fives

HIGH PRECISION MACHINES

MATERIAL REMOVAL

Cincinnati Maxim

Horizontal Machining Center

Cincinnati Maxim is back

- Large part capacity, up to 1000 mm diameter and 1200 kg load capacity
- 2 pallet, one to one swing type APC
- Rigid, single piece T-shaped base
- 120 tool station ATC
- High power 8k spindle with high torque during low speeds
- Rapid traverse of 48 m/min on X/Y/Z
- FAGOR scales for X/Y/Z/B
- FANUC 0iMF PLUS control

Outstanding precision and maximum productivity for a quality high precision solution

RIGID CONSTRUCTION

The base is specially designed with high/low linear ways, which effectively shortens force loading lines while greatly increasing machining stability. The housing-type double-wall column is ruggedly constructed to assure high accuracy during heavy duty machining.

T-SHAPED BASE

The T-shaped base in an integrated one piece, box type construction, combined with rib reinforcement to maximize rigidity and machine stability.

X/Y/Z LINEAR WAYS

Three axes are fully equipped with linear roller guide ways, combined with double rows support at both sides, for increased loading capacity, high rigidity and high accuracy.

B AXIS TABLE

The B axis movement and Z axis cross movement are equipped with oversized tapered cones for extremely accurate pallet positioning, ensuring outstanding machining accuracy.

RETURN FLOW SLOPED CHANNEL

When tool changes are accomplished, the coolant and chips will flow back to the machine base via the specially designed sloped channels.

CINCINNATI MAXIM FEATURES

- High pressure 101 psi (7 bar) coolant
- CAT 50 dual contact spindle taper
- Belt driven GTP gearbox
- Automatic lubrication system
- Synchronous tapping cycles
- Full enclosed splashed guarding
- Chain type chip conveyor
- Oil Skimmer

CAPABILITIES | CINCINNATI MAXIM 630

X-Axis Travel	mm	1050
Y-Axis Travel	mm	850
Z-Axis Travel	mm	950
Spindle Center to Table Surface	mm	100-950
Spindle Nose to Table Center	mm	100-1050
Table Surface to Floor	mm	1300
Table Dimension	mm	630x630
Max Loading Weight	kg	1200
Min Indexing Angle	degree	0.001°
Spindle Speed	rpm	8000
Spindle Taper		#50
Drive Method		Belt + Gear Box
Spindle Motor	kW	22/35
X Axis Rapid Traverse	m/min	48
Y Axis Rapid Traverse	m/min	48
Z Axis Rapid Traverse	m/min	48
Cutting Feed Rate	m/min	20
Tool Change Time	sec	2.5
No. of Tools		120
Pull Stud (Degree)		P50T-1
Max. Tool Weight	kg	25
Max. Tool Length	mm	500
Max. Tool Diameter	mm	Ø125
Max. Tool Diameter (No adjacent tools)	mm	Ø250
Number of Pallets		2
Method of Pallet Change		Rotary
Floor Space WxD	mm	4130x6624
Max. Machine Height	mm	3661

**All numbers based on Cincinnati Maxim 630. Technical data subject to change.*

CONTACT
Fives Machining Systems, Inc
fivesmsi-sales@fivesgroup.com
T +1 (859) 534 4600

Fives Machining Systems, Inc
2200 Litton Lane | Hebron , KY 41048
www.fivesgroup.com

fives
Industry can do it