

Heracles Prowess For Ascendancy



High Speed CNC Die & Mould Machining Centre

Heracles 24 FM



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SPECIFICATIONS

TABLE

Table Size	mmxmm	800x450
Loading Weight, Max.	kg	600
T-Slot (W x Nos. x P)	mm	18 x 4 x 100

TRAVEL

X-Axis	mm	650
Y-Axis	mm	450
Z-Axis	mm	510
Distance from Spindle Nose to Table Top	mm	150-660
Distance from Spindle Center to Column	mm	500

AXES

Guideways (X, Y, Z Axes)		Linear Motion Roller Guides
Rapid traverse (X, Y, Z Axes)	m/min	48 x 48 x 48
Cutting Feed	mm/min	24000

SPINDLE

Spindle Speed	rpm	15000/20000
Spindle Power (Short/Continuous Duty)	kw	7.5/5.5
Spindle Bore Taper		ISO40

AUTOMATIC TOOL CHANGER

Type of ATC		Cam-Driven Twin Arm-Disc
No. of Tools (Std./Opt.)	nos.	24/40/60
Tool Shank		Bt40
Tool Diameter, Max.		
-with Adjacent Pockets Empty	mm	150
-with Adjacent Pockets Full	mm	75
Tool Length, Max.	mm	250
Tool Weight, Max. (Std.)	kg	8
(Opt.)	kg	-
Tool Change Time (Tool-to-Tool)	sec	2.5/1
Tool Selection Method		Random
Pull Stud Type		MAS 407 (BT)

ACCURACIES

Positioning Accuracy	mm	+/-0.005	+/-0.010
Repeatability	mm	0.0025	0.005

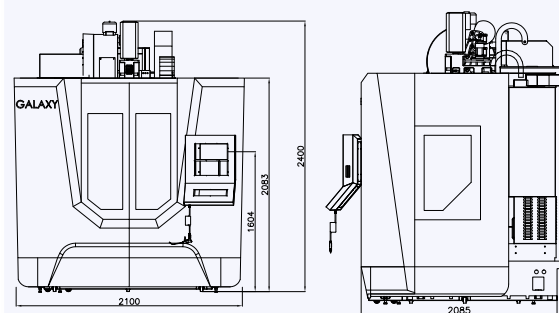
MACHINE SIZE & POWER (Std.)

Length	mm	2100
Width	mm	2650
Height	mm	2900
Weight	kg	5800
Power Consumption	kva	38
Pneumatic Supply	bar	6

CONTROL

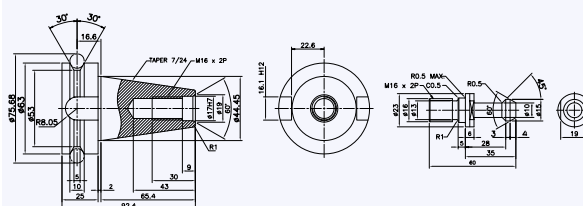
CNC System	Fanuc-0i-MF
Axis Servo Drive & Motor	Fanuc-Bis
Spindle Servo Drive & Motor	Fanuc-oil

MACHINE DIMENSIONS



TOOLING SYSTEM

ISO-40 (BT-40) TOOLING SYSTEM



HIGHLIGHTS OF Heracles 24 FM

STANDARD FEATURES

- Precision Linear Motion Guides for X,Y and Z Axes
- Rigid Tapping
- Spindle Air Blast
- Pre-Tensioned Ball Screws for all axes
- Panel Cooler for Electrical Cabinet
- Fully Enclosed Splash Guards
- Pneumatic System
- Spindle Oil Cooler

OPTIONAL FEATURES

- Coolant Through Spindle
- Auto Tool Length Measurement
- Work Piece Measurement
- Linear Scales
- High Pressure Coolant Pump
- 4th and 5th Axes Rotary Table Unit

OTHER PRODUCTS

- **CNC Turn-Mills**
- **CNC Twin Spindle Lathes**
- **CNC Sliding Head Swiss Automats**
- **CNC Multi-Tasking Turn-Mills**
- **CNC Integrated Turn-Mill cum Machining Centres**
- **CNC Vertical Machining Centres**
- **High Speed CNC Drill-Tap Centres**
- **Robotic Automation**
- **Agile Loaders**
- **Unmanned Factory Production Lines**

As upgradation is a continuous process, the specifications are subject to change without notice and all accessories shown are not part of standard feature



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