



**GÜHRING**

# MICRO-PRECISION TOOLS

WE KEEP ON GROWING

New 5,000 m<sup>2</sup> centre of excellence for micro-machining  
Design of complex tool concepts as per customer requirements  
Comprehensive service from a complete supplier



**GÜHRING**

Dr. Gühring  
NOBO Line

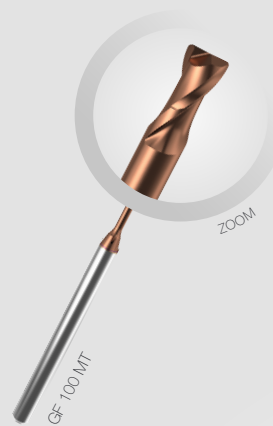
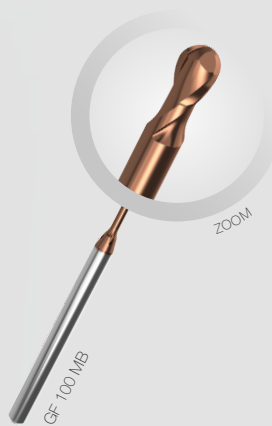
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# NEW SPECIAL TOOLS FOR MICRO-MACHINING



## MICRODIVER

- Micro Ratio milling cutter with tried-and-tested diver geometry for plunging operations
- internal cooling optimised for drilling and milling on a micro scale
- for universal application: plunging, slotting, roughing, finishing

## MICRO-PRECISION MILLING CUTTERS

from a diameter of 0.3 mm

The new micro-ball nose and micro-torus milling cutters have been developed specifically for use in tool and mould construction. These micro-precision tools are characterised by precise radii down to the nearest  $\mu$  and reliable performance.

### GF 100 MB

Micro-ball nose milling cutter for applications in tool and mould construction

### GF 100 MT

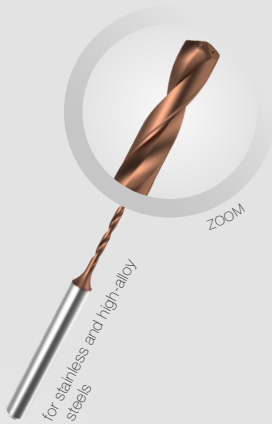
Micro-torus milling cutter for applications in tool and mould construction

### GF 100 MC

Micro-end milling cutter for precise applications in precision mechanics

### RF 100 Diver Micro

Micro Ratio milling cutter with tried-and-tested diver geometry for plunging operations



## MICRO-PRECISION **DRILLS**

from a diameter of 0.50 mm

The new Gühring plant produces high-performance micro-precision drills from a diameter of 0.50 mm, suitable for creating the smallest of bores in any application. The tools impress with outstanding cutting values and a long tool life.

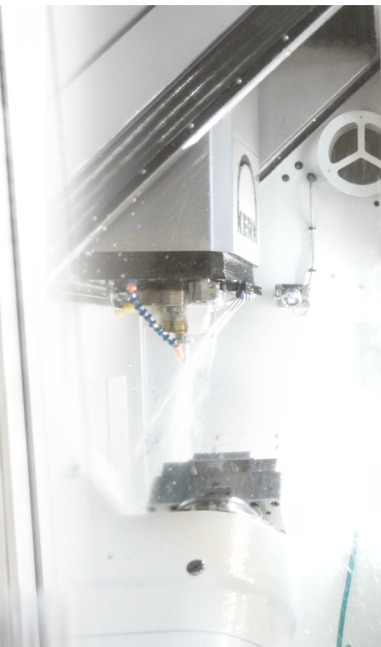
- Specialist for stainless and high-alloy steels
- Specialist for the toughest machining conditions

## MICRO-PRECISION **REAMERS**

from a diameter of 0.95 mm

The requirements for the surface finish quality and tolerances are extreme anyway, but are taken to a whole new level when it comes to micro-machining. The HR 500 solid carbide high-performance reamer ensures outstanding cutting values and a high drilling qualities, even for micro-machining.









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GÜHRING KG | Telephone: +49 74 31 17-0 | Fax: +49 74 31 17-21 279

Herderstrasse 50-54 | 72458 Albstadt | Germany | [info@guehring.de](mailto:info@guehring.de) | [www.guehring.com](http://www.guehring.com)