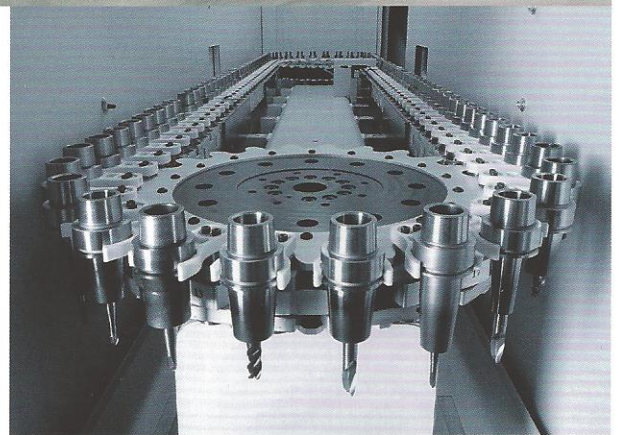


PRODUCT RANGE

RÖDERS HSC MACHINES
AND HANDLING SYSTEMS



HIGH TECH IS OUR BUSINESS.

röders
TEC

RCI

RCI-P

Workpiece weight	max. 8 kg
Largest pallet	Erowa ITS 72 / System 3R Macro
Capacity	20
Gripper change	no
External tools	no

RCE

RCE

Workpiece weight	max. 100 kg
Largest pallet	Erowa UPC / System 3R Dynafix
Capacity	8 x UPC, 9 x Dynafix, 24 x ITS 148 or Macro Magnum, 45 ITS 72 or Macro ...
Gripper change	yes
External tools	no



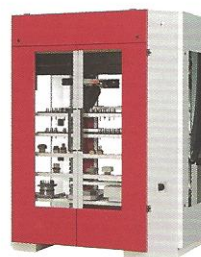
RCS

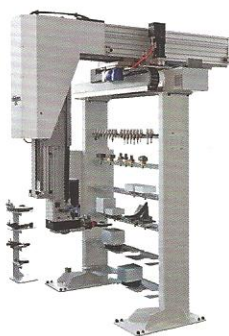
RCS1

RCS2

RCS3

Workpiece weight	max. 5 kg	max. 30 kg	max. 60 kg
Largest pallet	Erowa ITS 72 / System 3R Macro	Erowa ITS 148 / System 3R Macro Magnum	Erowa UPC / System 3R Dynafix
Z travel for magazine	1200 mm	1530 mm	1150 mm
Width of magazine	810 mm two-sided	1410 mm two-sided	1350 mm two-sided
Gripper change	no	yes	yes
External tools	no	yes	yes





RC4

RC4

Workpiece weight max. 150 kg

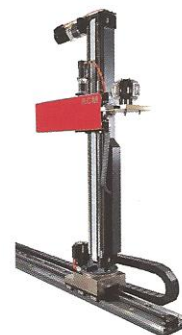
Largest pallet Erowa UPC / System 3R Dynafix

Z travel for magazine 1600 mm

Width of magazine 1340 mm

Gripper change yes

External tools yes



RCM

RCM

Workpiece weight max. 150 kg

Largest pallet Erowa UPC / System 3R Dynafix

Z travel for magazine 1800 mm

Width of magazine 1340 mm

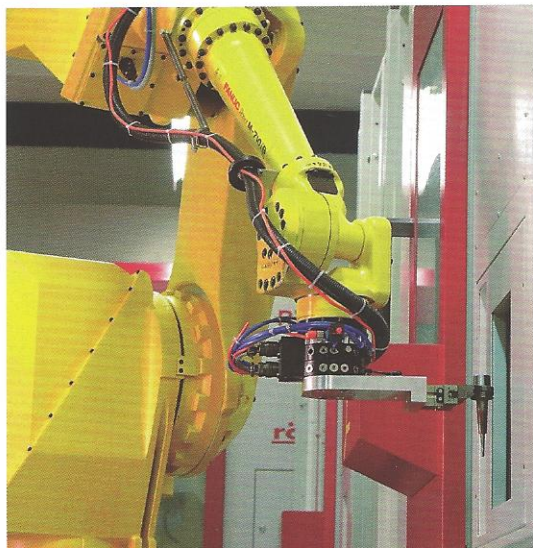
Gripper change yes

External tools yes

Can be extended with machines of other manufacturers.

