



# Greatbatch Medical Implants, Exceeding Expectations.

Enhance your orthopaedic products and procedures with Greatbatch Medical's implant technologies, expertise and capabilities.

Our dedication to innovation, reliability and operational excellence is focused on meeting and exceeding our customer's expectations.



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## Uniquely Capable Implant Manufacturing

Greatbatch Medical's vertically integrated in-house single site HA coating, ISO Class 8 Clean Room and validated implant welding capabilities shorten product lead times and deliver single source supply chain efficiencies.

Our commitment to lean manufacturing enables flexible scalable processes capable of

both large and small volume implant delivery and reduced lead times. Based on 20 years of implant expertise, the unique skill sets of our Chaumont associates are focused on bringing your implant design to market. We understand the requirements and our comprehensive capabilities can support you all the way through the process.

### KEY ELEMENTS

#### FACILITY:

- Located in Chaumont, France
- 75,000 square foot facility (7000 m2)
- 240 associates

#### PRODUCTS:

- Femoral Stems
- Bone Screws
- Shoulder Arthroplasty
- Memory Metal Staples
- Acetabular Shells
- Instruments

#### MATERIAL EXPERTISE:

- Cobalt Chrome
- Nitinol
- Titanium
- Stainless Steel
- PEEK
- UHMPWPE  
(Ultra High Molecular Weight Polyethylene)

#### CORE MANUFACTURING CAPABILITIES:

- Machining Processes
  - Axis Milling
  - Long Turning
  - Grinding
- Mechanical Polishing (Robot and Mass Finishing/Tumbling)
- Heat Treatment for memory function in Nitinol
- Engraving and Laser Etching
- Surface Treatments (Anodization, Passivation)
- Implant Welding (TIG)
- HA Coating (Atmospheric Plasma Spray)
- Sterile Packaging in ISO Certified Clean Room (ISO 8)
  - Vacuum and Inert Gas Packaging
- On Site Validated Labeling to Customer Specifications

#### QUALITY AND REGULATORY:

- ISO Compliant and Documented Quality Systems
- Facility is;
  - ISO 13485:2003 Certified
  - FDA Registered
- Internal, Customer and Registrar Audits Ensure Continuous Quality Compliance

### HISTORY

1990	1997	2008	2009	2010
Landanger establishes a new facility in Chaumont	Landanger is acquired	Chaumont site is acquired by Precimed®, S.A. and then by Greatbatch Medical	Greatbatch Medical name and branding is launched	Greatbatch Medical makes significant Investments in Equipment and Process Flow Improvements

#### Greatbatch Medical Headquarters

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