Gühring is one of the worldwide leading manufacturers of precision tools for metal machining. With more than 8,000 employees worldwide, of which over 3,500 are in Germany, and more than 70 production locations in 48 countries, the company develops, manufactures and distributes innovative cutting tools.

The latest product line - launched in 2016 - includes perfectly coordinated tool systems for boring out, internal grooving, axial grooving bores, external grooving, broaching and grooving. The product range now includes approximately 8,000 individual items.

Whether required for a small batch or for continuous production, customer-specific solutions are one of our strengths. The high degree of manufacturing depth - ranging from carbide production, in-house coating technology and in-house development through to our highly competent product specialists - makes our tools incredibly adept at mastering even the most demanding machining tasks. By continuously adding new products to the portfolio, Gühring is well and truly meeting the expectations of a complete supplier.
THE CURRENT PORTFOLIO INCLUDES SOLUTIONS FOR VARIOUS MACHINING OPERATIONS

Here are just some of the key points you should know about our tool range:

- System 104: \( D_{\text{min}} 0.7 \text{ mm} \)
- System 106: \( \text{up to five different corner radii } R \text{ for boring out} \)
- System 108: \( \text{up to nine different neck lengths } L_a \text{ for boring out} \)

Systems 104 | 106 | 108:
\( \text{wiper geometry available as standard tool for top surfaces} \)

System 110: \( \text{standard holders and prefabricated semi-finished products with a shank diameter of } 10 \text{ mm for a wide range of special solutions} \)

System 305: \( \text{inserts available in widths of up to } 12 \text{ mm for special profiles}\)

System 305: \( \text{screw counterbores on both sides for installation in left- and right-hand holders} \)

What the Gühring system designations mean:

- Single-edged tool system
- Shank diameter [mm]
- Max. grooving depth [mm]
- Number of cutting edges

You can find out more about the market- and user-friendly properties of our tools in our main catalogue.
NUMEROUS UNIQUE FEATURES
FOR A USER-ORIENTED TOOL RANGE

SYSTEM 104 | 106 | 108 | 110
\ only supplier on the market with such an extensive range of lengths and corner radii for micro-precision tools
\ highly precise positioning; cutting edge facing up and facing down possible at same length position
\ range of holders with different clamping screw positions for the best possible access

SYSTEM 305
\ complete holder range available from stock with or without internal coolant supply
\ grooving insert in a neutral design for installation in right- and left-hand holders
\ standard holder range for wide special-profile inserts up to 12 mm
\ patented holder with adjustable internal coolant supply

COMPREHENSIVE OVERALL TOOL RANGE
FOR PROCESSING PRECISION PARTS

ACCURACY
COMPETENT
USER-ORIENTED