

DOUBLE COLUMN TYPE MACHINING CENTER

LM-3616

Specifications:

3-Axes Travel	Model	Unit	LM-3116
	X-axis Travel	mm	3100
	Y-axis travel	mm	1600
	Z-axis travel	mm	800(opt.1000)
	Distance from Spindle Nose to Table surface	mm	200-1000(opt.(200~1000)
	Distance between columns	mm	1700
	Distance from Spindle center to Y axis Guideway	mm	450
Table	Table Size	mm	3000*1500
	Max table Capacity	kg	10000
	T-Slot Size(Width * No.* Pitch)	mm	22*9*150
	Tale Height (From the Ground)	mm	895
Spindle	Spindle Nose	-	BT-50
	Spindle Type	-	Gear
	Spindle Speed	rpm	6000
	Spindle Hole	mm	190
	Front Spindle Bearing Diameter	mm	100
	Spindle Motor	kW	22
	Spindle Clamping Force	kgf	1800
	Spindle Max. Torque(Cont./30 min.)	Nm	560/662
Rapid Tavel	X/Y/Z Rapid Feedrate	m/min	24/24/15
	Cutting Feedrate	mm/min	1~10000
X/Y/Z Feed Motor	X-Axis Feed Motor Power	kW	8.17
	Y -Axis Feed Motor Power	kW	6.28
	Z-Axis Feed Motor power	kW	4.9
Tool Magazine	Tool Change Type	-	Umbrella
	Tool Capacity	set	24
	Max.Tool Diameter	mm	Ø150/Ø210(without adjacent tools)
	Max.Tool Length	mm	350
	Tool Weight	kg	15
	Tool Change Time(T-T)	sec	6
	Tool Change Time(C-C)	sec	13
Others	Machine Weight	kg	25000
	Machine Dimension(L*W*H)	mm	9200*5100*4570

Standard Equipment

- SIEMENS 828D
- BT-50/600 rpm Gear Spindle
- Umbrella type magazine 24 tools
- Spindle air blast
- 3 axes roller type linear guideway
- Double counterweight cylinder
- Automatic lubrication system
- Cutting coolant system
- Open type of splash guard
- Screw-type chip conveyor
- Link type chip conveyor
- Portable chip bucket
- Coolant tank
- Flushing device
- Separate hand wheel(MPG)
- Heat exchanger
- Rigid tapping
- Working light
- Tri-color indicator lamp
- RS-232 interface
- Tool box
- Leveling bolts & blocks
- Mechanical operation manual

Optional Equipment

- Mitsubishi M80
- Fanuc 0iMD
- BT-50/10000rpm DDS spindle
- Chain type magazine 32 tools
- Full enclosure splash guard
- Coolant through spindle
- Electrical cabinet air conditioner
- Column add 200mm
- Linear scale on X/Y/Z axes
- Oil Skimmer
- Automatic workpiece measurement system
- Automatic tool length measurement system
- Fourth axis interface
- Manual 90 degree milling head
- Manual Extended head