

KOMflex Precision adjustment head

The automated system combination with BLUM measurement technology

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KOMflex

Combined system with precision adjustment head and BLUM measuring probe technology



Performance

Unique, automated compensation system

In combination with a suitable measuring device, 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.

Compensation of cutting edge wear, e.g. in the case of steel

System usage

Temperature compensation, e.g. in the case of aluminium

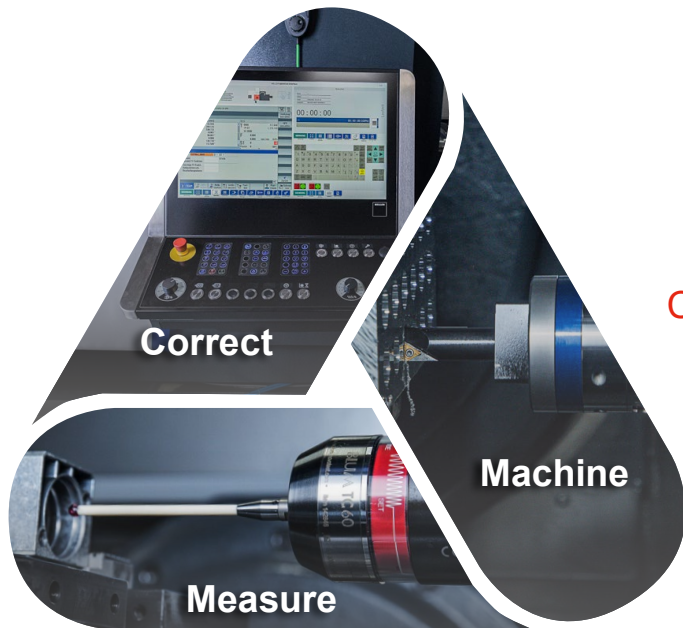
Are you interested in our KOMflex fine spindle head?
Then send us your non-binding inquiry now!

Download the amortisation calculator* now and find out how much money you can save with our KOMflex fine spindle head!

* please note the following: available languages: German & English | deposited values are only example values



cuttingtools.ceratizit.com/in/en/komflex



Combines the production steps from machining to quality assurance in a closed-loop system

Advantages 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 a suitable measuring device 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

| | | |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Positioning accuracy | 2 μm in radius | |
| Suitable for tolerance classes | from IT6 for $\varnothing \geq 10$ mm (9 μm) in steel | |
| Adjustment range | ± 0.25 mm | |
| Boring range | $\varnothing 6 - 120$ mm | |
| L/D ratio \rightarrow max. length of the attachment tool | Internal machining: $\varnothing 6 - 25$ mm $\rightarrow 3xD$ $\varnothing 25 - 63$ mm \rightarrow max. 75 mm $> \varnothing 63$ mm \rightarrow max. 30 mm | External machining: $\varnothing 6 - 50$ mm \rightarrow max. 50 mm |
| Max. weight attachment tool | 250 g | |
| Max. coolant pressure | 30 bar | |
| Outer diameter | 63 mm | |
| Height | 100 mm | |
| Max. RPM | up to 8,000 rpm in centre position with optimum balancing | |
| Combined tool interface | ABS 32 / dia. 16 mm / teeth | |
| Interface | ABS 50 | |
| Protection class | IP67 | |
| Battery | 2x AA 3.6 V SAFT LS14500 | |



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THE Cutting Tool Solution

CERATIZIT India Pvt. Ltd.
16J, Attibele Industrial Area \ Bengaluru 562 107
T: +91 80 6772 8000
E: marketing.india@ceratizit.com



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