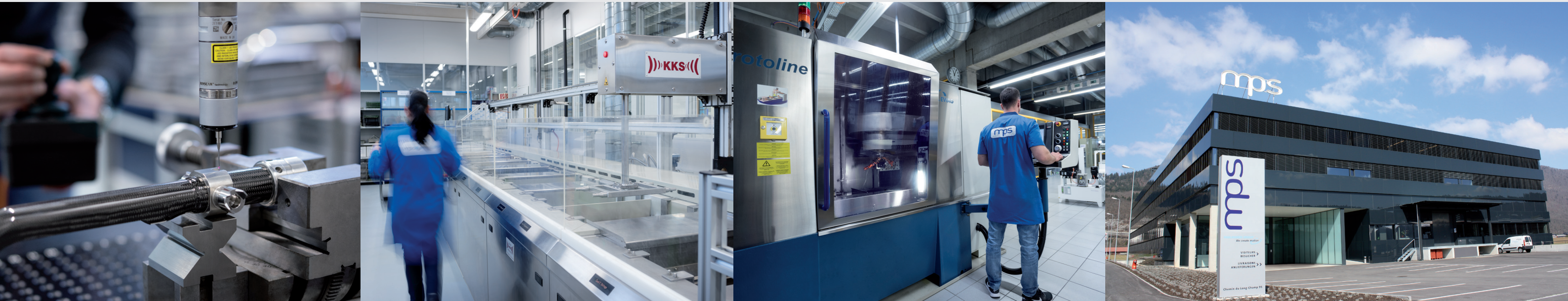




Engineered Solutions

Contributing towards shaping the orthopaedic industry through Swiss precision

- Orthopaedics
- Traumatology
- Surgical instrumentation



Our company

With more than 25 years of experience MPS Precimed SA is involved in the design, development and manufacture in the field of orthopaedics and traumatology, providing global solutions and integrating the most innovative technologies.

Since its establishment in 1988, MPS Precimed has not stopped developing new products or growing as the main motivation of MPS Precimed is to contribute to the success of its customers by enabling them to achieve their goals.

MPS Precimed's mission is to meet market needs by manufacturing innovative and attractive instruments for surgeons. We are competitive and observe the highest quality standards.

In 2008, Precimed was bought by the American group Greatbatch Medical, one of the largest suppliers of medical devices. In 2013, part of Greatbatch Medical's activities in Switzerland was taken over by MPS Micro Precision Systems SA, a specialist in the development and manufacture of high-precision micro-systems for the medical, optics, security and watchmaking sectors. MPS Precimed SA was established with the ambition of becoming a world leader in instrumentation.

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Hip Surgical Instrumentation

Straight and Offset Broach Handles

Broach handles are available in multiple configurations to enable flexibility in surgical approach and less invasive techniques. MPS Precimed product design can be customized and validated to meet your specific needs. Handles are available in straight, single and double offset configurations.



Cup Impactor

The offset impactor allows the controlled positioning and impaction of acetabular cups through a small incision, enabling a less invasive surgical approach. The unique locking mechanism enables accurate cup placement during impaction. The cup rotation is fixed once locked in place.



Reamer Handles

The offset reamer handle is inspired to facilitate MIS procedures, the 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 the option for multiple customized surgical approaches.

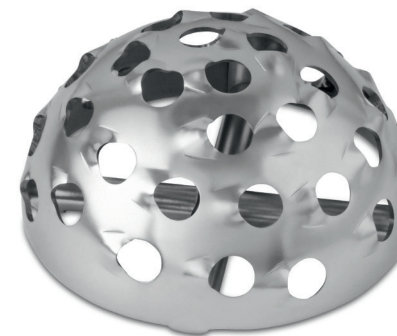


Future design development in alternative materials.