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 Röders job management software Röders offers highly reliable and easy-to-operate solutions from one source.



RCH

RCH

Workpiece weight max. 800 kg

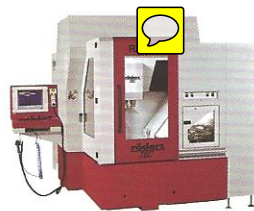
Pallet size 800 mm x 600 mm, others on request

Z travel for pallet places 300 mm, others on request

Pallet places placed in radiating lay-out, rail optional

Gripper change no

External tools no



RXP

	RXP 400	RXP 500	RXP 600	RXP 800
Machining Range X/Y/Z	410 / 300 / 210 mm	500 / 400 / 240 mm	600 / 480 / 300 mm	800 / 600 / 400 mm
Workpiece weight	max. 50 kg	max. 400 kg	max. 600 kg	max. 800 kg
Feed	0–40,000 mm/min	0–40,000 mm/min	0–60,000 mm/min	0–60,000 mm/min
Milling spindle (standard), others on request	50,000 rpm, HSK E25, max. Ø tool 6 mm	42,000 rpm, 14 kW, HSK E40, max. Ø tool 16 mm	36,000 rpm, 17 kW, HSK E50, max. Ø tool 20 mm	36,000 rpm, 17 kW, HSK E50, max. Ø tool 20 mm
Tool changer	18, optional 40 or more, integrated tool measuring laser	21, optional 42 or more, integrated tool measuring laser	28, optional 52 or more, integrated tool measuring laser	30, optional 52 or more, integrated tool measuring laser
Machine weight	~3.2 t	~5.5 t	~8.6 t	~12.0 t

THE RXP MACHINES

are the result of a long-lasting development process in Rödgers HSC machine construction. With multiple patents and optimized in every detail, these low-wear and energy-saving linear motor machines achieve the highest possible precision, dynamics and surface qualities possible in numerous application areas.

