



## Media release

Rapperswil, June 24, 2025

### **URMA expands MX diamond – New sizes for maximum flexibility High-precision milling of light metals**

**URMA AG is expanding its range of diamond-tipped face milling cutters MX diamond with new variant size. This is the Swiss family-owned company's response to the industry's increasing demand for even more flexible and powerful tool solutions for machining light metals such as aluminum, magnesium, and fiber-reinforced plastics.**

Thanks to the proven RX quick-change system, MX diamond offers maximum precision and a significant reduction in downtimes. The new variety of sizes enables even more individual adaptation to specific production requirements. The proven quick-change system with PCD (polycrystalline diamond) tipped cutting edge guarantees excellent tool life, outstanding surface quality, and maximum process reliability – ideal for the milling process high-speed.

By expanding its MX diamond portfolio, URMA is consolidating its position as a driver of innovation in precision machining and offering customers even greater efficiency and productivity in series production.

#### **Key Facts**

Diameter	50 / 63 / 80 / 100 / 125 mm
Concentricity	< 0.004 mm
Axial runout	< 0.002 mm
Cutting speed	5'000 m/min
Feed rate	0.05 – 0.3 mm per tooth
Number of teeth	10 / 12 / 16 / 18 / 20
ap	up to 4 mm
Metals to be machined	Non-ferrous metals, composites, and fiber-reinforced plastics
Delivery time	Standard from stock

More information: [www.urma-group.com/en/tools/milling/MX-Diamond.php](http://www.urma-group.com/en/tools/milling/MX-Diamond.php)

#### **URMA Milling – high-precision milling**

URMA offers a versatile milling portfolio for a wide range of materials: The MX diamond is ideal for machining light metals, while the MX boronite with CBN cutting materials has been specially developed for cast iron and hardened steel. With five different edge sizes cutting for MX diamond and MX boronite, URMA covers all machining requirements for milling in the machining industry.

## About URMA AG

URMA AG develops and manufactures precision tool systems. The family-owned company has had its headquarters and production facility in Switzerland since 1962. URMA also has subsidiaries in Germany, Spain, China, Mexico, and the USA and maintains OEM partnerships with Paul Horn (Germany) and Sumitomo (Japan).

The precision tools are used worldwide for precision bore machining and milling applications in the machine builder, automotive, hydraulic, and aerospace industries. With its high-precision tool systems, URMA increases process reliability for customers and contributes to increased efficiency. URMA supports manufacturing companies with standard and special tools in the development of individual solutions and innovations. Thanks to the optimal infrastructure, test procedures are carried out in the company's own test center for prototypes, new coatings, geometries, chip formers, and special tools for specific customer applications. The Test Center also provides training and further education for partners and customers.

In Switzerland and Liechtenstein, URMA AG is the exclusive sales partner of HAAS – a world-leading manufacturer of CNC machine tools known for its innovative strength and reliability. URMA AG also exclusively offers high-quality, complex machines from EMCO and ZORN, including state-of-the-art turning centers and machining solutions for demanding manufacturing processes. In addition, the portfolio includes a wide range of industrial 3D printing solutions across the entire production chain.

More information: [www.urma-group.com](http://www.urma-group.com)

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## Photos and captions



mx-diamond-125-close-up

Thanks to the high tool rigidity of the MX diamond, both finishing and roughing cuts can be made with the same cutting edge.

Source: URMA AG



mx-diamond-and-automotive-part

Processing of aluminium is also playing an increasingly important role in the automotive industry.

Source: URMA AG



mx-diamond-close-up-cutter

The teeth of the solid carbide cutting edge body are fitted with up to 20 PCD tips and are ideally suited for machining lightweight materials.

Source: URMA AG



mx-diamond-duo-seperated-head-and-cut

URMA relies on the proven and highly precise RX quick-change cut-off point, which guarantees perfect axial run-out without the need for subsequent correction when changing cutting edges.

Source: URMA AG



mx-milling-family

The URMA MX family offers a versatile milling portfolio for different materials: MX diamond for machining light metals and MX boronite for hard material machining.

Source: URMA AG