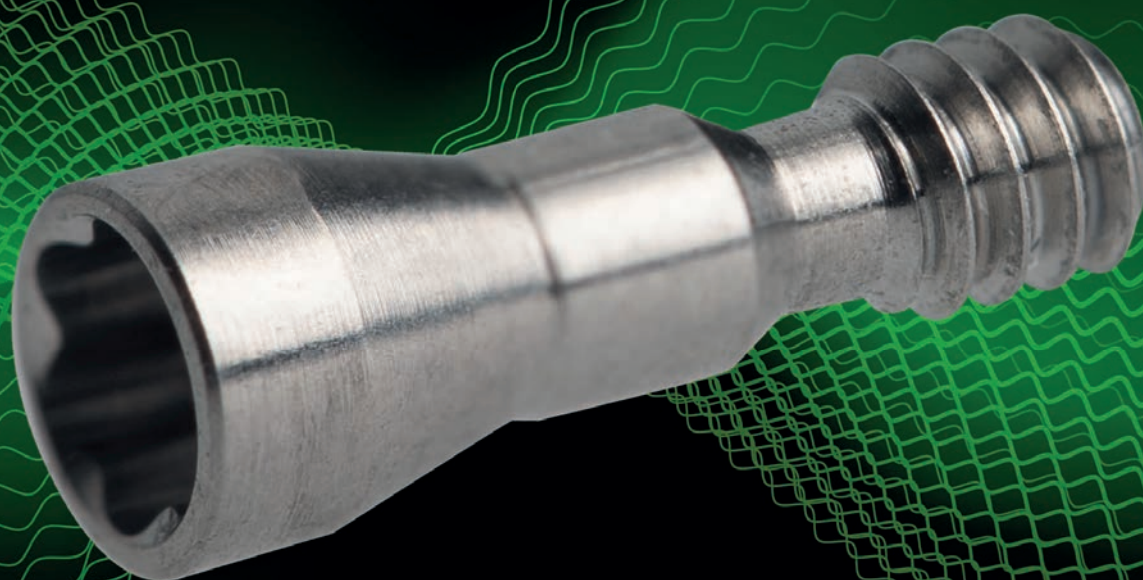


# Passion for innovation.



**MICROPRECISIONE**

Specialists in high-precision  
mechanical microcomponents

MICROPRECISIONE S.R.L.



**MICROPRECISIONE**



# Every micron matters.



Dental



Orthopedic



Biomedical



Aerospace



Diving

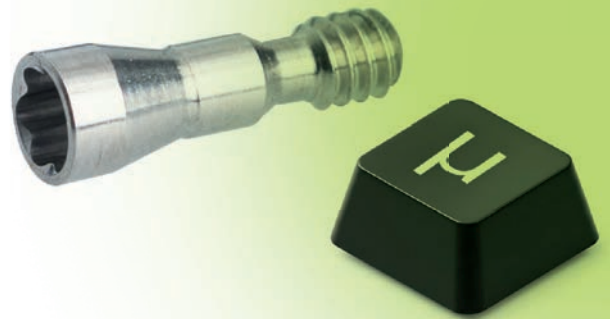


Racing

**And we craft it to perfection.**

Microprecisione, specialists in the production of high-precision mechanical microcomponents.





# Shaping precision

Thanks to our expertise in precision micromechanics, we manufacture tailor-made components for the **dental, orthopedic, biomedical, aerospace, diving, racing, and general mechanical sectors**. We oversee every stage of the process, from concept to production, employing innovative technologies and consolidated know-how. **Discover how our experience can bring your requirements to life.**

