



Over 30 years experience in High Speed Cutting

For over 30 years, IBAG has been a pioneer in the high-speed cutting process. IBAG offers a full line of motor spindles, suited for most applications. A selection of small sized spindles used for fine milling, drilling, and engraving are available. In addition, a wide assortment of large, powerful spindles are offered for heavy milling and for CNC machining centers. High speed cutting of mold and dies as well as automotive, transferline, aerospace, aircraft and small job shop applications are all possible with IBAG spindles. The benefits of high speed machining are well known today, and IBAG delivers a proven solution including the highest technology in spindle design. IBAG provides components or the complete system, including drives, lubrication and spindle cooling. High productivity options are also available to provide the best accuracy, reliability, and quality possible. With high speeds, high power, high torque, and the complete support of a world wide service organization you can trust IBAG to be your productivity partner. With over 30 years of experience and worldwide support in HSC-Technology, we are the experts ...

... *IBAG of course*

Comprehensive Knowledge in High Speed Cutting



High Quality at Much Lower Price!



HF45



HF80



HF100



HF120

IBAG Motor Spindles “Silver Edition” Offer Exceptional Value and Performance

Selected Small and Mid Size Spindle Models Offered in “Silver Edition”

These spindles are built with the same IBAG Quality & Accuracy but with very limited options.

The “Silver Edition” spindles are typically built in large quantities. This reduces the manufacturing costs, and reduces the spindle cost for you. “Silver Edition” spindles must be ordered in reasonable quantities with identical specifications. By providing a standard product, in high quantities, IBAG can provide the most cost effective solution for your manufacturing needs.

Notes

A-Type Spindles are available with CAT, SK, SKI or BT (BBT) Tooling Interface.

Standard Tool Release System is Hydraulic (some models available with pneumatic)

Permanent Grease Bearing Lubrication Standard.

Quick Connection for all Hoses on the Spindle and Motor Cable with Connector.

Precision Hybrid Ceramic Bearings Used for Long Spindle Life.

Type	rpm	kW	Nm	Collet mm
HF45	55'000	0.4	0.07	7
HF80	40'000	3.2	0.8	8
HF100	30'000	7.8	2.1	10
HF120	30'000	16.9	5.4	12
HF150	24'000	28.6	11.5	16
HF210	20'000	30	80	20

High Speed and High Quality for Universal Use

IBAG Mid Sized Motor Spindles for Drilling, Milling, and High Speed Cutting



HF80



HF100



HF120



HF140

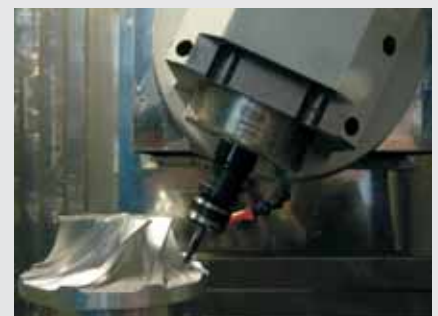
HF Motor Spindles HF80, HF100, HF120, and HF140

These spindles are used for production manufacturing, electrodes, and for mold and die machining. Materials cut include hardened steel, aluminum, brass, copper, graphite, and various plastics. All mid sized spindles are available with built-in drawbar for automatic tool change (ATC) and various tooling systems (See page 8 for details).

Type	rpm	kW	Nm	Clamping
HF80	50'000	3.2	0.8	SKI20
HF100	50'000	7.8	2.1	HSK32
HF120	42'000	16.9	5.4	HSK40
HF140	36'000	28.6	11.5	HSK50



Milling graphite electrodes with HF80



5 axis milling turbine propeller with HF120

Service and Support



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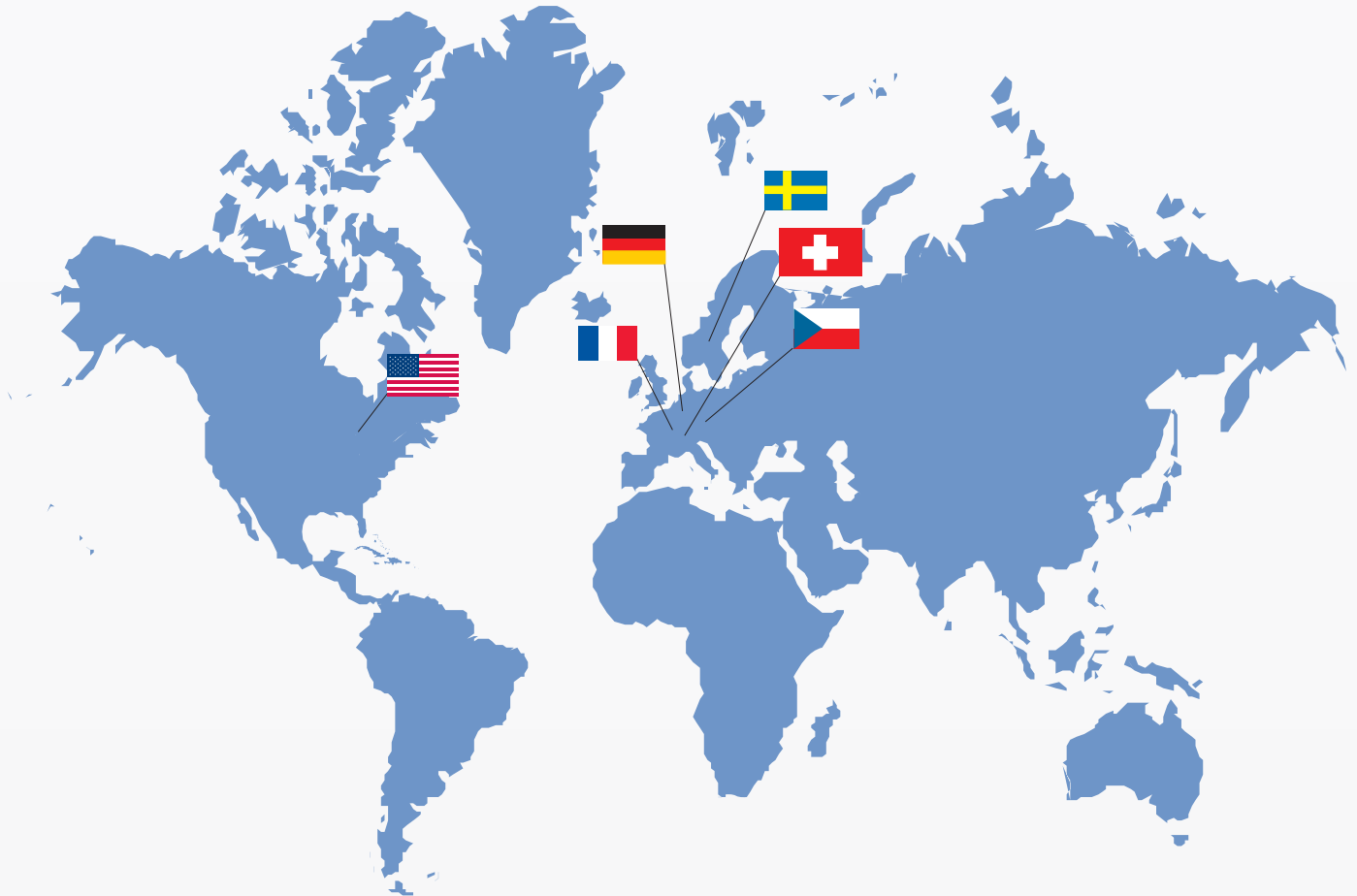
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