



## 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 : Deutschland  
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*



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### *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*



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*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>

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