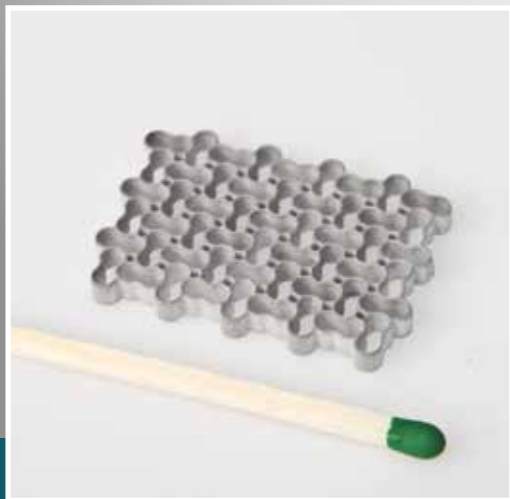
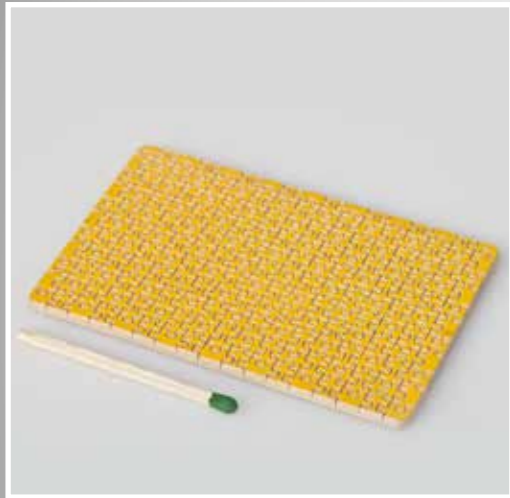


iCUTwater micro

Waterjet cutting for the highest demands!



Highlights

- Double sand feed for various grains
- Manual fine adjustment of the cutting head
- Micro cutting head for 0.08 to 0.3 mm jet diameter
- Solid substructure, vibration-free and temperature-resistant granite
- No ribs or cladding sheets, instead a special clamping system
- Connections for tank cooling or sludge extraction system
- Best available external measuring systems
- Smallest installation space
- Linear direct drives
- Dynamic database for micro processing
- Hand-held operating unit with joystick

Options

- Complete enclosure with fume extraction system
- Automated angle compensation ± 9 degrees
- Integrated sludge extraction system
- Machine in chosen colour
- Lifting/lowering device for water level
- Air-conditioning

Application examples

- Prototype construction
- Medical engineering
- Automotive and automotive supplier industry
- Aerospace industry
- Jewellery and fashion sector
- Precision parts
- High-end job order production
- Training, education and research

Typical materials

- Aluminium
- Marble
- Granite
- Glass/bullet-proof glass
- Ceramics
- Steel
- Stainless steel
- Composite materials



Repetition accuracy of 0.005 mm

Technical data	iCUTwater micro 0505	iCUTwater micro 1005
Machine weight in kg	approx. 3000	approx. 3500
Travel ranges (X / Y / Z) in mm	550 / 550 / 150	1050 / 550 / 150
Travel speed in m/min	12	
Repetition accuracy in mm	± 0.005	
Positioning accuracy in mm	± 0.01	
Connection voltage	16 A / 400 V	
Operation	Mobile control panel	
Cutting head	Micro cutting head for 0.08 mm to 0.3 mm	
Software	Cos4Mos software package	

Machine dimensions without control panel or additional accessories.

Micro waterjet cutting is used in all areas where normal waterjet cutting meets its accuracy or delicacy limits. Thanks to the special features of our micro machine range, we are able to control and minimise the waterjet. Furthermore, accuracy-distorting factors can be eliminated and even the smallest contours can be cut without heat input or structural changes.