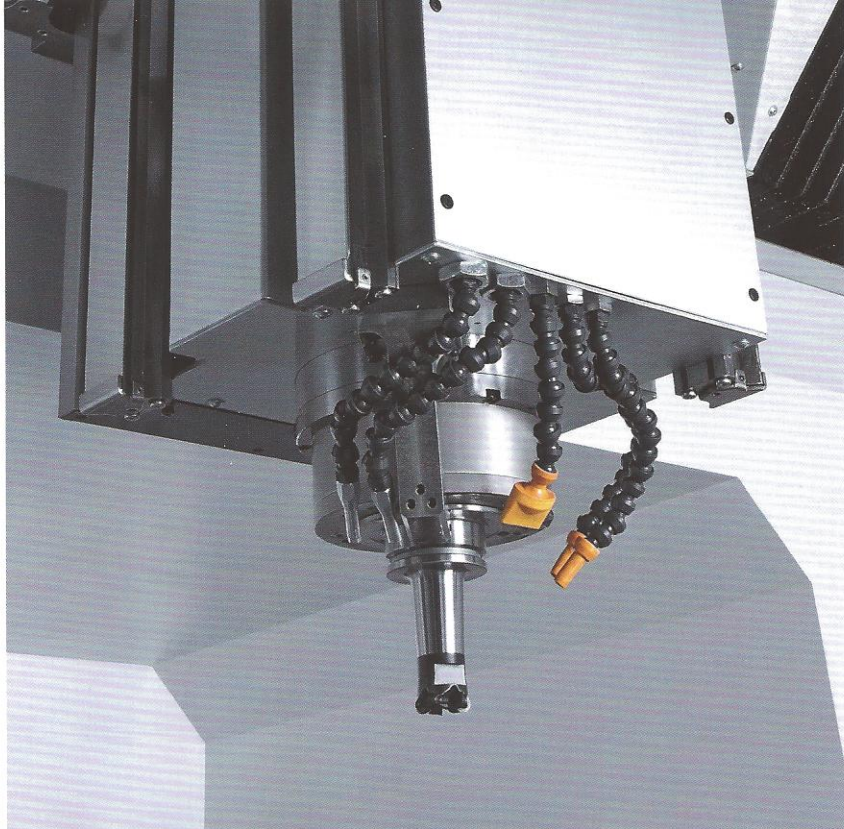


	RXP 200 DS	RXP 500 DS/DSC	RXP 600 DSH	RXP 800 DSH/DCH
Machining Range X/Y/Z	200 / 200 / 200 mm	425 / 400 / 240 mm	500 / 650 / 400 mm	600 / 785 / 500 mm
Swivelling range	+ 30/-115°	+/-115°	+/-115°	+/-115°
Rotation range	almost unlimited	almost unlimited	almost unlimited	almost unlimited
Workpiece weight	max. 15 kg	max. 60 kg/max. 30 kg	max. 200 kg	max. 400 kg/max. 300 kg
Feed	0–40,000 mm/min	0–40,000 mm/min	0–60,000 mm/min	0–60,000 mm/min
Milling spindle (standard), others on request	50,000 rpm, HSK E25, max. Ø tool 6 mm	42,000 rpm, 14 kW, HSK E40, max. Ø tool 16 mm	36,000 rpm, 17 kW, HSK E50, max. Ø tool 20 mm	36,000 rpm, 17 kW, HSK E50, max. Ø tool 20 mm
Tool changer	12, optional 40 or more, integrated tool measuring laser	19, optional 42 or more, integrated tool measuring laser	28, optional 52 or more, integrated tool measuring laser	30, optional 46 or more, integrated tool measuring laser
Machine weight	~3.2 t	~6.0 t	~10.5 t	~15.0 t



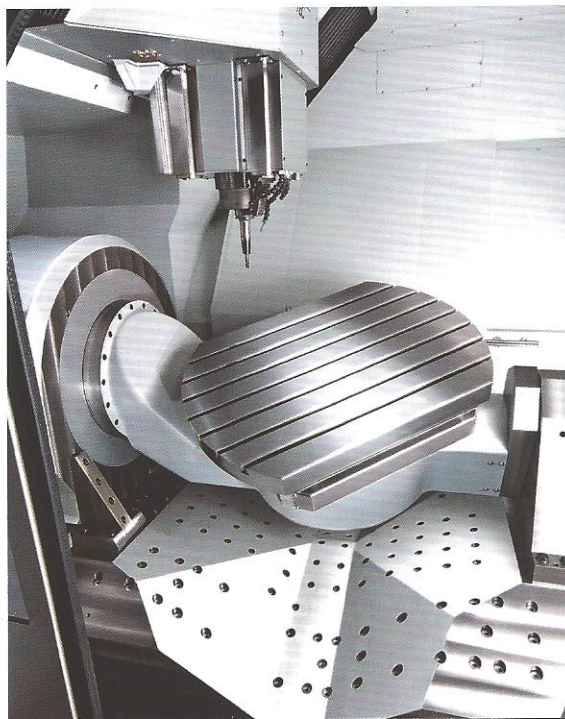
RXU

Machining Range X/Y/Z	RXU 1200 1200 / 1000 / 500 mm
Workpiece weight	max. 3.000 kg
Feed	0–60,000 mm/min
Milling spindle (standard), others on request	30,000 rpm, 40 kW, HSK F63, max. Ø tool 35 mm
Tool changer	24, optional 56 or more, integrated tool measuring laser
Machine weight	~27.0 t



