



RDX Series

Vertical milling centre, 3 axes

Performance
Technology
Power
Accuracy





RDX Series

Dynamic, Accurate, Compact. Milling centre 3 axes, high performances.

The RDX 30 milling centre has been specially designed for the production of parts with high requirements for precision and quality, such as general and precision engineering. Its compact and rigid design allows to achieve excellent surface finishes.

It is the perfect answer to the economic and profitability constraints of manufacturing companies. This product combines dynamism and machining precision and is perfectly suited for the production of single parts or small and medium series.

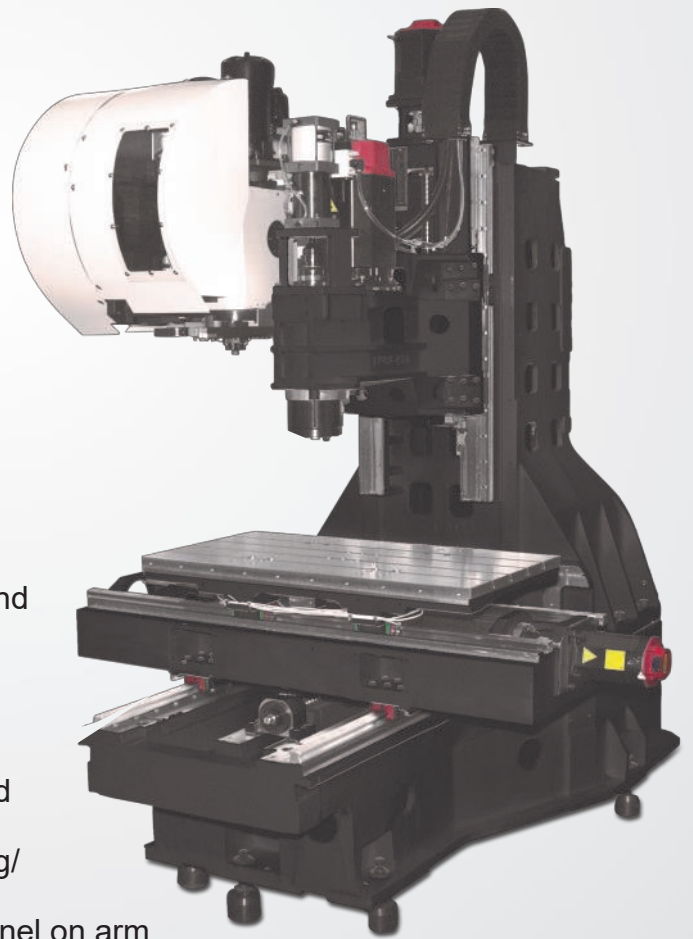
- Machining of hard material within very short time
- High chips removal capacity
- Very high precision in contouring

Compact and accurate structure

- C-frame structure, with side-reinforced column, made of high quality cast iron and optimised materials to achieve excellent dynamic behaviour and to damp the cutting and acceleration forces
- Fixed bed structure with a crossed moves table and sliding saddle supporting the spindle for high dynamics and machining precision
- High dynamics for rapid direction changes and acceleration
- Compact, space-saving machine
- 3-point levelling machine with multiple support points for equal load distribution and high geometric stability

Environment - Ergonomics

- Full machine guarding for complete protection of the machine, the operator and the environment
- Good accessibility to the workpiece loading/unloading area
- Pivoting and swivelling operator control panel on arm for a perfect visibility during machining
- Chips removal integrated in the bed and at the rear of the machine





Linear axes

- Recirculating ball bearing guide rails
- Direct drive at the end of the ball screw
- Calibrated and preloaded ball screws and bearings to eliminate backlash and increase axis rigidity
- Slides and ball screws protected by telescopic guards
- Automatic lubrication of ball screws and sliding guides

Working area

- Workpiece volume optimised in relation to travels
- Machining of workpieces up to 900 kg
- Workpiece cooling by means of nozzles mounted around the spindle

