



OROS

SPIRIT OF PRECISION



High passion, High precision



■ Spirit of Precision

Since 1999, an industrial partner for high-criticality medical devices.

Certified micromechanical components for orthopedics and dentistry.

Absolute precision.
ISO 13485 compliance.

Traceable production.



Certified Medical Manufacturing



Management
System
EN ISO 13485:2016
ISO 9001:2015

www.tuv.com
ID 9105036002

■ About Us



Oros is a subcontractor company specializing in precision machining – **ISO 13485 certified**.

A reliable industrial partner for the production of critical medical components.

For over 25 years, we have been supporting international manufacturers in the orthopedic, dental implant, and instrument sectors.

With an approach focused on:

- absolute repeatability
- micrometric tolerances
- certified quality
- consistent production over time

■ Operating Model

We specialize in the production of **medium-** and **large-volume** runs of complex parts.

We support pre-production runs and pilot production aimed at subsequent continuous production, ensuring certified quality, operational reliability, and guaranteed delivery times.



■ Production Facility

In September 2024, we inaugurated our new plant, designed to support Oros's production evolution and improve operational efficiency.

The **3,200 m²** facility is organized to ensure order, process control, and continuity in manufacturing, even for the most complex production runs.

At the new production facility, technological innovation meets environmental responsibility thanks to a 230 kW photovoltaic system and advanced resource management systems.



An industrial infrastructure designed to support high-precision manufacturing in a controlled, organized, and quality-oriented environment: more space, greater control, and better operating conditions to ensure long-term reliability.



■ The Value for the Medical sector

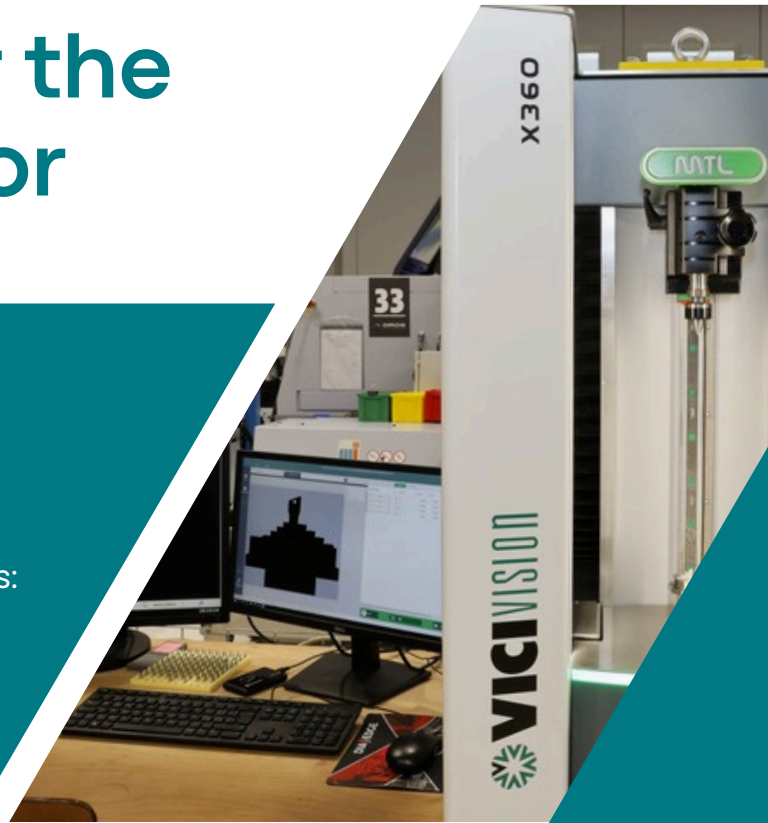
We reduce risks and non-compliance through certified manufacturing processes.

Oros is certified to the following standards:

- UNI EN ISO 9001
- UNI EN ISO 13485

ESG Compliant

We promote sustainable development that combines growth, people's well-being, and respect for the local environment.



■ Controlled, Traceable and Repeatable processes.

Each component is manufactured using **controlled**, **traceable**, and **repeatable** processes.

For our customers, this means:

- greater supply chain security
- reduced waste and nonconformities
- reliability in critical production runs



■ From Pre-Series to Production



From pilot production to mass production, without compromise.