THE RXU-MACHINES

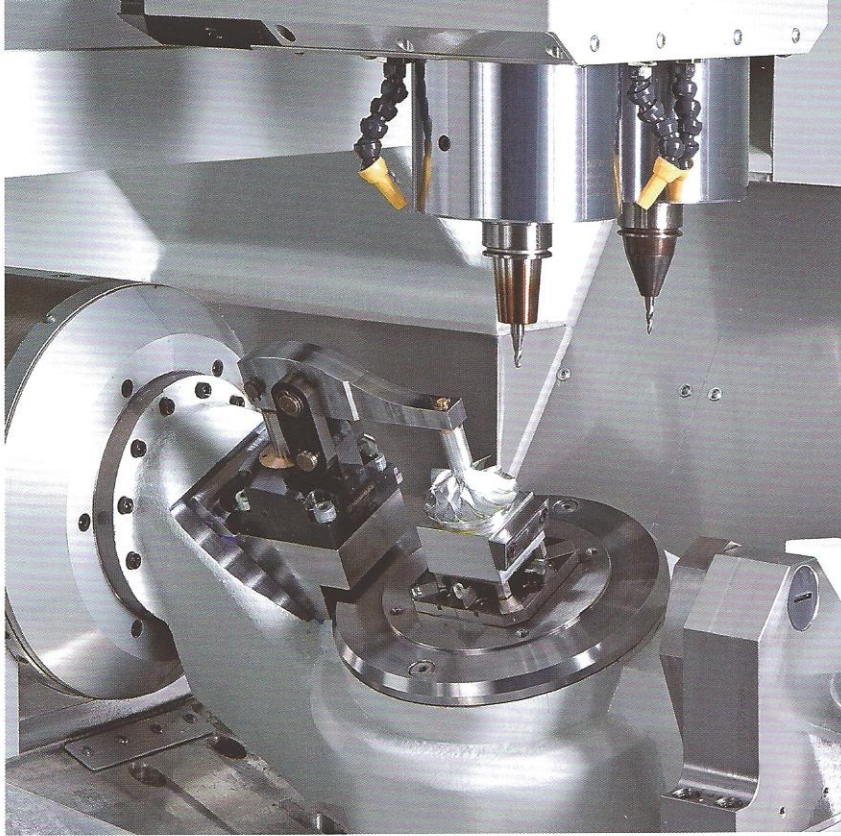
have triple stiffness compared to the RXP machines. A totally new design of the portal construction, with QUADROGUIDE concept, optimizes the transmission of the forces from the 4 corners of the Z axis via the Y carrier into the massive bridge. High roughing capacities and long lasting tool lives are the results. Powerful linear motors in all axes achieve highest dynamics.



RXU 1200 DSH

Machining Range X/Y/Z	1000 / 1050 / 600 mm
Swivelling range	+/-115°
Rotation range	almost unlimited
Workpiece weight	max. 2.000 kg
Feed	0–60,000 mm/min
Milling spindle (standard), others on request	30,000 rpm, HSK F63, max. Ø tool 35 mm
Tool changer	30, optional 68 or more, integrated tool measuring laser
Machine weight	~33.0 t





THE RXS MACHINES

have consequently been developed with focus on very high dynamics for applications, where minimizing of the machining times are first priority. Based on the RXP series the moving axes are constructed in stiff light-weight aluminum construction. Additionally significantly larger motors in the linear and rotary axes have been integrated. This results in dynamics with up to 3 g acceleration.



