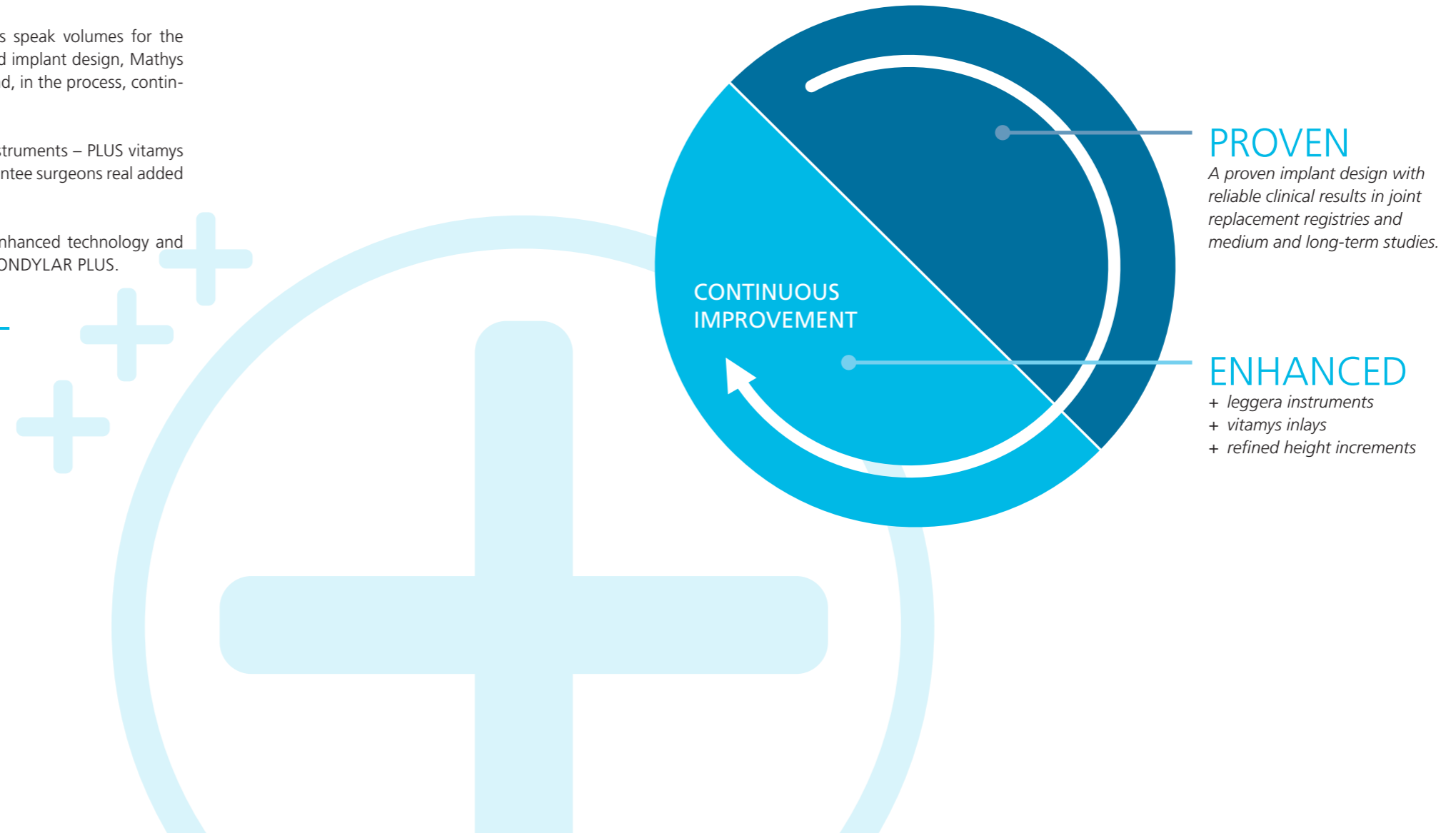
20 years of clinical experience and good revision rates speak volumes for the balanSys BICONDYLAR. Building on this tried-and-tested implant design, Mathys is continuously developing its balanSys BICONDYLAR and, in the process, continuously enhancing this knee system

A proven prosthesis with extra PLUS' – PLUS leggera instruments – PLUS vitamys inlays – PLUS refined inlay thickness increments, to guarantee surgeons real added value in the operating theatre.

Expectations in terms of efficacy, stability, precision, enhanced technology and longevity are combined and continued in balanSys BICONDYLAR PLUS.

balanSys BICONDYLAR –
it's a PLUS.

balanSys BICONDYLAR



Proven prosthesis

20 years of clinical experience and good revision rates speak volumes for the balanSys BICONDYLAR. This knee system demonstrates clinical reliability and scores highly in terms of patient satisfaction.¹

**20 YEARS
CLINICAL
EXPERIENCE**

¹ Heesterbeek, P.: Superior long-term survival for fixed bearing compared with mobile bearing in ligament-balanced total knee arthroplasty. *Knee Surg Sports Traumatol Arthrosc*, 2017.



PROVEN

Safety combined with functionality: Clinical studies demonstrate reliable long-term results and highlight the benefits to patients.

leggera instruments

The name «leggera» is derived from the Italian word meaning «light». legger instruments simplify the procedures involved in implanting the balanSys BICON-DYLAR prostheses and are based on three principles.

1. INTUITIVE

The design of the instruments impresses thanks to their intuitive handling. The settings chosen can be reviewed by sight and precisely adjusted by touch thanks to their characteristic click sound.

