

Technical Data Sheet

5-Axis CNC Machining Center · HEDELIUS RotaSwing 505 K 18 Magnum

Reference No.: 24182

Quantity	1 off
Machine type	5-Axis CNC Machining Center
Make	Hedelius
Model	RotaSwing 505 K 18 Magnum (Type RS505 K18 Magnum 40/530/1250/420/12)
Year of manufacture	2017
Control	Heidenhain iTNC 530

Equipment

- 5-axis machining with integrated rotary-swivel table unit (right) and fixed machine table (left)
- 33-station tool magazine
- Coolant/chip conveyor (scraper-belt type)
- Fully automatic central lubrication
- Shuttle (pendulum) machining via working-area partition with automatic mode switching
- Air blast nozzle at spindle nose
- Through-spindle coolant (TSC) with 500 l / 25 bar filter unit
- Air blow guns (2x)
- Coolant flush guns in the working area
- M&H 25.50 3D infrared touch probe with M&H 91.40 infrared receiver
- Heidenhain KinematicsOpt for RS machines
- HR 410 handheld control unit

Technical Data

Travels

X-axis (in-line mode)	1,250/420 mm (fixed table left / rotary-swivel table right)
X-axis (total travel)	1,800 mm
X-axis (shuttle mode)	700/420 mm (fixed table left / rotary-swivel table right)
Y-axis	510/315 mm (fixed table left / rotary-swivel table right)
Z-axis	480 mm

Rapid traverse rates

Rapid traverse X/Y/Z	0 - 40/45/45 m/min
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Main spindle

Type	Celox motor spindle, water-cooled
Tool holder	SK 40

Power/torque	19.0 kW/100 Nm
Speed range	50 - 12,000 min⁻¹

Tool magazine

Stations	33
Max. tool weight	6.0 kg
Max. tool length	250 mm
Max. tool diameter	63 mm (80 mm with adjacent stations empty)
Chip-to-chip time approx.	7.0 - 13.0 sec

Rotary-swivel table unit

Rotary table	Ø 420 mm
Swept diameter	Ø 460 mm
T-slots	5 x 14 mm (pitch 80 mm), keyway 14H8
Swivel range	+100° to -100° x ±360°
Swivel speed (90°)	1.2 sec
Swivel accuracy	< ± 10"
Rotation speed	0 - 30 min⁻¹
Indexing accuracy	< ± 6"
Face runout	0.015 mm
Max. clamping weight	200 kg

Fixed machine table

Design	Cast iron, 7 x T-slot 14 mm (pitch 63/80 mm), center slot as keyway 14H8
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Electrical connection

Electrical	400 V / 50 Hz / 25 kVA
Compressed air	0.6 MPa (max. 1 MPa)

Dimensions/Weight

Weight	6,600 kg
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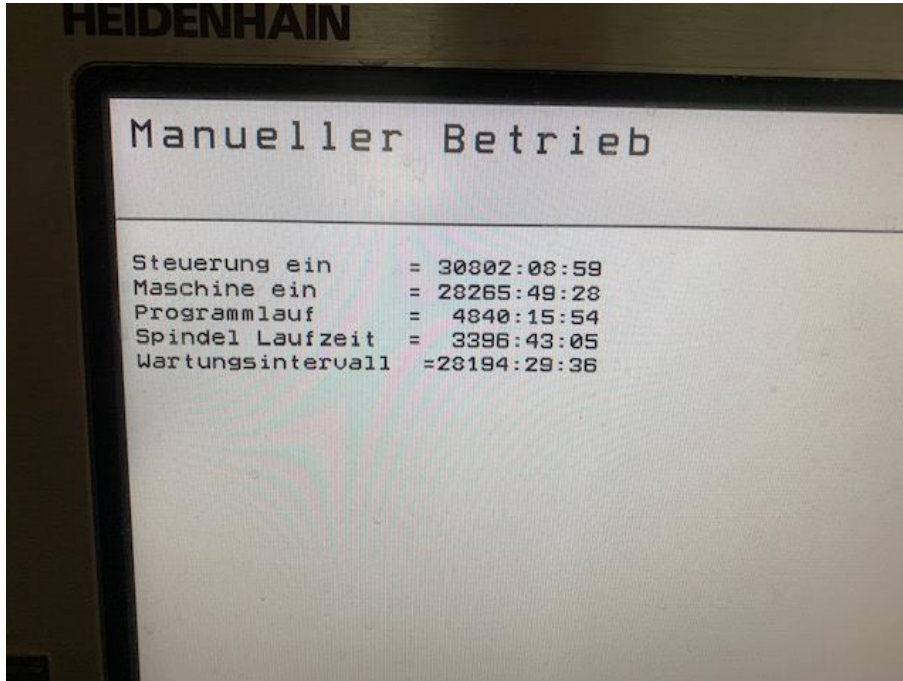
Operating Hours/Condition

Spindle runtime	approx. 3,397 hrs
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Photos



Betriebsstundenanzeige



All information is provided without engagement. Errors and omissions excepted; subject to change.