



MACHINE TOOL MANUFACTURER

e

PRODUCT RANGE





COMPACT CONSTRUCTION WITH THE UNIQUE «DDT» DRIVE CONCEPT

Due to the patented spindle drive concept, the machine is able to achieve high spindle rotation combined with a high torque. Easy access and visibility as well as optimised ergonomics make it a real pleasure to perform multi-sided machining.

Thermal stability and vibration protection are ensured by the solid basic concept of polymer concrete. The ratio of set-up surface to machining space bears testimony to the compact build of the machine.

Speaking about „space saver“, we immediately know what machine our customers refer to.



Cutting area

X axis Y axis Z axis	mm	1000 1100 810
A axis		-1° bis 90°
C axis		360°
Rotary table	mm	∅ 1000 x 800
Max. rotary diameter	mm	∅ 1350 (∅ 1050 with Pallet changing system)

Main drive

Motorspindle	min ⁻¹	18000 / max. 135 Nm
DDT-spindle	min ⁻¹	16000 / max. 291 Nm
Spindle taper		HSK 63-A / HSK 100-A / ISO40

Tool changer

Tool changer, places		73 / 173 / 273
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Feed motor

Rapid feed X / Y / Z axis	m/min	60
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Pallet changing system

Number of pallets		2 / 5 up to linear storage unit
Pallet size and max. transfer weight		∅ 1000 x 800 / 800 (1600) kg



MILLING AND TURNING – ONE MACHINE – MANY ADVANTAGES

Due to the direct-drive round table and spindle clamp it is possible to perform combined milling and turning operations of up to a diameter of 2200 mm and 250 min⁻¹.

The special alignment of the milling head makes it possible to perform milling operations of up to 15° below horizontal level. At the same time, its structure made of HYDROPOL® ensures the necessary stability and stiffness.

The true greatness of the RX18 is not only reflected in its dimensions.

Cutting area

X axis Y axis Z axis	mm	2200 (1800 with trigonal milling head) 2200 1610
A axis		0° bis 90° (-15° bis +105° with trigonal milling head)
C axis		360°
Rotary table	mm	∅ 1800
Max. rotary diameter	mm	∅ 2200 (∅ 2600)
Max. table load	kg	5000 (8000 at adjusted speed)

Main drive

Spindle versions	min ⁻¹	8000 / 15000 / 20000
Spindle taper		HSK 100-A

Tool changer

Tool changer, places		104 / 200 / 304 / 400
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Feed motor

Rapid feed X / Y / Z axis	m/min	40
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Pallet changing system

Number of pallets		2 / 3 / 4 up to linear storage unit
Pallet size and max. transfer weight		∅ 1800 x 1400 / 4000 kg

THE MACHINE FOR HIGH DEMANDS IN REGARD TO PERFORMANCE AND STABILITY

Equipped with box guideways in the Y and Z axes for a better response to machining forces, the machine offers high precision and smooth running.

Owing to its modular structure, customer-specific solutions are available in three sizes. The machine offers nearly endless machining options due to its five axes, A power package that is second to none! Since many years it is the top-selling product in our range.

Our customers can tell you why!



Cutting area

X axis Y axis Z axis	mm	2000 / 3000 / 4000 1200 1500
B axis		+/- 180°
C axis		360°
Rotary table versions	mm	∅ 1000 bis ∅ 1700
Max. rotary diameter	mm	∅ 1800 / ∅ 2100
Max. table load	kg	4000 (6000)* / 6000 (9000)* / 7500 (11000)*

Main drive

Spindle versions	min ⁻¹	5000 / 6000 / 7000
Spindle taper		HSK 100-A / ISO50

Tool changer

Tool changer, places		64 to 321
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Feed motor

Rapid feed X / Y / Z axis	m/min	BFR22 = 20 / 20 / 20 BFR23 = 30 / 20 / 20 BFR24 = 30 / 20 / 20
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Pallet changing system

Number of pallets		2 / 3 / 4 up to linear storage unit
Pallet size and max. transfer weight		∅ 1400 x 1200 / ∅ 1700 x 1200 / 4000 kg

* at adjusted speed