



Machinery

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WTS

Double Spindle
Double Turrets
E-Axis

Double Y-Axis, 32 Live Tools
Sub Spindle E-Axis Shifting Function
Fixed Tailstock

- An E-axis allows for the second spindle and tailstock to move up and down. This provides an independent working environment for machining.
- The WTS comes with two BMT55 16-Station power turrets that can also be equipped with different types of BMT55 systems. The upper and lower turrets can work independently with spindles 1 and 2.
- The special structural design of the WTS uses a rigid 90° angle for the turret carriage, providing excellent chip flushing and removal.
- A fixed tailstock for long workpieces keeps them parallel, and improves precision and stability during machining.

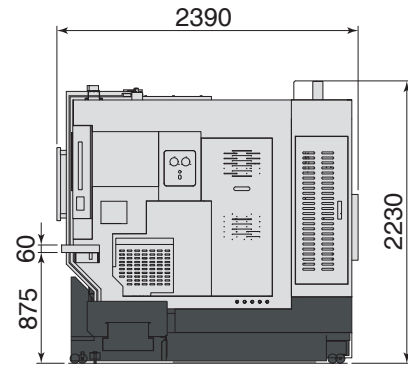
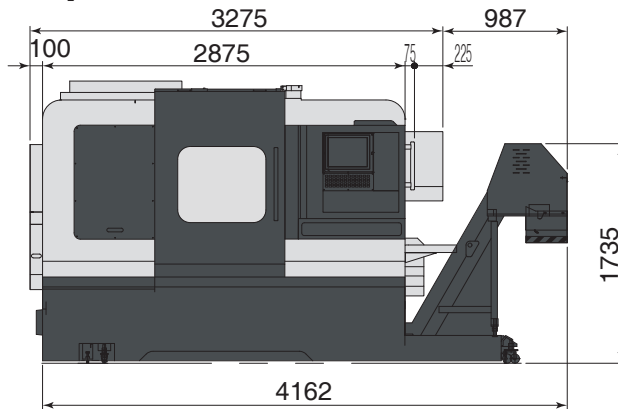


Machinery Advanced Machining Solutions

Competence and Capabilities

WTS

Machine Layout



Unit: mm

Specifications

Control Unit	Model	WTS-52Y2M		WTS-65Y2M	
	Controller	MITSUBISHI	FANUC	MITSUBISHI	FANUC
Capacity	Max. Turning Dia.	Ø320 mm			
	Standard Turning Dia.	Ø210 mm			
Axes Specification	Max. Turning Length	500 mm			
	X1 /X2-Axis Travel	215 /230 mm			
	Z1 /Z2-Axis Travel	500 /500 mm			
	Y1 /Y2-Axis Travel	± 50 mm / ± 50 mm			
	X/Z/Y-Axis Motor	2.2 kw	2.7 kw	2.2 kw	2.7 kw
	X/Z/Y-Axis Rapid Travel Speed	16 /6 /40 m/min			
	B-Axis Travel	500 mm		500 mm	
B-Axis Rapid Travel Speed	40 m/min				
E-Axis Travel	170 mm				
E-Axis Motor	2.2 kw	2.7 kw	2.2 kw	2.7 kw	
E-Axis Rapid Travel Speed	6 m/min				
Min. Input Unit	0.001 mm				
Spindle	Max. Bar Feeding Dia.	Ø51 mm		Ø65 mm	
	Spindle Motor	7.5/11 kw	13/15kw	7.5/11 kw	18/22 kw
	Max. Spindle Speed	6000 rpm		4000 rpm	
	Spindle Nose	A2-5		A2-6	
	C-Axis Index Positioning	0.001°			
Sub Spindle	Chuck Size	6"		8"	
	Max. Bar Feeding Dia.	Ø51 mm		Ø65 mm	
	Sub Spindle Motor	7.5/11 kw	13/15kw	7.5/11 kw	18/22 kw
	Max. Sub Spindle Speed	6000 rpm		4000 rpm	
	Sub Spindle Nose	A2-5		A2-6	
L, R, C	C-Axis Index Positioning	0.001°			
	Chuck Size	6"		8"	
	Min. Moving Unit	0.001 mm			
Live Tooling Turret	C-Axis Rapid Travel Rate	600 min ⁻¹			
	O.D. Turning Size	□ 20 mm			
	I.D. Turning Size	Ø 25 mm			
	Rotating Mode	Single Tool Transmission			
	Live Tooling Motor	3.7/5.5 kw	4.5 kw	3.7/5.5 kw	4.5 kw
Tail Stock	Live Tooling rpm	60~6000 min ⁻¹			
	Collet Size	ERØ 25			
	Tool Holder & Tool Size	BMT 55			
Hydraulic	Quill Travel	550 mm		-	-
	Quill Tapper	MT04		-	-
Coolant Pump	Hydraulic Motor	3 HP /2.2 kw x2			
	Spindle Coolant Pump	1.57 HP /1.17 kw /60 HZ			
	Turret Coolant Motor	1.57 HP /1.17 kw /60 HZ			
	Chip Flush Pump	1.57 HP /1.17 kw /60 HZ			
Tank Capacity	Sub-Spindle Internal Coolant Pump	1.57 HP /1.17 kw /60 HZ			
	Hydraulic Tank	65 L			
Machine	Coolant Tank	440 L			
	Voltage stabilizer / transformer	220 V /60 KVA			
	Machine Size (LxWxH) (includes chip conveyor)	4262 mm x 2390 mm x 2230 mm			
	Machine N.W. (includes chip conveyor)	10500kg			

* Design and specs subject to change without notice.



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