# Microprecisione, your technology partner for Innovation in microcomponents.

### Who we are

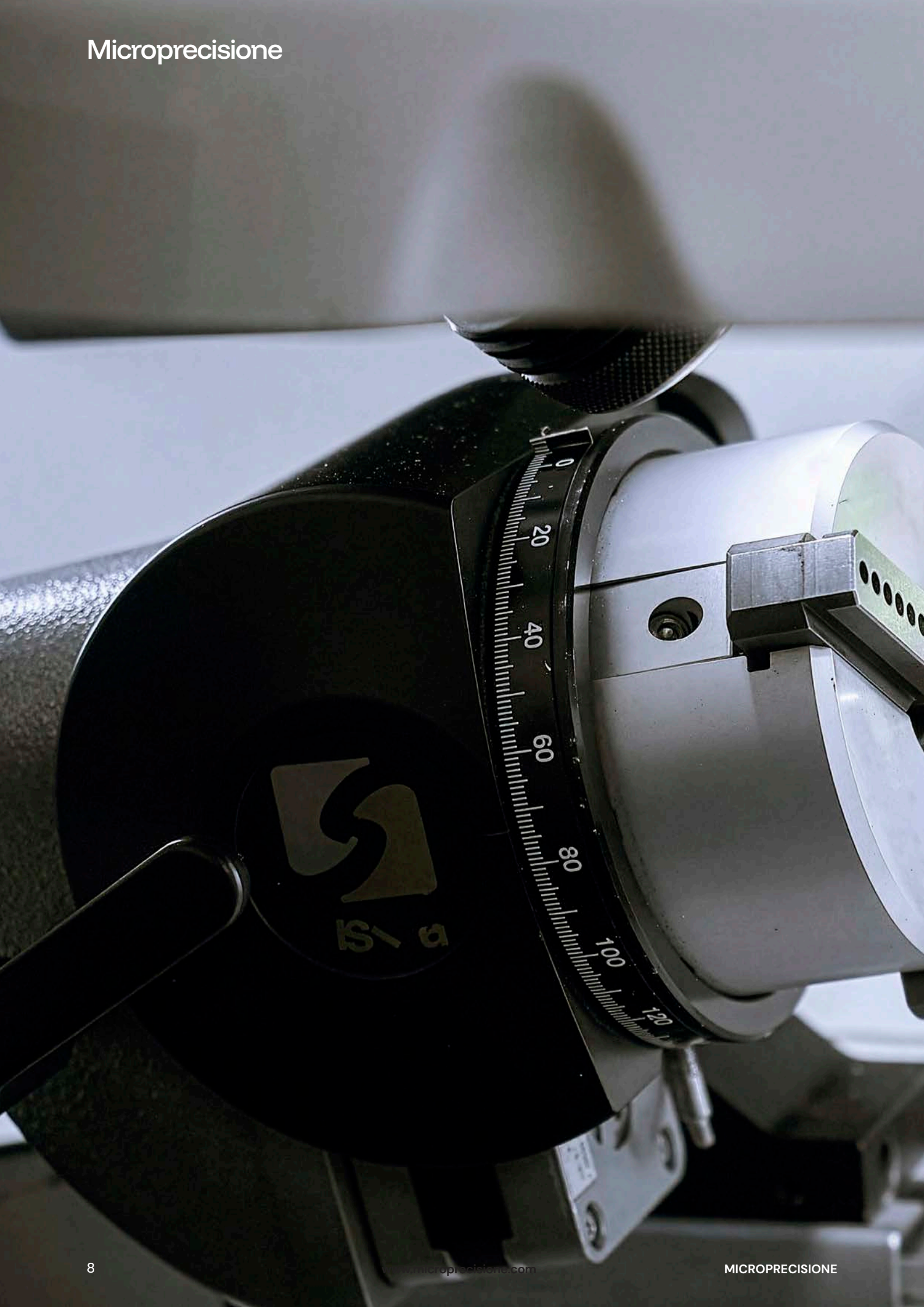
Founded in 1993 in Modena, in the heart one of Europe's most dynamic industrial districts, **Microprecisione was established with a clear mission: to deliver cutting-edge precision micromechanical solutions.** We have always collaborated with companies across various industrial sectors to develop innovative technologies, ensuring quality, reliability, and an excellence-driven approach.

From Modena's industrial hub, Microprecisione has grown alongside its partners, raising precision machining to new technological standards. **Our goal has always been to transform quality into method and innovation into tangible advantage.** Today, we are a benchmark for the most demanding sectors: **racing, aerospace, biomedical, and dental implantology.**

Continuous investments in next-generation machinery, advanced software, and ongoing training have enabled us to build a highly specialized production ecosystem, capable of delivering customized solutions and results of absolute precision.

With new facilities and state-of-the-art structures, **Microprecisione** is ready to face future challenges, expanding capacity, efficiency, and competitiveness—**because every achievement is built, as always, together with our clients and our team.**







# Proven technology

We adapt to the challenges of multiple industrial sectors, contributing to technological progress and enhancing our clients' competitiveness.

# A journey of growth and innovation



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**1993**

Microprecisione is founded, specializing in precision micromechanics for contract manufacturing.

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**2000**

After years of experience in the automotive, aerospace, and printing systems industries, the company focuses on dental implantology and biomedical applications.

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**2020**

Strategic investments in advanced technologies, a new machine fleet, and next-generation control systems.

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**2021**

Opening of a new production facility, equipped with a cutting-edge metrology laboratory, modern offices, and extensive logistics areas.

