



# The HIGH SPEED SPINDLE for ANY MACHINE TOOL

## IBAG's "PLUG & GO" spindles HFK Type with 4 Models

The HFK 95 has been specially designed for production machines with Automatic Toolchange.

Automatic quick release connector, Lightweight, No need for Water Cooling. Features include permanent grease lubricated bearings, positive internal air pressure and labyrinth air seal protection. Cooling is provided by compressed air.

The HFK 90.1 features a water cooled housing, and offers higher power and torque than the air cooled model. It is available as standard with grease lubricated bearings, and uses a 220 V AC motor.

The HFK 90 features a water cooled housing and is available with grease or oil air lubrication for the hybrid ceramic bearings. A 380 V AC motor provides more power and higher torque than the 220 V Version. The Spindle can be delivered separately, or as a complete system with mobile Supply-Unit 20.

The HFK 135 is the most powerful model, utilizing water cooling and a 380 V AC motor. Grease or oil air lubrication for the hybrid ceramic bearings available. The Spindle can be delivered separately, or as a complete system with Supply-Unit 35. Optional S62 quick change system is available for easier tool change and tool length presetting.



HFK 95:  
40'000 rpm, 1 kW, 0.20 Nm  
clamping capacity 6mm



HFK 90.1 For European, USA and Asia markets with 220 V AC motor: 42'000 rpm, 1.9 kW, 0.4 Nm, clamping capacity 10 mm, picture shows complete system with HFK 90.1, converter and chiller



HFK 90 with 380 V AC motor: 42'000 rpm with grease lubrication, 60'000 rpm with oil air lubrication, 2.7 kW, 0.45 Nm, clamping capacity 10 mm, available as turnkey finished system with Supply-Unit 20

HFK 135 with 380 V AC motor: 26'000 rpm with grease lubrication, or 30'000 and 40'000 rpm options with oil air lubrication, 10 kW, 5.6 Nm, clamping capacity 16 mm



HFK 135 turnkey finished system with Supply-Unit 35

