



Micro Mill Spindle High Speed Spindle

WEISS Spindeltechnologie
March 2024

High Speed Spindle Micro^{mill}

The new MicroMill spindle series was specially developed for machines with a very small footprint. With its performance data, it is perfectly suited for machines with low energy consumption that are highly flexible in their locations and applications. The Micro Mill offers high performance and maximum accuracy at high speeds of up to 60,000 rpm. It is mainly used for machining the smallest components, e.g. in the watchmaking industry or in medical technology.

Despite its small dimensions, it enables automatic tool changes with a pneumatic release unit, this also eliminates the hydraulics in the machine. In addition, an encoder in the spindle enables precise positioning which means that processing steps such as thread cutting can be carried out. The spindle will be available with HSK-E15 and ATC-E15 interfaces.

Technical Data

Tool Interface	HSK-E15* / ATC-E15
Tool Release Unit	Pneumatic
Encoder	1 Vpp
Power	450 W
Torque	7.2 Ncm
Speed max.	60,000 rpm
Lubrication	Grease

*optional HSK-E16

Application

Micro milling for machining of the smallest parts in

- › medical applications
- › clock industry
- › electronic applications