RXS

Machining Range X/Y/Z

Swivelling range

Rotation range

Workpiece weight

Feed

Milling spindle (standard), others on request

Tool changer

Machine weight

RXS 500 DSI

450 / 370 / 155 mm

+/- 115°

almost unlimited

max. 10 kg

0–40,000 mm/min

42,000 rpm, 14 kw, HSK E40,
max. Ø tool 16 mm

26, optional 54 or more,
integrated tool measuring laser

~6.0 t

RXS 500 DSI2

450 / 370 / 155 mm

+/- 115°

almost unlimited

max. 10 kg

0–40,000 mm/min

2 x 42,000 rpm, 14 kw, HSK E40,
max. Ø tool 16 mm,

optionally for right spindle

~6.0 t

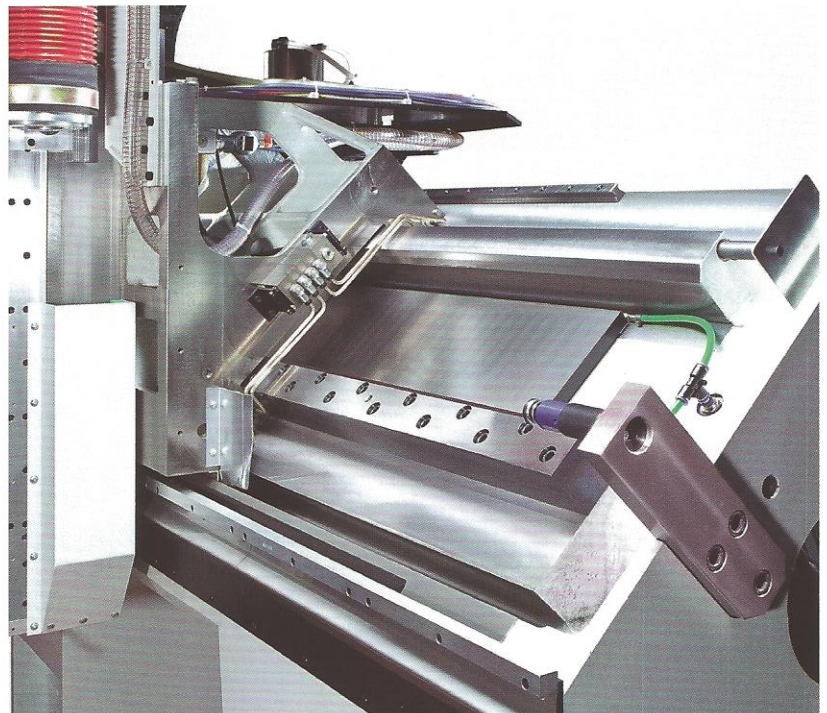


RHP

	RHP 500	RHP 800
Machining Range X/Y/Z	500 / 450 / 300 mm	800 / 750 / 500 mm
Workpiece weight	max. 400 kg	max. 800 kg
Feed	0–60,000 mm/min	0–60,000 mm/min
Milling spindle (standard), others on request	42,000 rpm, 14 kW, HSK E40, max. Ø tool 16 mm,	36,000 rpm, 17 kW, HSK E50, max. Ø tool 20 mm,
Tool changer	42 or more, integrated tool measuring laser	30, optional 54 or more, integrated tool measuring laser
Machine weight	~10.0 t	~16.0 t

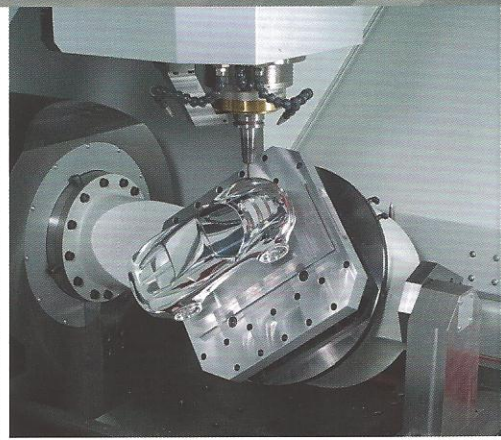
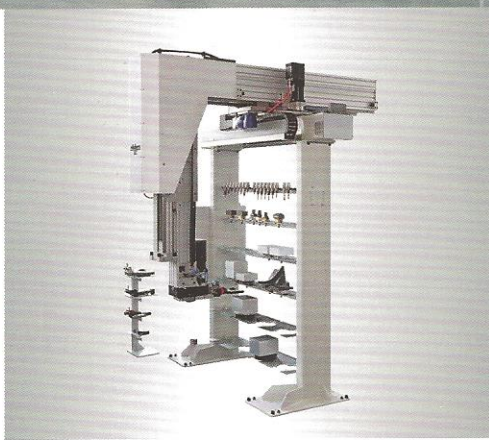
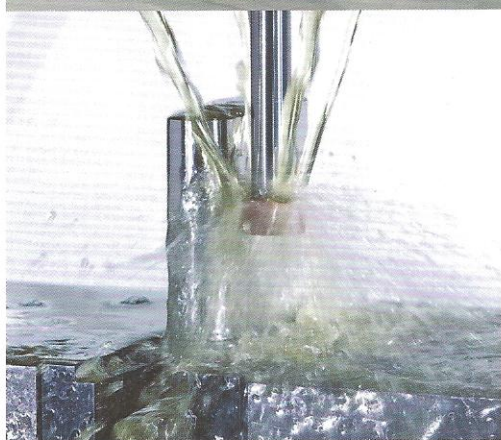
THE RHP MACHINES

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.



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

Subject to technical changes - 1111



Röders GmbH
Scheibenstr. 6 / 29614 Soltau / Germany
Tel. +49 5191-603-43, Fax +49 5191-603-38
E-Mail hsc@roeders.de / www.roeders.de

HIGH TECH IS OUR BUSINESS.

röders
TEC