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**2024**

Expansion with the acquisition of an additional 4,000 sqm production plant, further strengthening operational capacity.

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# Excellence and innovation in precision micromechanics

## What we do

**We design and manufacture ultra-precise micromechanical solutions**, tailored to meet the specific needs of our clients. With consolidated expertise, advanced technologies, and an organizational structure certified to the highest international standards, we support leading industrial sectors in their paths of growth and

innovation. Every component we produce is the result of a process driven by quality, reliability, and continuous research—values that allow us to anticipate market challenges and establish ourselves as an international reference point.

## Design and development

Our technical team works alongside clients to develop customized solutions, using advanced software to optimize every stage of design. We collaborate closely with companies to transform their requirements into efficient, functional products.

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## Reverse Engineering and CAD-CAM programming

From existing components to perfect reproduction. Through advanced scanning techniques and the expertise of our team, we analyze, replicate, and optimize parts already in use, ensuring operational continuity and enhanced performance.

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## Prototyping and industrialization

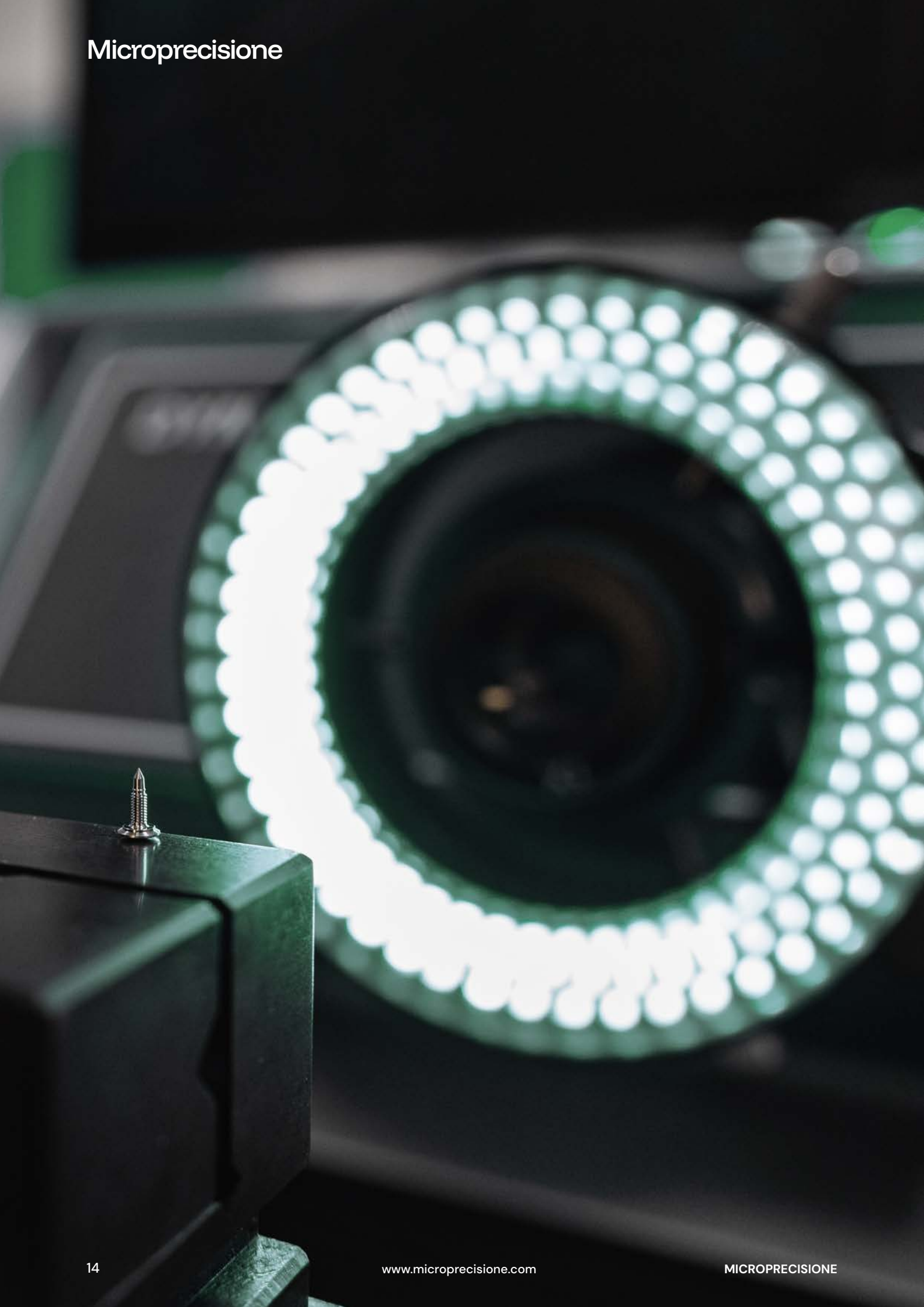
From concept to finished product, we guide our clients through the transition from prototyping to mass production, ensuring a smooth, optimized process that reduces costs and lead times.