Standard and Customized Reamer



Penenberg Reamer



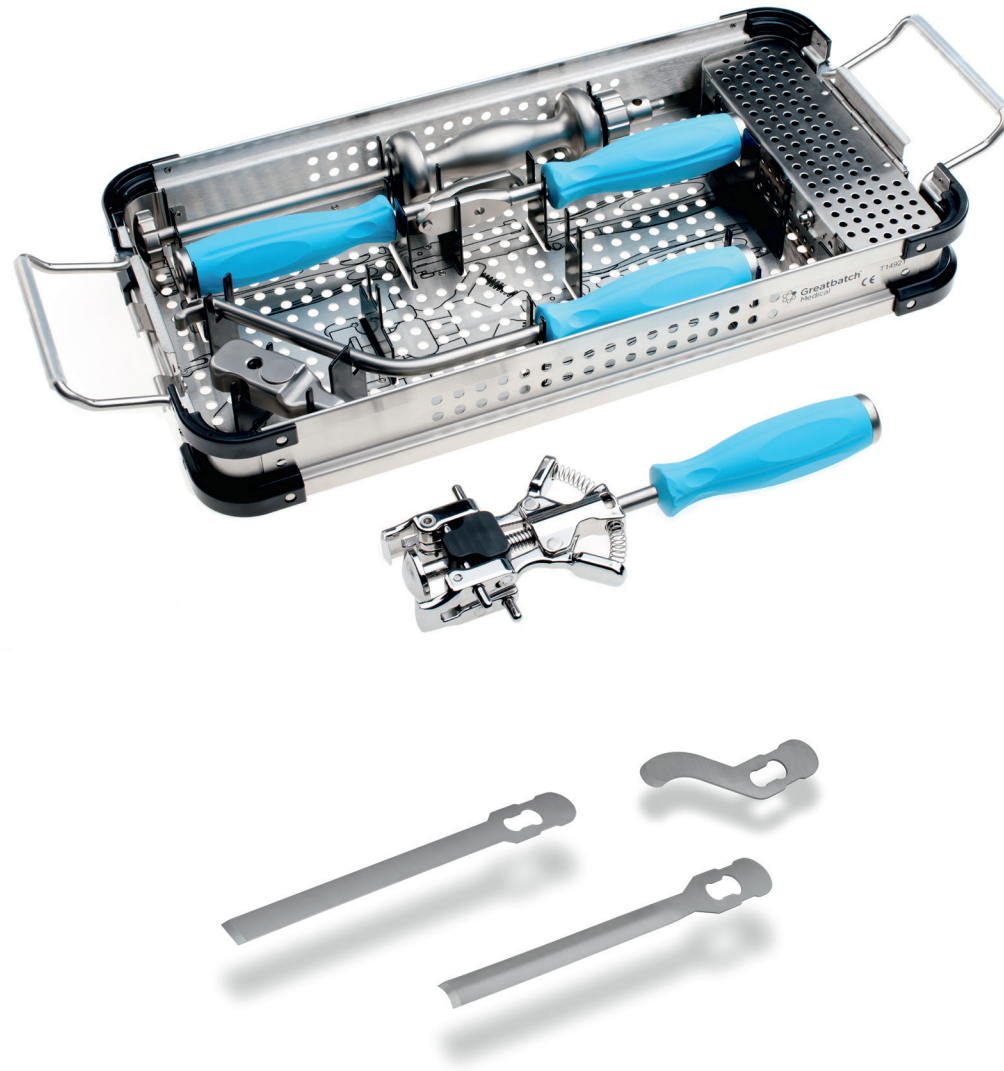
Standard Reamer



DR teeth Reamer

Standard Reamers are available in a range of sizes from 36 - 80 in 1 mm increments. Customer Reamers available upon request, please ask for details.

Knee Surgical Instrumentation



Extraction Kit

Our innovative extraction clamp design provides a universal tool for the safe extraction of most tibia 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

Chisel Blades

Cutting Tools, Drills and Ancillaries



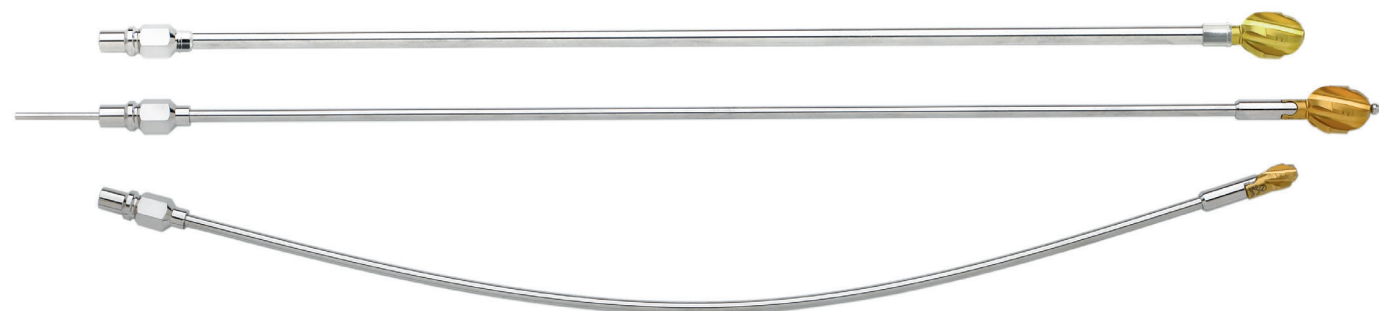
Cutting Tools, Drills and Ancillaries

All standard quick coupling connections available alongside the drill depth gauge.

