

T55M Super

Turning Center

Turning, milling, boring, drilling, tapping combined machining simultaneously.



บริษัท สุธอง แมชชีนเนอรี จำกัด

SUTHONG MACHINERY CO., LTD.

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1. Servo synchronized water cooling built-in motor spindle.
2. Special full cycle contact lock structure.
3. C axis adopts Heidenhain magnetic grid encoder, full cycle brake and lock, to realize high precision interpolation and high reliable positioning.

4. Servo programmable tailstock, built-in rotate sleeve.
5. Full close high pressure proof protection cover, is able to be equipped with 70kg high pressure coolant.
6. Automation connection is reserved, and is convenient to extended to automation production line.
7. Adopts BMT55 turret connector

Standard configuration

SIEMENS828D CNC system
EIA/ISO code input (standard)
Tool path detection system
Graphic size input program
Operation door interlock
User macros (common variable 600 groups)

USB interface
Network interface
12 position turret
Full coolant system
Full guard system

Optional accessories

Automatic door
Water gun
Workpiece measurement
Chuck air blow
Air gun

Chip conveyor
Bar feeder
Programmable tailstock
High pressure coolant
Tool setter



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Chuck size	8"
Max. swing diameter (mm)	Φ550
Max. machining diameter (mm)	Φ300
Max. machining length (mm)	429
Spindle bore (mm)	Φ62
X axis travel (mm)	195
Z axis travel (mm)	535
Max. bar through diameter (mm)	Φ51
Spindle nose	A2-6
Spindle speed (r/min)	5000(built-in motor)
Spindle motor power (continuous/30min) (kW)	11/15
Spindle axial runout (mm)	0.003
Spindle radial runout (mm)	0.003
No. of tool stations	12
Tool change time (s)	0.2
Turret locking type	hydraulic
Turret driven type	servo
Boring tool size (mm)	Φ40
OD. tool size (mm)	□25
Rapid feed speed X/Z (m/min)	30/30
Positioning accuracy X/Z (mm)	0.008/0.008
Repeatability positioning accuracy X/Z (mm)	0.003/0.003

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Milling axis speed(r/min)	5000	
Milling axis power(kW)	3.77	
Milling axis capacity	Drilling: Φ16mm	
	End milling tool: Φ16mm	
	Face milling tool: M16×2	
Hydraulic station tank (L)	20	
Hydraulic pump power (kW)	1.5	
Nominal pressure (Mpa)	3.5-6	
Lubrication tank (L)	2	
Auto lubrication pump power (W)	25	
Coolant tank (L)	130	
Coolant pump power (W)	550	
Size (standard)	Length (mm)	2560
	Width (mm)	1720
	Height (mm)	1710
Weight (standard) (kg)	4000	
Voltage (3 phase) (V)	380±10%	
Frequency (Hz)	50	
Tailstock type	servo	
Tailstock quill diam (mm)	Φ70	
Tailstock travel + quill trave (mm) servo	565	
Tailstock cone taper	M.T.4(dead type)	