



NEW

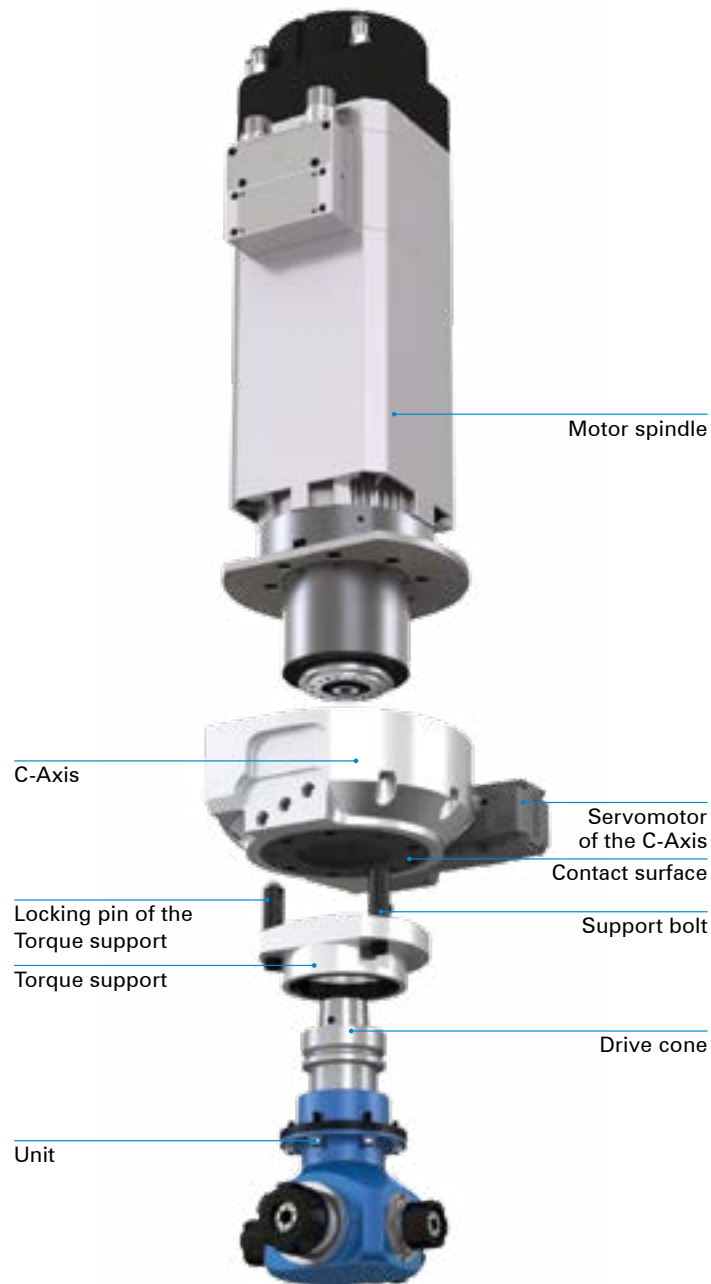
HIGHLIGHTS

Machine Tooling Technology

Wood / Composites /
Aluminium machining



MACHINE COMPONENTS



MOTOR SPINDLES

Highest precision and productivity in your machines

The motor spindle is decisive for the performance of the machine and the quality of the machined workpieces. The compact and powerful BENZ motor spindles with high-precision bearings ensure high speeds and excellent concentricity.

Advantages:

- Extended lifetime
- High power density
- Backlash-free, massive bearings
- Very compact design
- Optimum power-to-weight ratio
- 3 separately controllable media supplies
- Maintenance free

5-AXIS TECHNOLOGY

Machining complex workpieces quickly and easily

Advantages of the BENZ 5-axis-heads:

- Very compact design
- High-quality, durable components
- Highly precise transmission in all axes
- Massive construction
- 3 separately controllable connections on the spindle front
- Unit interface for automatic tool change
- Low interference circuit during swivelling

 380V	 SW-10UN-HSKF63-PN-00 P _{S1/S6} [kW] 10 / 12* n _{max} [U/min] 24.000 M _{S1/S6} [Nm] 9,7 / 11,7*	 380V	 SW-12UN-HSKF63-PN-00 P _{S1/S6} [kW] 12 / 15* n _{max} [U/min] 24.000 M _{S1/S6} [Nm] 9,8 / 12,3*
 380V	 SL-11KH-HSKF63-PN-01 P _{S1/S6} [kW] 11 / 13,2* n _{max} [U/min] 24.000 M _{S1/S6} [Nm] 8,9 / 10,7*	 350V	 SW-18UN-HSKF63-PN-00 P _{S1/S6} [kW] 18 / 22,5* n _{max} [U/min] 12.000 M _{S1/S6} [Nm] 26,5 / 33,4*
 380V	 FK-12KP-HSKF63-SM-00 P _{S1/S6} [kW] 12 / 15* n _{max} [U/min] 24.000 M _{S1/S6} [Nm] 9,8 / 12,3*	 380V	 FK-15GP-HSKF63-SM-00 P _{S1/S6} [kW] 14,5 / 19* n _{max} [U/min] 24.000 M _{S1/S6} [Nm] 14,7 / 19,3*

*S6 = maximum output by 40% ED

INDUSTRIE 4.0 **i.com**

BENZ i.com processes your tool data and gives you important information about the condition of your aggregate. Our BENZ i.com App provides access to the cloud, where all important information and documents are available for you.



Product view: Overview of tool data with preview image.

Tool data: Status display with operating hours counter

Documentation: Drawings, instructions, protocols etc. for download

Hybrix

ADAPTED TO YOUR MACHINE CONCEPT

NEW TECHNOLOGY

Innovative tool holder system directly coupled with the high-frequency spindle for maximum rigidity and shortest tool change times (< 2 sec)

Your advantages:

- Highest precision
- Maximum flexibility
- Small interference contour
- High power density
- Highest speeds



Hybrix	C-1	S-1	S-2
P _{S1/S6} / Spindle [kW]	11 / 13,2*	26 / 38*	20 / 25*
n _{max} [U/min]	24.000	12.000	16.000
M _{S1/S6} [Nm]	8,9 / 10,7*	31 / 45*	57 / 72*

SERVICES

From repair and spare parts packages up to on-site service - worldwide.



Consulting and project planning for machine manufacturers

The main spindle as the heart of the machine requires professional integration into the machine concept. From the selection of the right motor spindles to the various A- and C-axis options to the appropriate tool holders: We will be happy to support you in implementing your machine concept and configure the perfect solution for your requirements.

Take advantage of our experience and contact us. We will be happy to advise you!