

// 100% PRECISION AND EFFICIENCY

in High-Volume Production



Müller

Hochleistungswerkzeuge

Werkzeugaufbereitung



100%
expertise and
perfection in tool
development

» INNOVATION AND EXPERTISE

The market's ever-increasing demands on precision, speed, service life and chip forming behaviour are the driving forces behind our motivation to develop intelligent and high-performance tools. The equation for maximum efficiency and cost reduction is as obvious as it is plausible:

**efficiency = speed + precision x
service life**

With the development of innovative, solid carbide products, Müller has repeatedly redefined standards in component machining. In close cooperation with the University of Kaiserslautern in Germany, ever better tools with new attributes and geometries are being developed. Those enable us to keep pace with the stringent demands of users and modern materials in terms of cutting forces, cutting speed, chip development and tool life. We can thus provide our customers with maximum efficiency and profitability.





50%
shorter machining
times when
producing parts
and components.

» PRECISION AND EFFICIENCY

The result of higher cutting speeds and increased feed rates when machining individual parts and components is shorter machining times. When designing high-performance drilling and milling tools, maximum machining know-how is required to precisely implement the job-related requirement profile and to produce the best possible tool for the customer's specific application.

Increasing machining speeds by a factor of 2 compared to conventional tools results in a reduction in machining costs of up to 50%. Combined with maximum precision and long service life, this cost advantage is the decisive argument with which automotive supply companies, as well as mechanical engineers and contract manufacturers, react to the ever-increasing cost pressures while manufacturing their products.





90%

of all factory-new and reground tools are coated in our own factory.

» COATING AND PROCESS CONTROL

Coating tools in our own factory provides several benefits to our customers. Compared to competitors, who depend on external coating service providers, our customers benefit from significantly shorter delivery times. Müller's specially developed coating system means that both the material-specific parameters and the individual requirements of the various components can be considered during coating. This applies to both factory-new tools and to tools that we regrind and coat to original quality on behalf of our customers.



Coating in our own factory facilitates continuous and uninterrupted process control. It clearly documents adherence to the required coating bonding, coating thickness and coating strength in extensive inspection procedures. This applies to each individual tool in the context of quality management.





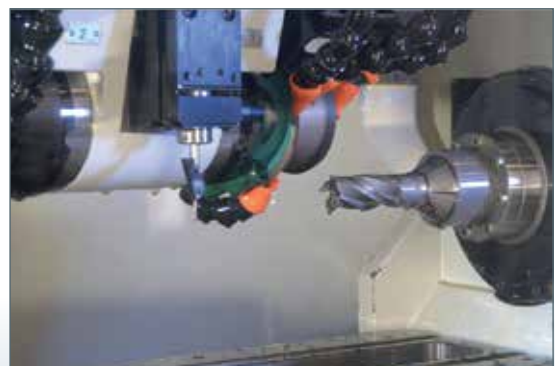
94%

of the original performance is achieved in individual regrinding by Müller Präzisionswerkzeuge.

» PERFECTLY GROUND FOR LONG SERVICE LIFE

In addition to the development, design and production of factory-new, high-performance tools, Müller has been the specialist for regrinding drilling and milling tools made of solid carbide for 35 years. In addition to the tools manufactured by Müller, customer tools are also prepared according to the manufacturer's specifications. The in-house pick-up and drop-off service makes regrinding particularly convenient for customers in our service region.

On average, factory-new tools can be reground four times before they are finally worn out. This means that 80% of the service life of a high-performance tool is determined by its regrinding quality and precision. Higher regrinding quality and precision guarantee the maximum possible precision and speed in component machining. This leads to significant cost reductions thanks to the considerably longer service life of the high-performance tools.





100%
MADE IN
GERMANY

» LOCATION BENEFIT AND CUSTOMER PROXIMITY

With a modern, high-performance machine park and a motivated team of qualified employees, we have guaranteed our customers excellent quality 'Made in Germany' from the Sien, Germany production site since 1981. Maximum flexibility regarding implementation of individual customer requirements, as well as maximum commitment and expertise, form the basis for our success and the constantly increasing number of satisfied customers in Germany, Europe and across the globe.

We see your demands as a challenge to us and our products. When may we demonstrate our performance to you?

We are ready – challenge us!

since
1981

made 
in germany



 **Müller**
Hochleistungswerkzeuge
Werkzeugaufbereitung

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