Numerical controller

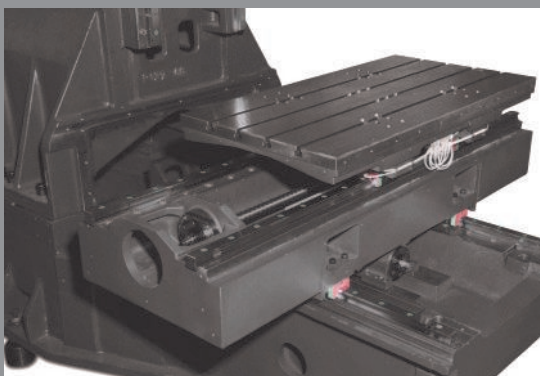
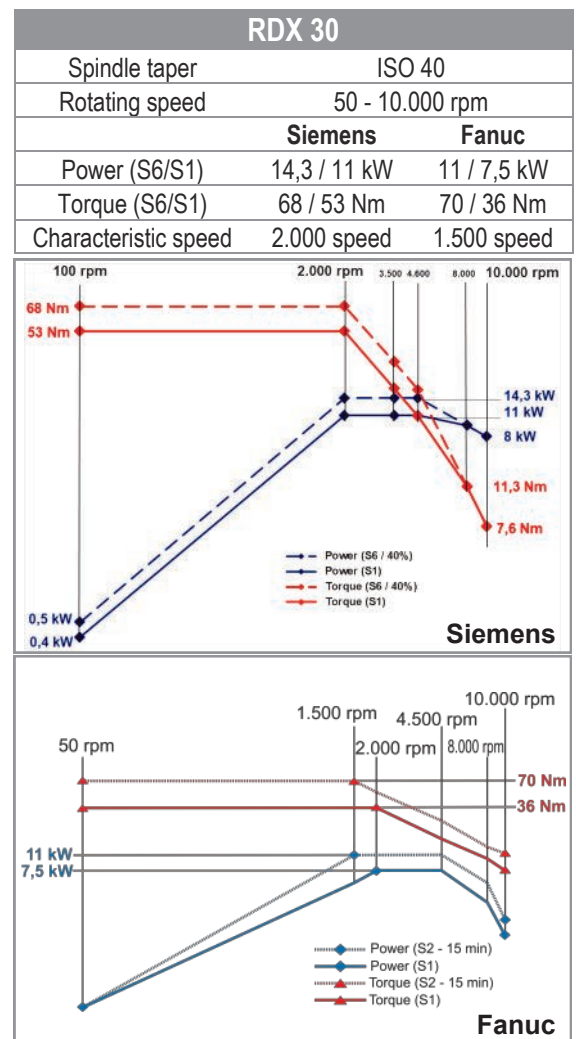
- Up to 5 axis control
- Ergonomic design, colour screen and full alphanumeric keypad
- Integrated and easy accessible connection and communication interfaces
- Very high capacity of memory and calculation
- Interactive programming
- Graphic simulation before machining for optimal safety

Tools changer

- The automatic tool load/unload is made in vertical position
- Double arm for exchange between changer and spindle

Spindle

- Angular contact ball bearing guidance, lifetime lubricated
- Excellent absorption of cutting stresses
- Allows all roughing operations due to its high torque, and finishing operations due to its speed



Table



Reinforced ribbed cast iron



Tools changer

Technical characteristics

Linear axes X / Y / Z		RDX 30
Travel X	mm	1.020
Travel Y	mm	600
Travel Z	mm	610
Rapid feedrates	m/min	30

Table		
Table size	mm	1.200 x 550
Max. admissible load on table	kg	900
T-slots		5
Size of slots	mm	18
Distance between slots	mm	100
Distance spindle nose / top table	mm	125 / 725

Spindle		Siemens	Fanuc
Rotating speed	rpm	10.000	
Spindle taper		ISO 40	
Power (S6 / S1)	kW	14,3 / 11	11 / 7,5
Torque (S6 / S1)	Nm	68 / 53	70 / 36
Characteristic speed	rpm	2.000	1.500

Accuracy (VDI DGQ 3441)		
Linear axes (X/Y/Z)		
- Positioning (P)	mm	0,015
- Repeatability (Ps medium)	mm	0,007

Tools changer		
Qty of housings		24
Tool length	mm	250
Ø tool (contiguous / not contiguous)	mm	80 / 125
Weight of tool	kg	7

Overall measurements (Door opened + conveyor)		RDX 30
Width	mm	2.800
Depth	mm	2.600
Height	mm	2.900
Weight of the machine	kg	6.500

Equipments as option

Medium pressure coolant 20 bar - Air blast - Part probe - Tool probe - Dividing plate 4th axis - Chips conveyor



FRANCE

Huron Graffenstaden SAS
1 rue de l'Artisanat
67114 Eschau
☎ +33 (0)3 88 67 52 52
☎ +33 (0)3 88 67 69 00
✉ commercial@huron.fr

GERMANY

Huron Fräsmaschinen GmbH
Siemensstrasse 56
70839 Gerlingen
☎ +49 (0)7156 92836 12
☎ +49 (0)7156 92836 50
✉ verkauf@huron.de

INDIA

Jyoti CNC Automation Ltd
G-506 & 2839, Lodhika, G.I.D.C.,
Vill. Metoda,
Dist: Rajkot - 360 021
☎ +91-2827 287081/082
✉ info@jyoti.co.in

CANADA

Huron Canada
105-85 rue St-Charles Ouest
Longueuil, Québec, J4H 1C5
☎ +1 514 448 4873
☎ +1 514 448 4875
✉ infocanada@huron.fr

TURKEY

Huron Graffenstaden Türkiye İrtibat Bürosu
Merdivenköy Mah. Dikyo Sok. No:2/A
Kat:1 No:101/102
34387 Kadıköy / İstanbul
☎ +90 (0)216 463 33 67
✉ info-turquie@huron.fr