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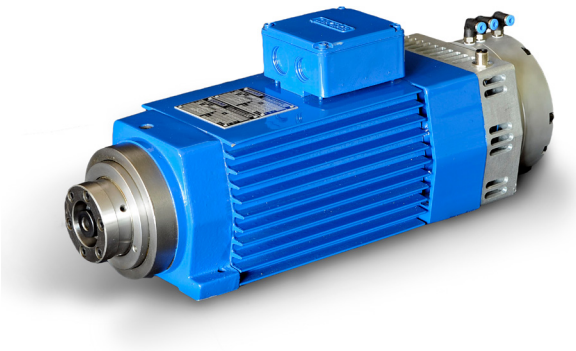
Perske Electric Motor Spindle with HSK-F63 Automatic Tool Changing System

Ideal for shaping and cutting applications of various materials.

Motor Description:

- Slim, low profile Perske motor design allows deeper cutting depth and performance
- Lifetime lubricated, high precision angular contact bearings with double bearing arrangement on front bearing position to eliminate axial play
- Air-cooler, self-ventilated
- Continuous duty rated (S1-100%) with high overload capacity
- HSK-F63 tool interface with automatic tool change system
- Pneumatic release unit with position sensors to monitor tool system status



Performance Guide: PERSKE Motor Series with HSK-F63 for automatic tool change

Type	Drawing	Weight kg/lbs.	Output (kW/HP@S1 duty) synchronous frequency/synchronous speed		
			100Hz 6,000 rpm	150Hz 9,000 rpm	200Hz 12,000 rpm
KNWS 61.13-2D	MS 4464	28/62	4.0/5.5	5.0/6.8	6.0/8.0
KCWS 71.16-2D	MS 182-493-1	50/111	6.6/8.9	7.0/9.5	8.0/10.8
			200Hz 6,000 rpm	300Hz 9,000 rpm	400Hz 12,000 rpm
KRWS 80.14-4D	MS 4475	70/155	10.0/13.5	12.0/16.1	14.0/18.8

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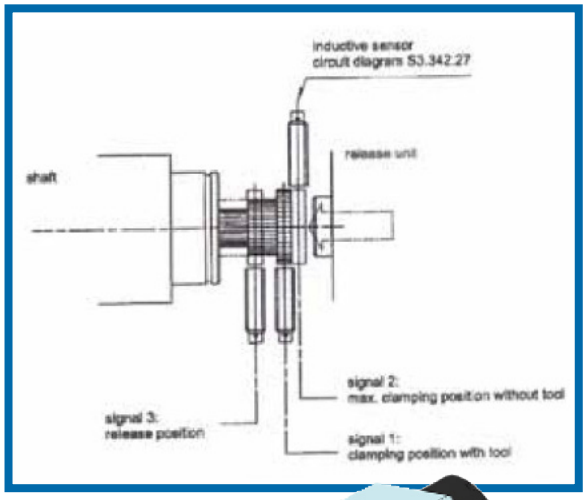
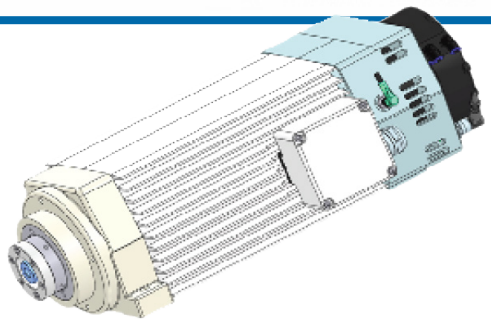
HSK-F63 Automatic Tool Changing System:





Benefits:

- Automatic tool change reduces tool set-up time and increases tool seating accuracy
- HSK-F63 tooling interface allows for same tool use on multiple machines
- Motor is self-ventilated, eliminating need for water or oil cooling
- Retention force in excess of standard range allowing for use of heavy tooling
- Three sensors pre-set for electronic monitoring of tool clamping positions ensures high level of safety

System Components:

- HSK-F63 tool interface
- Push bar with fixed cams for monitoring shaft position
- Pneumatic release unit with integrated sensor system (3 sensors)

Tooling Demand:

- Tooling must be balanced to G6.3 specifications (minimum requirement for standard routing). For the larger tool weights, G2.5 specs are required
- Maximum diameter of the tool can be 12.5" (320 mm)
- Maximum tool center of gravity is 3.9" (100 mm) in front of HSK plane surface
- Maximum tool weights are determined for each Perske motor type

CRP PERSKE

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