We work closely with the engineering, quality assurance, and purchasing departments to turn a requirement into a component that can be manufactured and remains reliable over time.

Our production model is structured in the following phases:

- feasibility analysis
- controlled pre-production
- large-scale production

With direct technical collaboration from the very beginning.

■ Added Value

For the medical sector, we guarantee quality, compliance, and reliability.

We are equipped with an **IFP 50 cleaning system** that is validated annually for the medical sector by external laboratories.

Thanks to our strategic partnerships, we are able to provide a wide range of surface treatments.



■ What We Produce



Components for Orthopedics

- Cannulated screws up to 250 mm in length
- Cortical and cancellous screws
- Compression screws
- Implantable micro-components
- Customized solutions

Components for Dental Implantology

- Endosseous and zygomatic implants
- Standard and Multi-Unit abutments
- Prosthetic and digital components

Orthopedic instruments

- Precision orthopedic screwdrivers
- Ergonomic manual screwdrivers
- Insert holders
- Kirschner wires (K-wires) and guide wires
- Surgical trocars, calipers, and taps

Dental instruments

- Torque wrenches
- Screwdrivers
- Depth gauges
- Digital libraries



■ Manufacturing Technology

Oros boasts a state-of-the-art machine shop for complex machining operations.

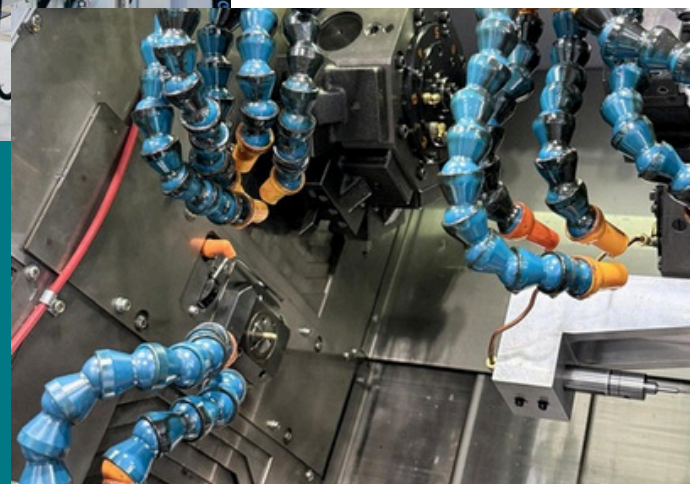
23 high-precision CNC machines for machining bars up to Ø 51 mm.

Machinable materials:

- Titanium: Grade 2, Grade 4, Grade 5
- MP35N, Molybdenum, Inconel
- Steel: AISI 303 (EN 1.4305), AISI 304 (EN 1.4301), AISI 316 (EN 1.4404), AISI 420 (EN 1.4034), AISI 630 (EN 1.4542)
- Aluminum
- Engineering plastics
- PEEK, Delrin, Methacrylate
- Brass



The various turning and milling operations on metal bars or plastic materials are performed exclusively using CNC sliding-head lathes and multitasking machining centers. In addition, we are able to perform milling operations using a 5-axis machining center.



■ Technological Equipment



Thanks to state-of-the-art technologies and equipment, Oros guarantees extremely high quality standards:

- Production planning and management using MECMATICA software
- 3D drawing design using AUTOCAD software
- Preparation and simulation of machine cycles using ESPRIT software
- IFP 50 cleaning system, medically validated annually
- OTEC and ROSLER tumbling systems
- Tool management via the HEN - DEPOSITA automated storage system

■ Quality Control

Advanced metrology and medical-grade finishes

Oros integrates rigorous quality control with the following systems:

- Vicivision MTL X5
- Vicivision MTL X360
- Vicivision Metrios
- Kestrel Vision Engineering



■ The Value of Partnership



We are not just a supplier.

Oros is a partner for precision machining work for companies seeking reliability, repeatability, and control.

What We Can Do for Our Customers

- Technical evaluation and feasibility analysis: immediately identify critical issues, production constraints, and alternatives.
- Pre-production support: reduce development time while maintaining consistency and standards.
- Stability and repeatability: minimize scrap and nonconformities through quality controls and process management.
- Coordination of finishing processes: complete the component according to specifications, including through qualified partners.

