

> Micro mechanical solutions

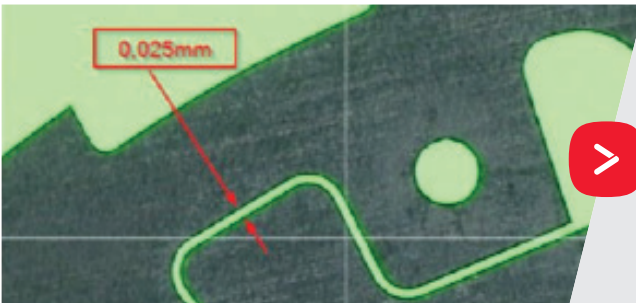
Your partner for creating micro parts with the highest precision

With more than 20 years of experience in the production of micro mechanical components in metal and plastic, we offer you competencies in the design, development, production and logistics of complete solutions or just a single part component.



Micro precision machining

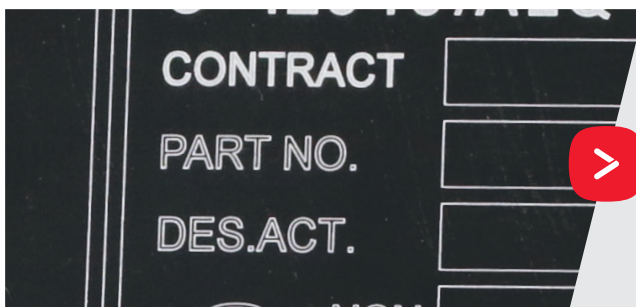
Construction and production of thin-walled parts with down to 0,1 mm "wall thickness" and tolerances at $\pm 5 \mu\text{m}$ are made possible through our perfect set up in the form of climate-control, separate machine foundation and high-tech turning and milling machines. We are machining in all metals, eg titanium, stainless steel, aluminum and a number of plastic materials as for instance peek.



Lasercutting and welding

Through the climate-controlled fiber laser cutting and welding, even ultra-thin micro mechanical components from 0,03 mm to 1,0 mm with tolerances from $\pm 5 \mu\text{m}$ can be machined with high automated laser technology. We cut in metals and plast with minimal heat impact on the material.

The picture illustrates a project where a 0.025 mm track in 0.2 mm spring steel is cut.



Laser engraving

Laser engraving is used to ensure unique traceability within the medical industry as well as for the labeling of turned and milled parts and metal nameplates in combination with a silk-screen printed logo in several colors.

We can engrave on stainless steel, aluminum, brass, copper and a variety of plastic materials.



Etching and bending

Contrary to the traditional mechanical sheet processing, the etching technology allows costeffective production of extremely complex geometries and tolerances, in material thicknesses up to 1,0 mm in stainless steel, copper, nickel silver, brass. Typically, bending of the parts will be performed afterwards to obtain the desired design.

We deliver more than a product
when we create customer specific solutions together



Improved value by optimizing product design for use and manufacturing.



Reduced supply chain with automated processes and quality requirements.



Optimized time to market with rapid prototyping and short production lead time.

> Wide product range

Produced by cost-efficient production methods

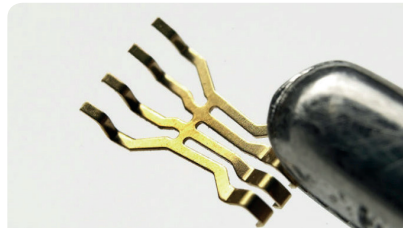
We are ready to sparre and optimize together with you within the design phase through the prototype manufacturing to the finished product. Throughout the many years of partnerships with our customers, we know the importance of making simple but optimized solutions, which are created precisely for the customers need within micro mechanical components.



Design & development

At Mekoprint we are a 100% order-producing high tech company focusing on innovative, partnership-based relationships. We are a strong partner in the development, construction and design of both tools and components for the costumers specific needs.

[Read more](#)



Fine mechanical parts

When developing components where part-specific tools are required, we offer assistance from sparring and advising to the development for the production of these. Because of our wide production competencies we are able to help you choose the ideal production technology depending on the volume and complexity.

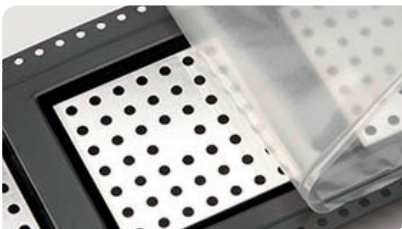
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Micro mechanical parts

The opportunities are endless in the design and production of micro parts with turning, milling, threading, drilling etc, performed in a single operation on the same machine with tolerances under 5 µm in materials like aluminum, stainless steel, steel and titanium.

[Read more](#)



EMC shielding

When you need a standard or customized EMC solution, we offer you advice in the choice of material, construction and production method. We can produce from small quantities to high volume in an automated punching and packaging setup.

[Read more](#)



Metal nameplates

At Mekoprint we produce a wide range of metal nameplates and scales in thicknesses from 0.3 - 5mm in different materials such as aluminum (nature or colored), stainless steel, bronze or brass. The design possibilities are many with our experience in laser engraving or silk screen printing, therefore we can ensure a quality that lasts the complete lifetime of your product

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Surface treatment

At Mekoprint we are your complete partner, which includes the possibility of surface treatment. Anodizing and painting are in-house technologies that are complemented by a wide range of close business partners that provide various types of cladding eg nickel / tin, nickel / gold or electro galvanization.



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