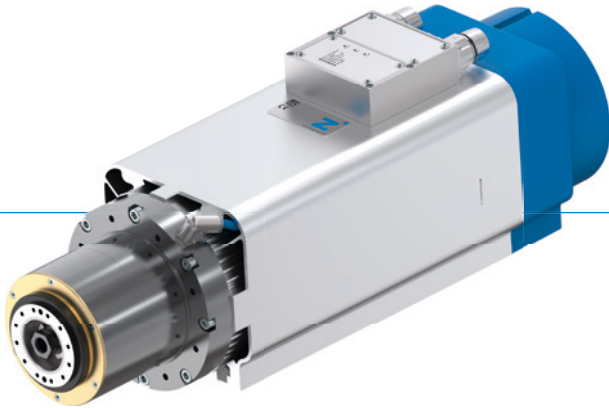


MOTOR SPINDLES

HF145-001-005

▶ PRODUCT ADVANTAGES



- ▶ **Rated power S1: 7.5 kW**
- ▶ **Rated torque S1: 6.1 Nm**
- ▶ **Max. speed: 24,000 rpm**
- ▶ Air cooling via electric fan
- ▶ IO-Link communication
- ▶ Designed as unit carrier
- ▶ Hybrid bearings used for maximum performance
- ▶ Ideal for processing wood, plastics, lightweight metal and composites
- ▶ Vector controlled

▶ EQUIPMENT FEATURES



Conus cleaning of tool fixation



Labyrinth seal



Tool fixation monitoring



Sealing air



Speed monitoring



Automatic tool change



IO-Link



Vector controlled / feedback

▶ OPTIONS



C-axis interface



Acceleration sensor



Manual tool release pushbutton



Aggregate interface



Robot change unit

▶ ACCESSORIES



Frequency inverter

Page 41



Control units

Page 41



Adapter
Frequency inverter

Page 41



Power lines

Page 43



Signal lines

Page 43



Encoder lines

Page 43



Robot change unit

Page 44

▶ TECHNICAL DATA

▶ HF145-001-005

Three phase asynchron motor, 4-poles

Nominal output S1 [kW]	7.5
Rated torque S1 [Nm]	6.1
Nominal current S1 [A]	15.0
Nominal speed	11.770
Maximum speed	24,000
Tool interface	HSK-F63
Motor technology	Asynchronous
Number of poles	4
Release unit	Pneumatic
Cooling	Electric fan
Weight [kg]	27

▶ Interface Diagram

	Interface
A	Tool unlocked
AZ	Tool clamping
KR	Conus cleaning
SPL	Sealing air
XD1	Power and signal connector
XG2	Signal connector
XG3	Position and speed sensor

