

RAX Series

Vertical Machining Centers with Pallet Changer



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TECHNICAL SPECIFICATION

Capacity		RAX 10	RAX 20
X-Axis Travel	mm	600	820
Y-Axis Travel	mm	450	510
Z-Axis Travel	mm	510	510
Dist. From Spindle Face to Table	mm	150-660	150-660
Dist. From Floor to Table	mm	1150	1150
Linear Pallet Changer			
Table Size	mm	600 x 430	800 x 485
Maximum Load on Table	kg	300	400
Pallet Changing Time	Sec	20	20
T-Slot Dimensions	mm	4 x 14 x 100	4 x 14 x 100
Feed			
Rapid Traverse (X, Y & Z Axis)	m/min.	40	40
Cutting Feed	m/min.	10	10
Main Spindle			
Spindle Nose		BT 40	BT 40
Spindle Speed	rpm	8000	8000
Spindle Power -Fanuc	kW	11 / 7.5	11 / 7.5
Spindle Power -Siemens	kW	15.8 / 10.5	15.8 / 10.5
Front Bearing Bore	mm	70	70
Automatic Tool Changer			
No. of Tools		20	20
Max. Tool Diameter (All/Adj. Empty)	mm	80 / 125	80 / 125
Tool Length Max.	mm	250	250
Tool Weight Max.	kg	7	7
Accuracy (as per VDI DGQ 3441)			
Positioning Uncertainty (P)	mm	0.01	0.01
Repeatability (Ps medium)	mm	0.005	0.005
Other			
Weight (Approx.)#	kg	6350	6600
Dimensions (L x W x H)#	mm	3600 x 3525 x 2750	3600 x 3525 x 2750

Refer Machine Detailed Layout for overall machine dimensions & space requirements. Note: Specified information are subject to change arising out of continuous product improvement without notice. The description standard accessories/feature conforms to it list;

STANDARD FEATURES

- The CNC System offered FANUC Oi MF or SIEMENS 828D Basic M.
- 8000 rpm, BT-40 Spindle
- Linear Type Automatic Pallet Changer
- AC Servo Spindle & Axis Drive
- L.M. Guideways
- Auto & Manual Coolant System
- Centralized & Programmable Lubrication
- Laser Calibrated Axis for High Precise Positioning Accuracy
- Electricals with Quality Devices & Panel A.C.

PRODUCTIVITY IMPROVING OPTIONS

- Chip Conveyor
- 24 & 40 Tool ATC
- 4th Axis Rotary Table & Production System
- Hyd. Fixture Interfacing on Both Pallet
- Coolant Gun & Air Gun
- Coolant Through Spindle
- Tool Probe & Job Probe
- Linear Glass Scale
- Auto Door
- Oil Skimmer
- Machine Tower Light
- Spin Window
- Shopmill (Siemens)
- Manual Guide - i (Fanuc)
- Easy SMS System (Siemens)
- Fully Toolled up Solutions to Meet the Customer Needs