

# KOMflex Precision adjustment head

The automated system combination with  
BLUM measurement technology

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

**Tooling a Sustainable Future**

[ceratizit.com](http://ceratizit.com)



**CERATIZIT**  
GROUP



# KOMflex

Combined system with precision adjustment head and BLUM measuring probe technology



KOMET \ 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

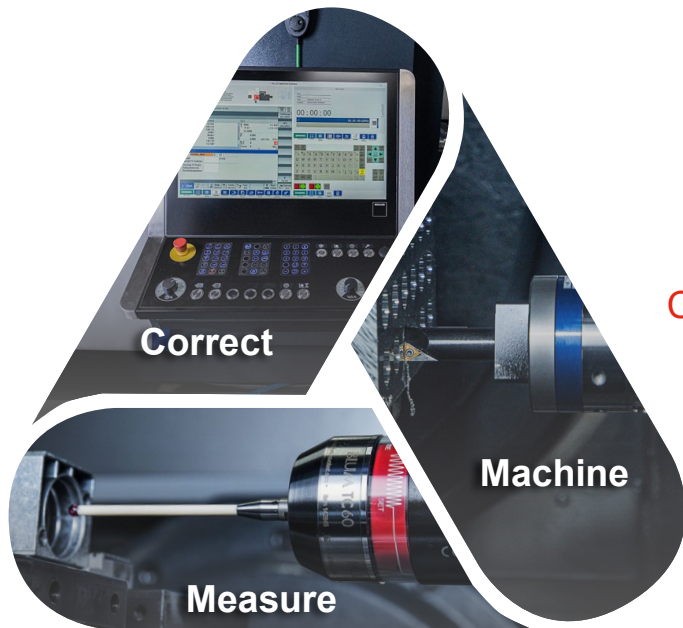
Are you interested in our KOMflex fine spindle head?  
Then send us your non-binding inquiry now!

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/int/en/komflex](http://cuttingtools.ceratizit.com/int/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  $\mu\text{m}$ -precise machining with closed-loop operation.

## Technical data

|  |   |   |
|--|---|---|
| Positioning accuracy                                       | 2 $\mu\text{m}$ in radius   |   |
| Suitable for tolerance classes                             | from IT6 for $\varnothing \geq 10$ mm (9 $\mu\text{m}$ ) in steel   |   |
| Adjustment range   | $\pm 0.25$ mm   |   |
| Boring range   | $\varnothing 6 - 120$ mm  |   |
| L/D ratio $\rightarrow$ max. length of the attachment tool | Internal machining:<br>$\varnothing 6 - 25$ mm $\rightarrow 3xD$<br>$\varnothing 25 - 63$ mm $\rightarrow$ max. 75 mm<br>$> \varnothing 63$ mm $\rightarrow$ max. 30 mm | External machining:<br>$\varnothing 6 - 50$ 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  |   |



**COMPLEX COMPONENTS.  
PRECISION METAL CUTTING.**

**JUST  
OUR  
THING**



**ADVANCING METAL CUTTING.  
WITH STRAIGHTFORWARD AND HELPFUL ADVICE.**



**SMALL ORDER QUANTITY.  
ON THE ROAD IMMEDIATELY.**

[www.just-our-thing.com](http://www.just-our-thing.com)

**THE Cutting Tool Solution**