This means working closely with the client from the very beginning to understand their requirements, constraints, and production goals.

Ongoing technical dialogue allows us to prevent critical issues, improve manufacturability, and ensure consistency between the design and the final product.

An approach based on operational clarity, information sharing, and constant alignment, to guarantee high-quality, reliable results over time.



■ Why Choose Oros

For Quality Managers

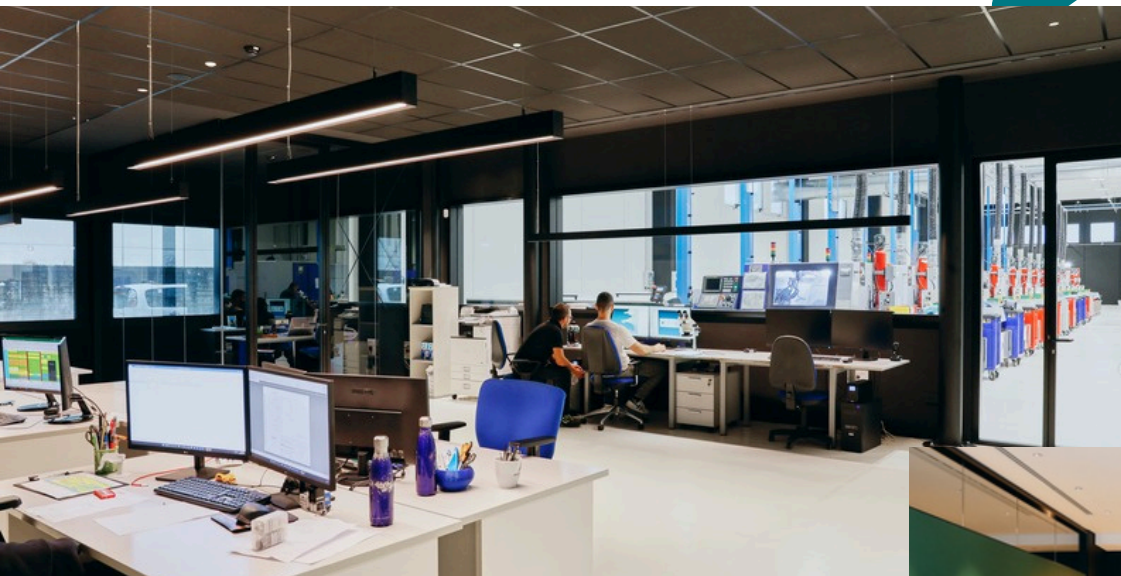
ISO 13485-certified processes and full traceability.

For Technical Directors

Micrometric tolerances and ongoing support for complex materials.

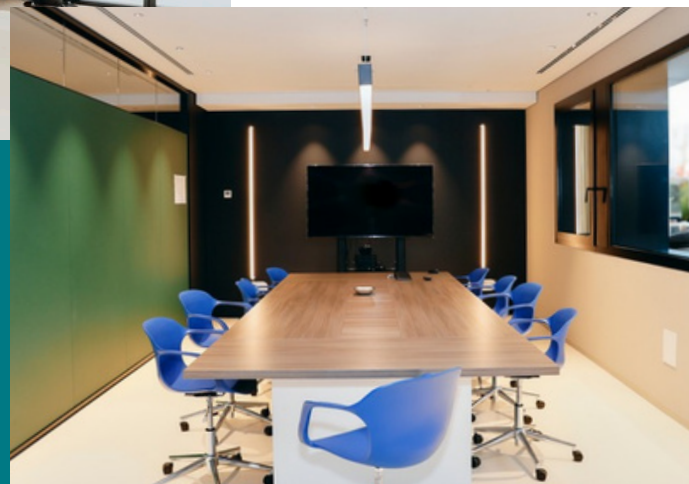
For Purchasing Managers

A reliable partner for critical production and supply continuity.



Value-added pre- and post-production services:

- Co-engineering and industrialization support
- Collaboration with the customer's R&D and engineering departments
- Management of the pre-series → continuous production process





OROS

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