

PRODUCT RANGE

RÖDERS HSC MACHINES
AND HANDLING SYSTEMS



HIGH TECH IS OUR BUSINESS.

röders
TEC



RXP

	RXP 300	RXP 500	RXP 600
Work area X / Y / Z	320 / 300 / 200 mm	500 / 400 / 240 mm	600 / 480 / 300 mm
Feed rates	40,000 mm/min in all axes	40,000 mm/min in all axes	40,000 mm/min in all axes
Max. workpiece weight	200 kg	400 kg	600 kg
Main spindles	HF spindle, HSK E25 3,000 – 50,000 RPM	HF spindle, HSK E40 3,000 – 42,000 RPM, 14 kW	Vector-regulated HF spindle, HSK F63 100 – 30,000 RPM, 22 kW
Tool changer / places	16, optionally 42 or more loadable during machining	21, optionally 42 or more loadable during machining	18, optionally 34 or more loadable during machining
Weight	3.8 t	5.5 t	8.6 t

THE RXP MACHINES

are the result of a long lasting development process for High Speed Cutting machines at Röders. Multiple patented and refined in every detail the low-wear and energy saving linear

motor machines achieve highest precision, dynamics and surface quality in many applications.



	RXP 200 DS	RXP 500 DS / RXP 500 DSC	RXP 600 DSH
Work area X / Y / Z	200 / 200 / 200 mm	425 / 400 / 240 mm	500 / 600 / 400 mm
Swivel range A-Axis Turning range C-Axis	+ 20/- 110° +/- n x 360°	+/- 110° +/- n x 360°	+/- 115° +/- n x 360°
Feed rates	40,000 mm/min in all linear axes	40,000 mm/min in all linear axes	40,000 mm/min in all linear axes
Max. workpiece weight	15 kg	60 kg	200 kg
Main spindles	HF spindle, HSK E25 3,000 – 60,000 RPM	HF spindle, HSK E40 3,000 – 42,000 RPM, 14 kW	Vector-regulated HF spindle, HSK E50 100 – 36,000 RPM, 17 kW
Tool changer / places	12, optionally 40 or more loadable during machining	19, optionally 42 or more loadable during machining	24, optionally 42 or more loadable during machining
Weight	3.0 t	6.0 t	10.5 t



RXP 800

800 / 600 / 400 mm

60,000 mm/min in all axes

800 kg

Vector-regulated HF spindle, HSK E50
100 – 36,000 RPM, 17 kW

30, optionally 52 or more
loadable during machining

12.0 t

RXP 1200

1200 / 1000 / 500 mm

60,000 mm/min in all axes

3,000 kg

Vector-regulated HF spindle, HSK F63
100 – 30,000 RPM, 22 kW

30, optionally 70 or more
loadable during machining

26.0 t



RXP 800 DS

500 / 600 / 400 mm

+/- 115°
+/- n x 360°

60,000 mm/min in all linear axes

200 kg

Vector-regulated HF spindle, HSK E50
100 – 36,000 RPM, 17 kW

30, optionally 52 or more
loadable during machining

12.5 t

RXP 800 DSH

600 / 785 / 500 mm

+/- 110°
+/- n x 360°

60,000 mm/min in all linear axes

400 kg

Vector-regulated HF spindle, HSK E50
100 – 36,000 RPM, 17 kW

30, optionally 46 or more
loadable during machining

15 t

RXP 800 DCH

600 / 785 / 500 mm

+/- 110°
+/- n x 360°

60,000 mm/min in all linear axes

300 kg

Vector-regulated HF spindle, HSK E50
100 – 36,000 RPM, 17 kW

30, optional 46 or more
loadable during machining

15 t



RHP

	RHP 500	RHP 800
Work area X / Y / Z	500 / 450 / 300 mm	800 / 750 / 500 mm
Feed rates	Limited to a maximum of 60,000 mm/min in all axes	Limited to a maximum of 60,000 mm/min in all axes
Max. workpiece weight	400 kg	800 kg
Main spindles	Vector-regulated HF spindle, HSK E40 100 – 42,000 RPM, 14 kW	Vector-regulated HF spindle, HSK E50 100 – 36,000 RPM, 17 kW
Tool changer / places	42 loadable during machining	30, optionally 52 loadable during machining
Weight	10.0 t	16.0 t

THE RHP MACHINES

are high-tech machining centres for the complete machining of complex geometries – fast, with high precision and an excellent surface quality. Hydrostatic guide ways and linear

motors in all axes allow for the combination of HSC milling, jig grinding and measuring in one set-up. This results in time and cost savings and a gain in precision.



THE RC HANDLING SYSTEMS

may be adapted perfectly to the customer requirements in automation for single machine automation, complex multi machine cells with integrated work piece and tool handling,

light work pieces or heavy work pieces. With the Rödgers job management software Rödgers offers highly reliable and easy to operate solutions from one source.

RC



	RCE / RC 2
Max. workpiece weight	100 kg
Largest pallet	Erowa UPC / System 3R Dynafix
Capacity	8 x UPC, 9 x Dynafix, 24 x ITS148 or Macro Magnum, 45 ITS72 or Macro ...
Gripper change	no
External tools	no



	RCS 1	RCS 2
Max. workpiece weight	8 kg	60 kg
Largest pallet	Erowa ITS72 / System 3R Macro	Erowa UPC / System 3R Dynafix
Z travel for magazine	1200 mm	1150 mm
Width of magazine (opt. two-sided)	810 mm	1350 mm
Gripper change	yes	yes
External tools	no	yes



	RC 3	RC 4
Max. workpiece weight	30 kg	150 kg
Largest pallet	Erowa UPC / System 3R Dynafix	Erowa UPC / System 3R Dynafix
Z travel for magazine	1600 mm	1600 mm
Width of magazine (per shelf)	1340 mm	1340 mm
Gripper change	yes	yes
External tools	yes	yes

	RCH
Max. workpiece weight	800 kg
Pallet size	800 mm x 600 mm, others on request
Z travel for pallet places	300 mm, others on request
Pallet places	placed in radiating lay-out (optionally rail)
Gripper change	no
External tools	no

>> HSC Machines and Automation >> Blow Moulds for PET Bottles
>> Röders Pewter & Röders ART



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