



Press release

Ruppertswil, February 1, 2024

URMA set to expand its range of machines Microone – the compact and small precision machining center

URMA AG has been active in the machinery trade for over 20 years. With the ZORN micro machining center “microone”, URMA AG is set to expand its range with an industrial CNC machine that enables high-precision machining on very small scales.

With the ongoing development of very small parts and miniaturization, URMA AG sees a steadily growing market for micromachining centers, particularly in the watchmaking and medical industries. With the introduction of the ZORN microone, URMA AG will be expanding its CNC machine portfolio in the discipline of micromachining, and offers a complete range for metal-cutting production.

ZORN Maschinenbau specializes in micromachining and microassembly, and has been developing and manufacturing technologies and machines in Germany for over 36 years. The microone from ZORN is a compact machining center for the precise machining of very small parts that can be adapted to a wide range of requirements with maximum flexibility. It not only delivers an impressive performance with its space-saving design (footprint <math><1\text{ m}^2</math>), but also with its high quality and modular construction, which is based on interchangeable modules. ZORN microone also scores top marks with its optimum ergonomics and the option to automate and expand the machine individually. Exceptional rigidity and thermal stability are achieved through the use of a granite block and the tempered axes, which enables extremely precise machining. The ZORN CNC machine for precision micro parts is available with 3-axis or 5-axis simultaneous machining.

Sustainability in production

Environmental protection and resource management are also becoming increasingly important in production. The ZORN microone delivers a convincing performance in all relevant areas, and impresses all with its low energy consumption, significantly lower CO₂ emissions and a very small footprint compared to conventional CNC machines. In November 2023, ZORN microone was awarded 3rd place in the “Energy Efficiency” category of the Environmental Technology Award 2023 by the Ministry of the Environment, Climate Protection and the Energy Sector (Baden-Württemberg).

Key Facts

Types	3-axis and 5-axis machining centers
Repeatability	< 0.001mm
Overall dimensions	1'100 × 770 × 2'040 mm, 1,250 kg
Workpiece size	Ø 100 mm, H 80 mm
Construction method	Modular design with automation options

About URMA AG

URMA AG develops and manufactures precision tools that are used around the globe for the machining of precise bores and milling work. The innovative tool systems increase process reliability and contribute to increased efficiency. URMA AG maintains its headquarters and a production facility in Rapperswil (AG). For over 60 years, the Swiss family-owned company has been operating globally with around 130 employees in various subsidiaries, OEM partnerships and a broad sales network.

URMA AG has been successfully selling CNC machine tools from HAAS Automation in Switzerland and Liechtenstein for 20 years. To date, around 2,000 machines have been sold and serviced. URMA AG has already been named the best HAAS dealer in the world thanks to its outstanding service and sales organization. With the sale of the ZORN Microone, URMA AG is set to complement its CNC machine portfolio in the field of micro-machining and offer a comprehensive range for metal-cutting production.

In recent years, URMA AG has greatly expanded its expertise in 3D printing. Partly through applications in their own production division, but also through the development of a broad machine portfolio. In Switzerland, URMA AG sells 3D printing systems from EOS and Markforged, as well as the broad machine portfolio from DyeMansion for the perfect finishing of plastic components. URMA AG also covers the automated depowdering of 3D-printed metal components with Solukon systems. 3D scanners from Creaform, software from CADS Additive and Materialise, as well as AMCM custom-made products round off the company's 3D printing range. With its comprehensive scope covering the entire process chain from design, optimization, production, post-processing and quality inspection, URMA AG offers everything for additive production throughout the entire manufacturing chain.

More information: www.urma.ch

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Photos and captions



With the ZORN microone micro machining centre, URMA has added a compact CNC machine to its range which is perfectly suited for machining operations in the watchmaking and medical industries.

Source: URMA AG



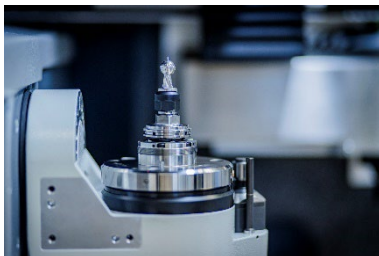
The ZORN microone is already equipped ex-works with all interfaces for retrofitting. Expansion is, therefore, quick, easy and possible at any time.

Source: URMA AG



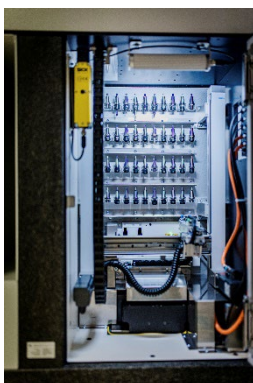
The microone micro machining centre is perfect for the production of movement and case components. In addition to the watchmaking industry, applications in medical technology rely on the machining of micro-components.

Source: URMA AG



The ZORN CNC machine for precision micro parts is available with 3-axis or 5-axis simultaneous machining, and can also be customised.

Source: URMA AG



ZORN microone enables a tool storage for up to 40 tools.

Source: URMA AG



Movement and case components machines with ZORN microone.

Source: URMA AG



Precision Machining for MedTech.

Source: URMA AG



Laser-cut shaft manufactured with ZORN microone.

Source: URMA AG

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