

miUmac

**VERTICAL
MACHINING**

CENTER

VERTICAL MACHINING CENTER

miUmac

DM852

DM1052



TECHNICAL SPECIFICATIONS

ITEMS	DM852	DM1052
X travel	800mm	1000mm
Y travel		520mm
Z travel		520mm
Distance between spindle center and column guide ways		550mm
Distance between spindle end and table		255mm
Table size		150-670mm
T-slot (widthxnumber-space)	950x510mm	1130x510mm
Max. table load		18x5-100mm
Taper bore of spindle		800kg
Spindle speed		BT40
Main motor power		10000rpm (FANUC MAIN MOTOR)
Motor power/torque of X/Y/Z		11/15KW
Guide ways number of X/Y/Z		3/3/3KW (20 Nm)
Rapid speed of X/Y		3/3/2
Rapid speed of Z		30m/min
Guide ways of X/Y/Z		30m/min
Guide ways wide of X/Y/Z		P3-grade precision liner ways
The Max. distance between two outer liner guide ways for X/Y/Z axis.		35mm
Diameter and screw pitch of X/Y/Z lead screws		461/923/497mm
Bearing number of X/Y/Z lead screw		Φ40x12
Connect way of X/Y/Z motor		7/7/7
Positional accuracy of X/Y/Z		Direct connect
Repeat positional accuracy of X/Y/Z		≤0.010mm
Tool capacity of ATC		≤0.004mm
Tool change time (tool to tool)		24T (arm type)
Pneumatic boosting cylinder		1.8 S
Power of coolant pump		3.5 T
Capacity of lubrication pump		550W
Capacity of coolant tank		2L
Overall dimensions (LxWxH) with auto chip conveyor	3750x2300x2700mm	180L
Netweight	5150kg	4300x2300x2700mm
		5480kg

The descriptions, illustrations and specifications given herein are subject to alteration without notice and thus without any obligation.

Agent

TRUE TECH MACHINERY CO.,LTD.

288 Bangkhuntien-Chaitalay Rd. Samaedam Bangkhuntien Bangkok 10150 Thailand. Fax : 02-892-0044 Tel : 02-892-1588

E-mail: marketing@truetechmachinery.co.th

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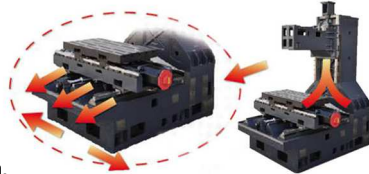
ATC

- a. Taiwan's well-known ATC with 24 tools capacity.
- b. Tool change time up to 1.8s (tool to tool).



BASE

- a. Aseismatic capability, high strength and good quality HT300 cast iron.
- b. Wide base and Y-type column structure, the Max. distance between two outer linear guides for Y-axis is 888mm.
- c. Leak-proof flume equipped around base.



BALL SCREWS

- a. Taiwan C3 grade precision twin nut screws used for X/Y/Z axes.
- b. Pre-extended structure to reduce the heat-deformation and improve the precision and rigidity.
- c. 4 pcs of Japan NSK angular contact precision ball bearing equipped on ball screws driving end, and 3 pcs of Japan NSK angular contact precision ball bearing equipped on the other end.



LINEAR GUIDE WAYS

- a. Taiwan P grade high-precision ball linear guide ways.
- b. Three sets of precision linear guide ways with five sliding with six sliding blocks for Z*axis.



4TH/5TH AXIS

- a. Fourth axis is optional (minimum division unit: 0.001°, Re-positioning accuracy:4")
- b. Fifth axis is optional (minimum division unit: 0.001°, Re-positioning accuracy:4")



SPINDLE

- a. Taiwan BT40 spindle driven by synchronous belt, the speed of spindle is 10000RPM.
- b. 12000RPM spindle, direct connection spindle, high pressure CTS, oil cooling are optional.



CONVEYOR

- a. Chain type or spiral type auto chip conveyor is optional.
- b. Oil water separator is optional.



CNC CONTROLLER

- The standard configuration is FANUC system, and SIMENS, FAGOR, MITSUBISHI, GSK are optional.



MEASUREMENT

- a. Grating ruler is optional for X/Y/Z
- b. Tools and workpiece measuring instruments are optional.



ELECTRICAL CABINET

- a. The main electrical components from SIMENS or SCHNEIDER.
- b. Full sealed electrical cabinet.
- c. Air conditioner to ensure all the electrical components and drives working at a reasonable temperature.
- d. Voltage stabilizer is optional.



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