

RÖDERS

RXP 601 DSH

Stock no. :1022-E06361

MACHINE-DATA

Machinetype : Machining Center - Universal
Make : RÖDERS
Type : RXP 601 DSH
Year : 2018
Control type : CNC
Control :
Storage location : Germany
Origin : Germany
Delivery time : Immediately
Quotation : Ex Works
Price : on request



TECHNICAL DATA

x-travel	540 mm
y-travel	635 mm
z-travel	400 mm
weight of the machine ca.	10,2 t
dimensions of the machine ca.	2,9 x 2,9 x 3,1 m

TECHNICAL DESCRIPTION

Röders RXP 601 DSH – 5-Axis High-Precision Milling and Grinding Center

General Machine Data

Manufacturer: Röders TEC GmbH (Germany)

Machine Type: 5-Axis CNC Milling and Grinding Center

Model: RXP 601 DSH

Design: Vertical High-Speed Machine

Axis System: X / Y / Z + A / C

Drive System: Direct drives in all linear and rotary axes

Measuring Systems: Optical direct measuring systems in all axes

Thermal Management: Active temperature stabilization of all main components



RÖDERS

RXP 601 DSH

Stock no. :1022-E06361

Workspace & Mechanics

X-axis travel: 540 mm

Y-axis travel: 635 mm

Z-axis travel: 400 mm

A-axis swivel range: $\pm 115^\circ$

C-axis continuous rotation (360°)

Max. workpiece weight: up to 200 kg

Machine weight: approx. 10,200 kg

Space requirement (LxWxH): approx. 2,950 x 2,950 x 3,100 mm

Spindle system

Spindle manufacturer: Levicron

Spindle type: High-precision air-bearing milling and grinding spindle

Bearing: Air bearing, operating pressure up to 10 bar

Tool holder: HSK 25 (HSK-E depending on the version)

Application: High-speed milling and precision grinding

Thermal properties: Virtually frictionless, minimal heat input

Grinding equipment: • Integrated grinding function in the CNC control

• Optimized axis control for grinding processes

• Vacuum Z-axis compensation to relieve stress on the Z-axis

• Thermally stabilized Z-axis for maximum dimensional accuracy

• Suitable for coordinate, profile, and fine grinding

Peripheral systems:

Extraction: Industrial extraction system for milling and grinding operations

Oil treatment: Filter and treatment system for Grinding oil

Cooling lubricant

Temperature control

Chip disposal

Oil-based grinding medium



RÖDERS

RXP 601 DSH

Stock no. :1022-E06361

Active media temperature control

Integrated screw conveyors

All information provided to the best of our knowledge, subject to technical modifications.

VIDEO-LINKS

WEB-LINK

<http://mhp.logotech.de/hpm/v7/Datenblatt/datenblatt.php?machineno=1022-E06361>

RÖDERS

RXP 601 DSH

Stock no. :1022-E06361

