

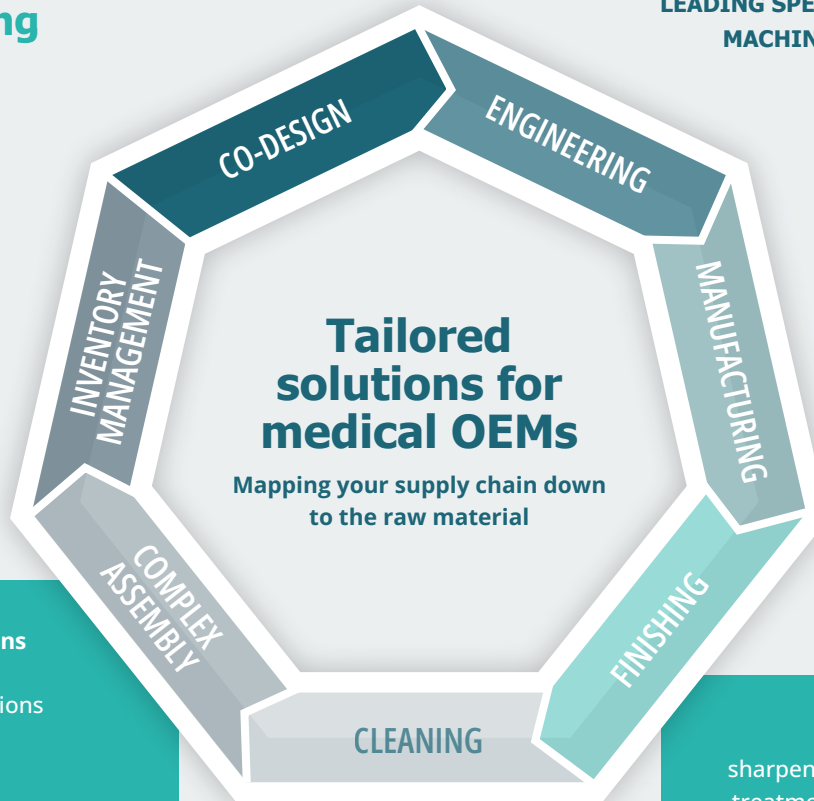


# CRAFTING THE FUTURE OF MEDICAL DEVICES

The Masters of Precision  
Shaping Confidence in Orthopaedics

# Expert in contract manufacturing

OVER 40 YEARS OF EXCELLENCE:  
LEADING SPECIALISTS IN PRECISION  
MACHINED PARTS PRODUCTION



## Medical applications for orthopaedics:

- Joint Reconstructions
- Spine
- Trauma
- Sports Medicine
- Enabling Technology
- Veterinary

**SPECIAL PROCESSES**  
sharpening, passivation, heat treatment, coating, laser and TIG welding, polishing, bead blasting, laser marking

# High precision Machining technologies

**Valtecne** boasts extensive expertise in **manufacturing medical components specifically designed for orthopaedic applications**, placing a strong emphasis on surgical instruments.

The company is equipped with state-of-the-art technologies necessary for producing high-precision parts within the medical device industry:

- **fixed head turning**
- **Swiss-type turning**
- **3-4 axes milling**
- **5 axes milling**
- **wire-cut EDM**

**40+**  
Years of experience

**60+**  
CNC Machines

**200+**  
Employees

**100,000+**  
Medical parts/year

**16,000 sqm**  
Production area

**2,500+**  
Surgical instruments  
and implants

## Materials

The more regularly employed materials include several types of:

- **stainless steel**  
(AISI 630, AISI 420B, AISI 420MOD, AISI 316L, Custom 465 and so on)
- **titanium**
- **cobalt-chrome**
- **special plastics for medical use**
- **aluminum**

## PRODUCTS PORTFOLIO

Hip



## Shoulder



## Knee



## Trauma



## Spine



# Building Excellence: Key Steps for Ensuring Quality

**EFFICIENCY THROUGH STRUCTURE:  
INTEGRATING FEASIBILITY ANALYSIS  
AND WORKFLOW MANAGEMENT  
WITH ERP SYSTEMS**

## INTERNAL PROCESSES VALIDATED

The company has successfully validated the following processes: **machining, passivation, heat treatment, polishing, welding, bead blasting, marking, and cleaning.**

Additionally, Valtecne has implemented a comprehensive set of **internal procedures and instructions** to ensure that operational processes remain compliant with the established requirements of the validation system.

Expertise: Manufacturing medical devices from **client blueprints and specs.**

**CAM expertise** ensures **flawless CNC machining** for complex medical components.

**Maximize efficiency** and ensure top-notch quality with **extensive capabilities.**

CONCEPT PHASE

FEASIBILITY  
ANALYSIS (FA)

COMPUTER AIDED  
MANUFACTURING

DEVELOPMENT PHASE

PRODUCTION PHASE

QUALITY CONTROL

Thoroughly **analyze customer needs**, resolve critical issues pre-production.

**Optimizing development**, documentation, and **risk management** alongside rigorous process validations for high-quality certification.

Guarantee quality, compliance, and **satisfaction with robust management**, control, improvement, and **meticulous documentation.**

# Experienced in Design for Manufacturing

## PRODUCTION WITHOUT INTERRUPTION

Our team of engineers excels in Design for Manufacturing, leveraging our extensive expertise to optimize production processes and enhance product quality.

FLEXIBLE  
production  
capacity



12+  
dedicate engineers

PARTNERSHIP  
with reliable  
industry leaders

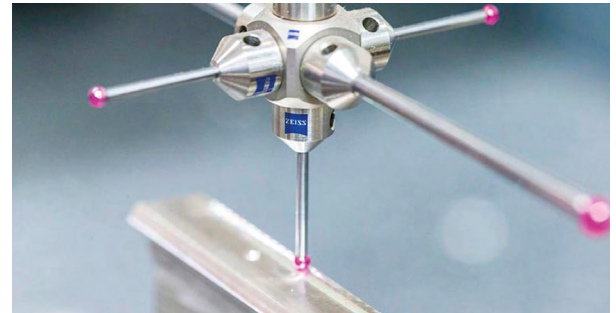
When coupled with our state-of-the-art manufacturing equipment and technologies, **we can ensure accurate, repeatable production.**

Our tool maintenance programs effectively prevent long-term interruptions and minimize downtime. Additionally, we have experience in meeting **specific customer requirements such as biocompatibility, validations, and shipment logistics.**

# Precision Contract Manufacturing Services

## WHERE ACCURACY AND CAPACITY MATTER

Valtecne provides **high-quality**, high-volume contract manufacturing services for **orthopaedics instruments**, backed by substantial investments in production capabilities such as tool design, metrology, and complex assembly. These services synergize to guarantee the **accuracy and precision** of each component, crucial for intricate products with tight tolerances.



Component dimensions are inspected in our metrology lab

QUALITY



FDA  
Registered Facility  
nr. 3027484613



## Valtecne SpA

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Via Al Campo Sportivo, 277  
23010 Berbenno di Valtellina  
Sondrio - Italy

☎ +39 0342 49.23.82

✉ info@valtecne.com

📱 /valtecne-spa

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[www.valtecne.com](http://www.valtecne.com)



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