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## Production of ultra-precision microcomponents

We process metals and special materials using CNC sliding-head lathes, 5-axis machining centers, multi-spindle machines, and EDM technologies. Our production guarantees tolerances within a few microns and maximum repeatability.

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# Why choose Microprecisione

With a strongly innovative approach, we adapt to the challenges of diverse industrial sectors, supporting technological progress and our clients' competitiveness.

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01

**Quality and precision**

Every component undergoes rigorous testing to ensure maximum reliability.

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02

**Specialized staff**

An expert team manages every stage of the project with competence and attention to detail.

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03

**Fast delivery times**

Process optimization ensures maximum production efficiency.

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04

**Problem solving**

Tailor-made technical solutions for the most complex requirements.

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05

**Continuous innovation**

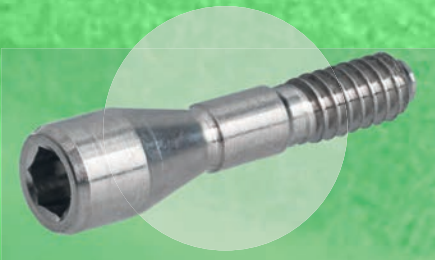
We invest in advanced technologies to constantly improve our performance.

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06

**Product aesthetics**

Meticulous attention to detail and superior finishing.







# Industry sectors

Our know-how enables us to deliver customized solutions for highly specialized industries.

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01

**Dental**

Implants, prosthetic components, and dedicated surgical instruments.

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02

**Biomedical / Orthopedic**

Solid and cannulated orthopedic screws, bone plates, and dedicated surgical instruments.

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03

**Aerospace**

Components with complex geometries and critical holes, such as shutters, carburetors, and interconnection systems.

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04

**Underwater**

Components designed to ensure maximum sealing and resistance in extreme environments.

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05

**Racing**

Critical, high-complexity microcomponents essential for performance and system reliability.

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# Technology and innovation serving precision

## Machine Fleet

**Microprecision represents excellence and innovation in the production of mechanical microcomponents.** Our strength lies in a complete, technologically advanced machine fleet, designed to deliver top-level results with maximum reliability.

Every machine, supported by rigorous quality control, transforms complex materials into precise, dependable components. What leaves our production lines is the result of expertise, technology, and attention to detail—a tangible testament to our dedication to excellence.

## CNC lathes

Our CNC sliding-head lathes are designed to perform ultra-precise machining on a wide range of materials. We produce components of diverse sizes and complexity with uncompromising quality and repeatability.

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## 5-axis machining centers

Equipped with cutting-edge technology, our high-precision 5-axis multitasking machining centers allow us to machine highly complex components for a broad range of applications. Their versatility allows us to machine materials such as steel, titanium, Inconel and advanced polymers, delivering components for highly specialized sectors, including medical devices with angles up to 60°, bone plates, and aerospace parts.

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## Multi-spindle machines: efficiency and versatility

We have introduced multi-spindle, innovative solutions that combine productivity and precision, enabling simultaneous machining of multiple components with optimized times and superior quality. Ideal for complex operations on stainless steel, titanium, and advanced polymers, they ensure uniformity and excellent finishes. This investment enhances our capacity to meet complex production demands and reaffirms our commitment to innovation.

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## EDM machines: for the most complex challenges

With advanced EDM technology at our disposal, we meet the expectations of clients with rigorous requirements, delivering drilling and milling with complex 3D micro-erosion at the highest precision levels, including components featuring sophisticated hole geometries.

# Certified quality

In Microprecisione quality is not a goal—it is a working method. For this reason, we have structured our organization according to the highest international standards, obtaining the following certifications.

UNI EN ISO 9001:2015  
Quality Management System

UNI CEI EN ISO 13485:2021  
Quality for Medical Devices

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## Certification

UNI EN ISO 9001:2015

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## Certification

UNI CEI EN ISO 13485:2021





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## **MICROPRECISIONE**

REGISTERED OFFICE Via Cavani, 120 – 41123 Modena

PHONE +39 059 333368

EMAIL [info@microprecisione.com](mailto:info@microprecisione.com)

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