2. EFFICIENT

The adjustable components are colour-coded. This allows the practical use of the ergonomic set of instruments with logical steps for the efficient implantation of the prosthesis.

3. LESS COMPLEX

The legger instrument set comprises just four trays providing a complete implantation solution through intelligent design. This ensures that the entire set of instruments can be easily managed at all times.



vitamys inlays

vitamys is a vitamin E-enhanced, highly cross-linked polyethylene that belongs to the class of VEPEs (vitamin-enhanced, highly cross-linked polyethylenes). It is made from GUR 1020-E, a polyethylene with 0.1% alpha-tocopherol (vitamin E).

The advantage of vitamys lies in the beneficial combination of the three properties of mechanical strength, abrasion resistance, and oxidation resistance:

- Good mechanical strength for long-term material performance
- High abrasion resistance for reduced risk of osteolysis
- High oxidation stability for high ageing resistance

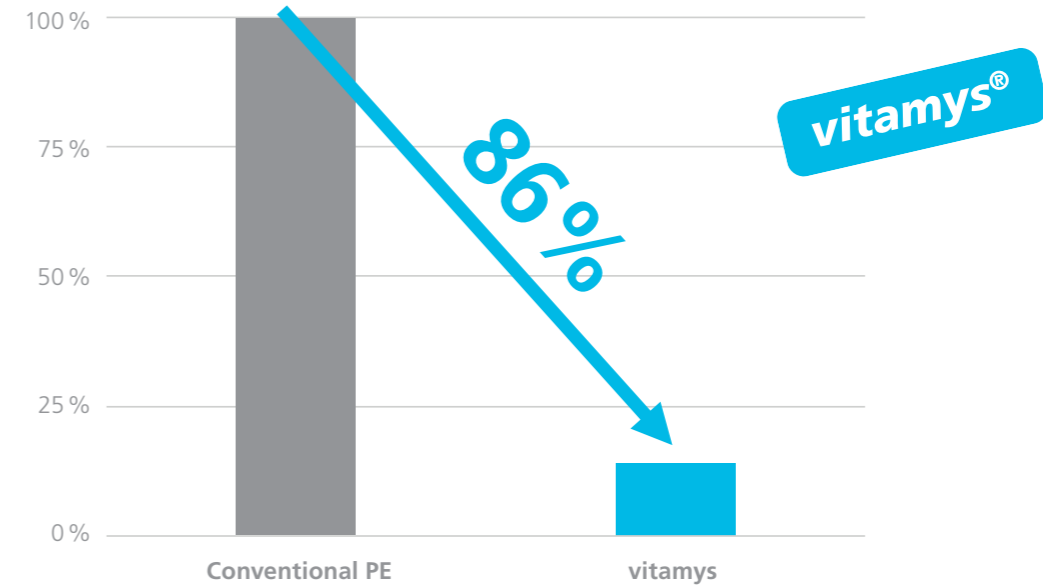
In contrast to the first generation of highly cross-linked polyethylenes, vitamys is manufactured with only a stress relieving heat treatment well below the melting point, in order to ensure the dimensional stability of the material. This leads to the good mechanical strength of vitamys.

The addition of the natural antioxidant vitamin E means that vitamys is highly resistant to oxidation. This preserves its excellent mechanical and tribological properties even after long periods of use.²

² Data on file at Mathys Ltd Bettlach

86% REDUCTION IN WEAR³

% wear reduction vitamys vs. conventional PE balanSys BICONDYLAR



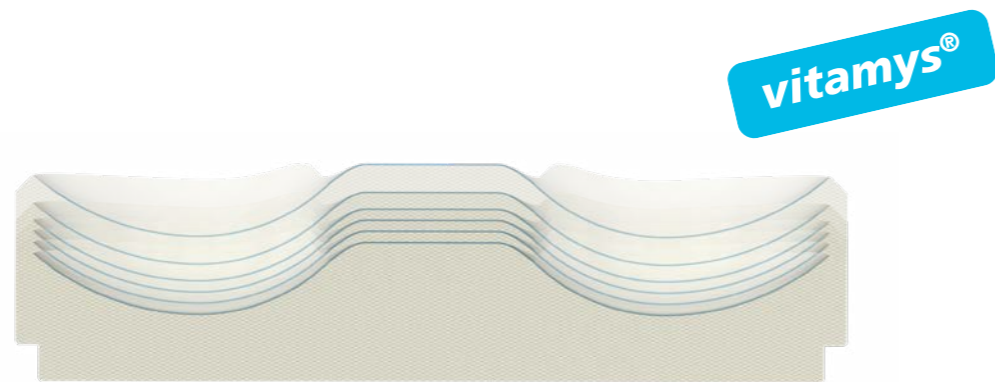
³ Data on file at Mathys Ltd Bettlach

Refined height increments

The balanSys BICONDYLAR knee system offers vitamys inlays with refined height increments:

These refined increments allow precise balancing of the flexion and extension gaps in order to re-establish natural ligament tension. The result? Superb stability throughout the entire range of motion.

With refined height increments, the surgeon gains intra-operative flexibility and can fine-tune the stability with just a few actions before the operation is over.



The **proven,**
stable & enhanced
knee system

balanSys BICONDYLAR



Mathys Ltd Bettlach
Robert Mathys Strasse 5 • 2544 Bettlach • P. O. Box • Switzerland
Tel. +41 32 644 1 644 • Fax +41 32 644 1 161
info@mathysmedical.com • www.mathysmedical.com