



L.K Machinery Corp.



NEW

MV-1050 plus VERTICAL MACHINING CENTER BT#50 SPINDLE

- Big power spindle to suit the most demanding cutting with great drilling and tapping capacities.
- Best in class, Taiwan-made spindle coupled with oil temperature regulator to ensure high precision and high durability performance.
- Circular coolant nozzles to flush chips away.



力勁機械股份有限公司(中科廠)
L.K. Machinery Corp. (TAIWAN)

40763 台中市西屯區科園路30號
No.30, Keyuan Rd., Xitun Dist. Taichung City 40763, Taiwan
TEL: +886-4-2461-9797 FAX: +886-4-2461-1555
E-mail: lktw_sales@lkmachinery.com.tw
www.lkmachinery.com.tw

CE ISO 9001



MV-1050 plus Product Overview

Items	Unit	MV-1050 plus	Items	Unit	MV-1050 plus
X Axis Travel	mm (inch)	1050 (41.34)	Max Cutting	m/min (ipm)	1-10 (40-393)
Y Axis Travel	mm (inch)	600 (23.62)	Tool Changer		
Z Axis Travel (Belt Drive)	mm (inch)	560 (22.05)	Type	--	Arm-Type
Spindle Nose to Table (Belt Drive)	mm (inch)	150 - 710 (5.91-27.95)	Capacity (Standard)	Pocket	24
Spindle Center to Z Axis Guideway	mm (inch)	660 (25.98)	Max Tool Diameter (Full/Adjacent Empty)	mm (inch)	ψ105/ψ220 (4.134 / 8.66)
Table			Max Tool Length	mm (inch)	350 (13.78)
Table Dimensions	mm (inch)	1200 x 600 (47.24 x 23.62)	Max Tool Weight	kg (lbs)	15 (33.07)
Max Weight on Table	kg (lbs)	1000 (2204)	Tool-to-Tool	sec	2.45
T-Slot Dimensions (Width x Number x Center Distance)	mm (inch)	18 x 6 x 100 (0.71 x 0.4 x 3.94)	General		
Spindle			Coolant Capacity	Liter	300
Drive System	-	Belt Drive	Lubrication Oil Capacity	Liter	4
Max Speed	rpm	6000	Power Required	kVA	30
Taper	#	BT#50	Air Required	Kgf/cm ² (psi)	6 (100)
Spindle Motor			Machine Weight (Net)	kg (lbs)	6300 (13889)
Max Rating (Con./30 Min.)	Kw(HP)	15 / 18.5 (20 / 24.8)	Machine Dimensions (L/W/H)	mm (inch)	3000x2280x2450 (118.1 x 89.8 x 96.5)
Max Torque	Nm	95.5	Floor Plan (L/W/H)	mm (inch)	5000x3900x3200 (196.9 x 153.5 x 126)
Max Torque of Feeding Motors	Nm kW	22.5 / 22.5 / 37.2 3.0 / 3.0 / 4.5B			
Feedrates					
Rapids (X/Y/Z)	m/min (ipm)	36 / 36 / 36 (1417 / 1417 / 1417)			

► Standard Features

- Mitsubishi Control M70A
- BT#50/6000rpm/Belt Drive Spindle
- Arm Type Tool Changer, 24 Tools
- Spindle Oil Cooler
- Air Nozzle
- Axes Auto Lubrication
- Full Enclosed Splash Guard
- Coolant System
- Circular Coolant Nozzles
- Chip Removal System (Hinged Type) and Bucket Cart
- Standard Coolant Tank
- Manual Pulse Generator
- Coolant Gun and Air Gun
- Heat Exchanger on Electrical Cabinet
- Rigid Tapping
- M30 Automatic Power off
- Work Lights
- Signal Light
- Ethernet and RS-232 Interface
- Manual Tool Release
- Tools and Tool Box
- Leveling Screws and Pads
- Transformer
- User's Manual and Electrical Diagrams
- Rollers Linear Ways for 3 axes

► Options

- Siemens 828D Control
Fanuc Oi-MD Control
- Through-Spindle Coolant
- Through-Tool Holder Coolant
- Oil Mist Nozzle
- Linear Scales
- Oil Skimmer
- Side Flush System
- Door Interlock
- Automatic Tool Probing System
- Automatic Work Probing System
- Rotary Table (4th Axis)

Machine Dimensions (mm)

