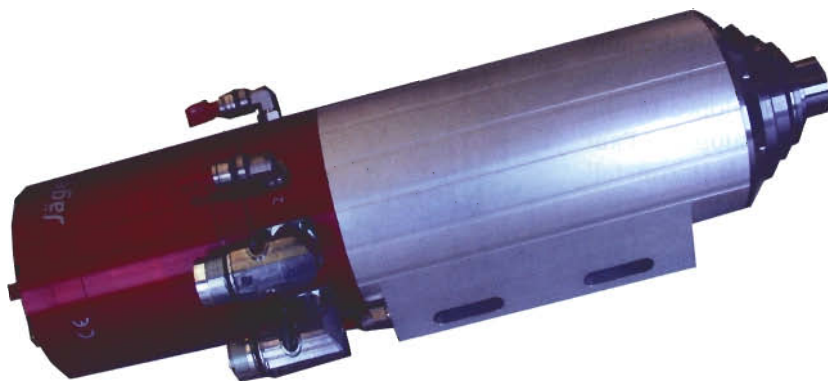


High-Frequency Motor Spindle Series Expanded with Addition of Faster, More-Powerful New Low-Cost Models

Alfred Jäger GmbH, a supplier of premium high-frequency motor spindles, first introduced its Chopper range of modular systems in 2007. Now, the company has expanded this product range with the leaner Chopper-series Redline low-cost motor spindles, which include a water-cooled variant with an HSK-E25 clamping system and speeds to 40,000 rpm, along with two other higher-performing models that offer up to 5 kW of constant power output.



REMOVE MATERIAL...

FASTER!

Magnified 2X



Chips produced when cutting above part of 4140 material using standard finishing ball nose endmill.

Magnified 10X



Chips produced when cutting above part of 4140 material using new Rigid-Lock XR roughing ball nose endmill.

● 0.010" needed to clean up roughing cut.

- Greatly increase feed rate and surface footage!
- Save money by using same holder for roughing and finishing!



Available sizes:
Inch: 1/2", 5/8", 3/4" and 1"
Metric: 12mm, 16mm, 20mm and 25mm

TOOL FLO

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RIGID LOCK
SERRATED LOCKING SYSTEM

BALL NOSE END MILLS

Patent # 6,796,751 B2

800/345-2815

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Characterized by their signature red highlight colour, the Redlines offer the same modular flexibility as previous Choppers, but they feature faster top rotational speeds of 30,000, and even 40,000, rpm. The spindle concept allows various tool-clamping systems to be integrated into a single basic body. Whether dealing with a manual pneumatic direct change, a taper change, or an HSK-E25 or -E32, in some cases tools up to 16 mm in diameter can be incorporated into the clamping device.

For example, spindles from the 1500 Chopper series can be directly attached to the machine axis using the holder T slots (DIN-650-8) without additional spindle brackets. With the air-cooled versions, a ventilation system integrated into the spindle saves the cost of an external cooling device.

A new Chopper spindle with the HSK-E25 clamping system is the water-cooled 2300-40 version with a nominal output power of 2.3 kW in continuous operation and 40,000-rpm capability. The 1500 series also has been expanded with the addition of an air-cooled HSK-E25 version, that is available additionally in a special Chopper "bundle" that includes a Chopper frequency converter. Power outputs answering the requirements of some customers are provided by the 3.3-kW (constant-output) air-cooled 3300 H S5 and the 5.0-kW 5000 HSK S5. An 8-kW version is coming to top off the range.

Alfred Jäger GmbH

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