Hand Held Instrumentation

MPS Precimed offer a complete range of handle options. Ranging from standard handles to complex torque screwdrivers. Using a variety of materials.

Trauma Instrumentation



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 for use with various size 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 femoral applications.



Standard Modular System

Nitinol Drive Shaft Diameter	Ø 5 mm
Drive Shaft Length	470 mm
Power Tool Fittings	Stryker / Zimmer-Hall, AO, Hudson
Reamer Head Sizes	Ø 9.00 mm – 24.0 mm (in ½ mm increment)
Corresponding Guide Wire	Ø 3mm
Material	Stainless Steel

Nitinol Flexible Shaft

Reference	Fitting	Shaft Diameter	Total Length
MAF219004954701N	AO	Ø 4.95 mm	470 mm
MAF21900495470N	Stryker / Zimmer-Hall	Ø 4.95 mm	470 mm
MAF219004954702N	Hudson	Ø 4.95 mm	470 mm

Monobloc (fixed-head) System

For Humeral Application	
Nitinol Flexible Shaft	Ø 4 mm
Head Sizes	Ø 6-10 mm (in ½ mm increment)
Total length	350 mm
Corresponding Guide Wire	Ø 2 mm

For Femoral Application	
Nitinol Flexible Shaft	Ø 4.95 mm
Head Sizes	Ø 8-13 mm (in ½ mm increment)
Total Length	475 mm
Corresponding Guide Wire	Ø 3 mm

Reamer Guide Wire			
Reference	Shaft Diameter	Total Length	Material
MGA2A22820	Ø 2.0 mm	820 mm	Stainless Steel
MGA2A23820	Ø 3.0 mm	820 mm	Stainless Steel



MPS Mission

MPS forms the framework of a group of companies which develop and produce customised micro mechanical solutions within challenging fields of applications such as the watch industry, medical and orthopaedic instrumentation and defence. Our success is based on 80 years of experience in miniature bearing and ball screw technologies, high tech machining and assembly capabilities plus long term partnership with our customers and suppliers. MPS is formed by a group of 3 companies and together employs 400 dedicated and highly skilled employees.

Framework of MPS Micro Precision Systems SA:

- MPS Microsystems located in Biel (Switzerland)
 - MPS Watch with Business Development in Biel (Switzerland) and Production in Bonfol (Switzerland)
 - MPS Décolletage SA located in Court (Switzerland)
 - MPS Precimed SA located in Corgémont (Switzerland)
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- MPS Precimed and MPS Décolletage are 100% owned by MPS Micro Precision Systems SA
 - MPS Micro Precision Systems is owned by the FAULHABER GROUP

R&D

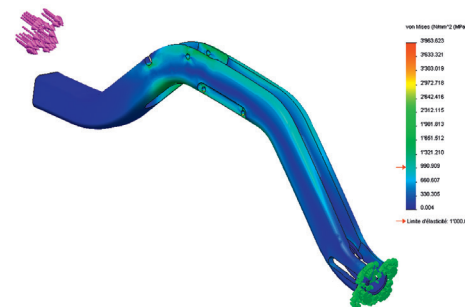
The high level of training and experience of the micro technology engineers allows MPS Precimed to quickly develop innovative solutions that meet the needs of our customers.

Our propositions and developments meet the international standards of the medical markets and are based on the management of CAD (Solidworks®). In the field of medical devices, MPS Precimed can compile technical dossiers for CE and FDA submissions.

Fully equipped, the prototyping workshop guarantees the production and modification of rapid prototypes, free from the logistical constraints of mass production. The equipment includes lathes, milling machines, wire erosion machines, grinding machines and a rapid prototyping machine.

The test laboratory equipment is used to evaluate service life testing for systems developed by MPS Precimed, noise measurements, traction tests, torque measurements and simple measurement systems.

- Design Control
- Innovative concept
- Project management & Prototyping
- Engineering & Industrialization
- Swiss fine machining
- Supply chain



400 EMPLOYEES

4 SITES

65 MILLION CHF TURN OVER



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the orthopaedic industry
through Swiss precision

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