

# KOMflex Precision adjustment head

The automated system combination with BLUM measurement technology

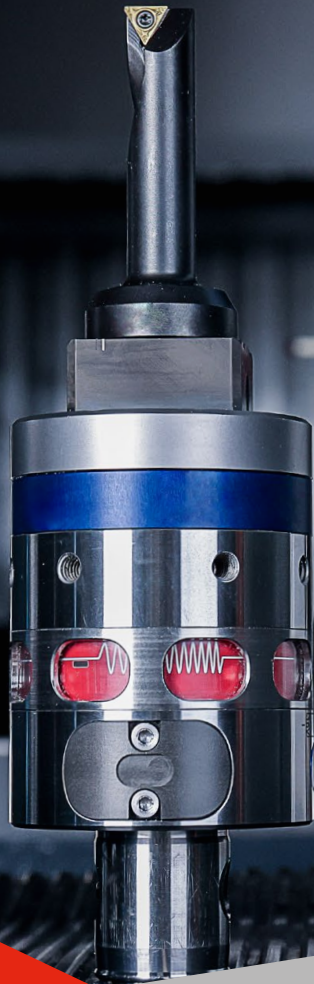
CERATIZIT is a high-technology engineering group specialized in cutting tools and hard material solutions.

**Tooling a Sustainable Future**

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



**CERATIZIT**  
GROUP



# KOMflex

Combined system with precision adjustment head and BLUM measuring probe technology



## 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!**

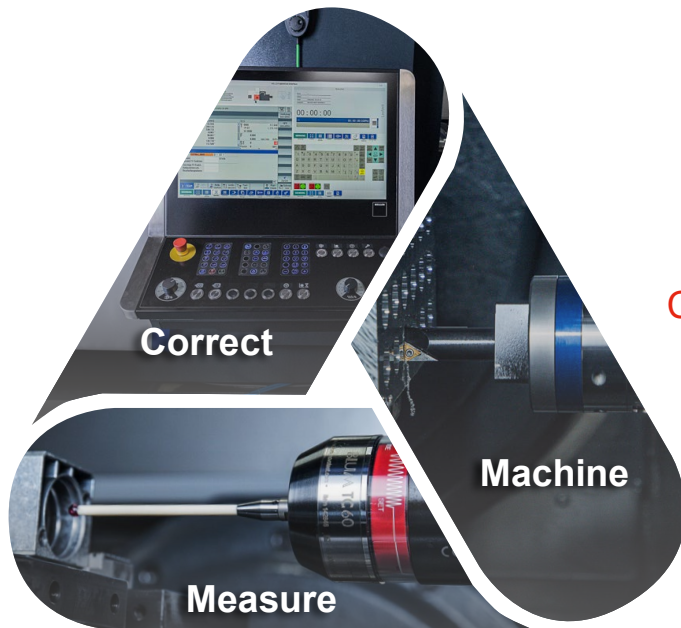
Download the amortisation calculator\* now and find out how much money you can save with our KOMflex fine spindle head!

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



[cuttingtools.ceratzit.com/int/en/komflex](https://cuttingtools.ceratzit.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 $\varnothing \geq 10 \text{ mm}$ (9 $\mu\text{m}$ ) in steel	
Adjustment range	$\pm 0.25 \text{ mm}$	
Boring range	$\varnothing 6 - 120 \text{ mm}$	
L/D ratio → max. length of the attachment tool	Internal machining: $\varnothing 6 - 25 \text{ mm} \rightarrow 3xD$ $\varnothing 25 - 63 \text{ mm} \rightarrow \text{max. } 75 \text{ mm}$ $> \varnothing 63 \text{ mm} \rightarrow \text{max. } 30 \text{ mm}$	External machining: $\varnothing 6 - 50 \text{ mm} \rightarrow \text{max. } 50 \text{ mm}$
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	



## THE Cutting Tool Solution

**CERATIZIT USA, LLC.**  
625 Griffith Rd., Suite 120 \ Charlotte, NC 28217  
1-800-783-2280  
[customerservice.usa@ceratizit.com](mailto:customerservice.usa@ceratizit.com) \ [cuttingtools.ceratizit.com](http://cuttingtools.ceratizit.com)



Part of the Plansee Group