OUR MISSION

“FROM STANDARD PRODUCTS TO CUSTOMIZED SOLUTIONS, TO BE YOUR PREFERRED PARTNER IN THE DESIGN, DEVELOPMENT AND MANUFACTURING OF INNOVATIVE SURGICAL DEVICES”
TABLE OF CONTENTS

Our history  4
Competencies  5
Instruments for hip surgery  6
Instruments for knee surgery  8
Instruments for traumatology  9
Cutting tools  10
Our company  11
From the heart of the Swiss watchmaking region, Precimed has grown to become a worldwide leader in orthopaedic instrumentation, notably for hip, trauma, knee and spine surgery.

The Jura-Bernois area of the canton of Berne has a strong industrial heritage. The first steps toward today’s multi-billion dollar watchmaking and precision engineering industries were taken here almost 300 years ago. The skill base and innovative character of the region have continuously developed since that time and have given birth to other industry sectors, which now flourish, notably the medical device industry.

Founded in 1988, Precimed’s track record has been one of impressive product development and growth. In 2008, Precimed joined the American company Greatbatch Medical.

In 2013 the Swiss facilities are acquired by MPS Micro Precision Systems AG, a leading developer and manufacturer of high-precision and innovative microsystems for medical, optical, security and watch applications.
COMPETENCIES

Company profile
MPS Precimed is a leader in orthopaedic and traumatology instrumentation. It is a company of the MPS Micro Precision Systems AG and Faulhaber Group.

Added value of our expertise
- Extended experience in medical device design
- Orthopaedic and traumatology solutions engineering
- Design optimized for cleaning and sterilisation
- Expertise in surgical instruments manufacturing, assembly and inspection

Quality management
With stringent control procedures, we can guarantee and certify a high level of quality, demonstrating the authority of our quality assurance experts in Class I and IIa medical devices.

Production capabilities
- Milling
- Turning
- Thread cutting
- Laser cutting
- Passivation
- Welding
- Rapid prototyping
Broach handle
Broach handles are designed in multiple configurations to enable flexibility in surgical approaches and less invasive techniques. MPS Precimed’s product design can be customized and validated to meet your specific needs. Handles are offered in straight, single and double offset configurations.

Cup impactor
The offset impactor provides controlled positioning and impaction of acetabular cups through a small incision, enabling a less invasive surgical approach. A unique locking mechanism for accurate cup placement during impaction - the cup will not rotate once locked in place.

Reamer handle
Inspired to facilitate MIS procedures, the offset handle incorporates design features that enable correct orientation reaming, simple and stable connection of the reamer, quick assembly and disassembly and optimum cleaning. The side handle adjusts for different angular orientations, providing multiple customized surgical approaches.

Hand-pieces
MPS Precimed offers a complete line of handle options ranging from standard to more complex torque screwdrivers.

Future design development in alternative materials.
Coupled with our precision cutting technology, MPS Precimed offers a large range of reamer profiles for hip, knee and shoulder surgical procedures.
KNEE SURGERY

KNEE REVISION

Extraction clamp
Our innovative extraction clamp design provides a universal tool for the safe extraction of most tibial and femoral prosthesis.

As part of our knee revision instrument kit, this system offers a comprehensive and flexible solution for knee revision surgery.

Comprehensive system solution
Primary system components include:
• Extraction clamp
• Slap hammer
• Hook adapter for slap hammer
• Offset puncher
• Chisel handle
• Allen wrench
Flexible reamer
Made from a flexible Nitinol tube, allowing anatomically appropriate reaming along the natural curvature of the long bone (not possible with a straight rigid reamer). The smooth nature of the Nitinol tube allows for easy cleaning, minimizing the risk of infection in patients.

Innovative design
- Super-elastic material allowing a high degree of deformation
- Modular design with several reamer head sizes

 Reliable performance
- Reverse cutting reamer heads reduce risk of jamming and help to clear bone debris when backing out the reamer.
- Smaller diameter of the tube reduces the pressure to the intramedullary canal and the possibility of DVT.
- Secure dovetail attachment eliminates the risk of separation during the procedure.

Available either as a modular or a monobloc system for humeral and femoral applications.
CUTTING TOOLS
DRILLS AND TAPS

Quick-coupling, AO or plain shank twist drills
Used with AO-type power tool coupling or with standard power tool chuck.

Surgical taps with combined AO/chuck coupling
For standard cancellous and cortical bone screws used with AO-type power tool coupling and/or standard chuck.

Sizes and specific treatments/coatings on request.
With more than 20 years experiences in the field of orthopaedic and traumatology, MPS Precimed can offer complete solutions incorporating innovative technologies.

Our principal motivation is to ensure the achievements and successes of our customers. Pushing the limits of manufacturing technology by continuously improving the process, it is a task that inspires our multidisciplinary professional teams.

Constantly maintaining and developing our unique know-how in assembling components, the fruit of pure Swiss watchmaking tradition, it is the pride of the specialists who work in our assembly departments.
From standard products to customized solutions
in the design, development and manufacturing of
innovative surgical devices

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