PRECISION SPINDLE HEAD
KOMflex
The clever combined system with BLUM measuring stylus

CERATIZIT is a high-technology engineering group specialised in cutting tools and hard material solutions.

TEAM CUTTING TOOLS

Tooling the Future
www.ceratizit.com
KOMflex
Combined system with precision adjustment head and BLUM measuring probe technology

Unique, automated compensation system

In conjunction with the BLUM measuring probe, the KOMflex enables automated diameter correction for precision holes in unmanned closed-loop operation. The KOMflex precision adjustment head communicates with the BLUM wireless machine equipment.

Benefits

- **Automated production of precision holes**
  Thanks to closed-loop operation, the KOMflex guarantees process-secure machining, even in the case of unmanned operations.

- **Significant time savings**
  Thanks to automated measurement with the BLUM measuring probe and correction with the precision adjustment head.

- **Ensures the defined quality requirements for the workpiece are met**
  Thanks to accurate movement of the precision adjustment head for μm-precise machining with closed-loop operation.

Technical data

- **Adjustment accuracy**: 1 μm in radius
- **Adjustment range**: ± 0.25 mm
- **Boring range**: Ø 1 – 120 mm
- **Outer diameter**: 63 mm
- **Height**: 100 mm
- **Max. RPM**: 8,000 rpm in centre position
- **Combined tool interface**: ABS 32 / dia. 16 mm / teeth
- **Interface**: ABS 50
The ongoing automation of our production processes will enable us to continue to manufacture our products cost-effectively in future. The KOMflex is the ideal solution for closed-loop operation. This is where we need innovative, forward-thinking partners like CERATIZIT.

Michael Renz, Head of the Actuating Tools product line at KOMET Deutschland GmbH (left), Alexander Schweiher, Senior Manager at Schweiher Werkzeugbau GmbH & Co. KG (right)
UNITED. EXPERIENCED.
METAL CUTTING.

The product brand CERATIZIT stands for high-quality indexable insert tools. The products are characterized by their high quality and contain the DNA of many years of experience in the development and production of carbide tools.

SPECIALIST FOR INDEXABLE INSERT TOOLS FOR TURNING, MILLING AND GROOVING

High-precision drilling, reaming, countersinking and boring is a matter of expertise: efficient tooling solutions for drilling and mechatronic tools are therefore part of the KOMET brand name.

THE QUALITY LABEL FOR EFFICIENT BORE PRODUCTION

WNT is synonymous with product diversity: solid carbide and HSS rotating tools, tool holders and efficient workholding solutions are all part of this brand.

EXPERTS FOR ROTATING TOOLS, TOOL HOLDERS AND CLAMPING SOLUTIONS

Solid carbide drills specially developed for the aerospace industry bear the product name KLENK. The highly specialised products are specifically designed for machining lightweight materials.

CUTTING TOOLS FOR THE AEROSPACE INDUSTRY

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