

# SH 75

ROTATING UNITS | SH 75 LIFTING-ROTATING UNIT



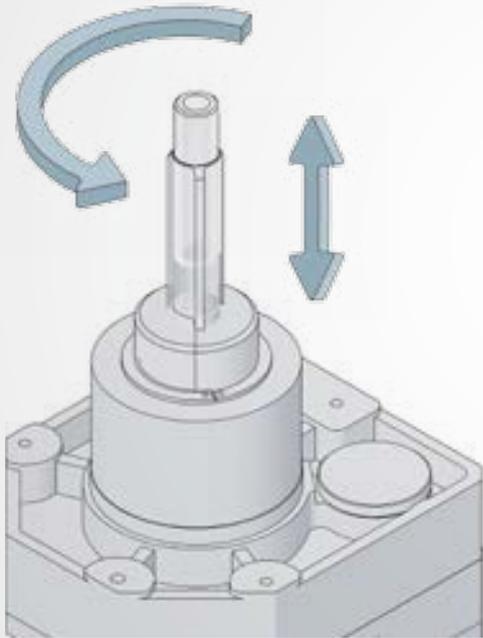
## SH LIFTING- ROTATING UNIT

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**FREELY AND INTUITIVELY PROGRAMMABLE**

W.A.S. 2 – WEISS Application Software: secure and fast commissioning with free-of-charge user software.





Handling unit with independent servo axes for lifting and rotary movements

The resounding success enjoyed by the SH 75 is largely thanks to its versatile and flexible deployment options. The lifting and rotary axes are user-programmable independent of one another – making the axis combination suitable for a wide range of applications, including varying tasks. A high power density, extremely compact dimensions, as well as fast and convenient start-up using the WEISS Application Software are further plus points. The new integrated servo motors have catapulted the unit into new categories of dynamics and precision.

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## ADVANTAGES

- Compact design with high power density
- Excellent dynamics thanks to use of the latest servo drives
- Flexible deployment options throughout varying tasks/processes
- User programmability of the two independent lifting and rotary axes
- WEISS Application Software (W.A.S. 2) for quick and easy start-up

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## GENERAL INFORMATION

- The installation location of the SH unit can be freely chosen
- Both the rotary movement and the linear movement are user-programmable
- The lifting-rotating unit can optionally be equipped with a brake
- A clamping set is available for fitting the customer's attachments

# SH 75

## TECHNICAL DATA

- The lifting-rotating unit can be equipped with functional safety (on request)

### TECHNISCHE DATEN

<b>U</b>	Voltage range:	200-600 V <sub>AC</sub> Effektiv
<b>I<sub>P</sub></b>	Peak current:	7.6 A
<b>n<sub>2 Max</sub></b>	Max. rotation speed:	220 min <sup>-1</sup>
<b>T<sub>2P</sub></b>	Max. acceleration torque:	12 Nm
<b>v<sub>2 Max</sub></b>	Max. speed:	0.5 m/s
<b>F<sub>2P</sub></b>	Peak current:	1200 N
<b>s<sub>Max</sub></b>	Max. stroke:	75 mm
	Repeat accuracy (rotation):	180 arcsec (± 90")
	Repeat accuracy (stroke):	0.02 mm
<b>J<sub>2 Max</sub></b>	Max. inertia:	0.06 kgm <sup>2</sup>
<b>m<sub>rec</sub></b>	Max. recommended load:	10 kg
<b>C<sub>r0</sub></b>	Concentricity when retracted:	0.06 mm
<b>C<sub>r75</sub></b>	Concentricity when extended:	0.08 mm

### LOAD DATA (on the drive shaft)

<b>F<sub>2A stat</sub></b>	Static axial force:	1200 N
<b>F<sub>2R stat</sub></b>	Static radial force (extended):	500 N
<b>F<sub>2R stat</sub></b>	Static radial force (retracted):	1500 Nm
<b>M<sub>2T stat</sub></b>	Static torque:	10 Nm

### ENCODER

Sick	Hiperface
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### TIMING DIAGRAM

