

I. SPECIFICATION

Refer to the check list for your order for detailed specifications and option specifications.

-1. Specification

		TM25YS (Y specification)	TT25S (without Y specification)
Basic specification	Swing over bed	ϕ 660 mm	
	Swing over upper carriage	ϕ 450 mm	
	Standard turning dia.	ϕ 250 mm	
	Center distance	ϕ 750 mm	
	Upper turret Max. turning dia. \times length	ϕ 350 \times 700 mm	ϕ 400 \times 700 mm
	Lower turret Max. turning dia. \times length	ϕ 250 \times 700 mm	
Main spindle	Spindle nose	ASA A2-8	
	Spindle hole through dia.	ϕ 77 mm	
	Max. bar capacity	ϕ 65 mm	
	Spindle speed	31.5 - 3150 min ⁻¹	
2nd spindle	Spindle nose	ASA A2-6	
	Spindle hole through dia.	ϕ 57 mm	
	Max. bar capacity	ϕ 45 mm	
	Spindle speed	40 - 4000 min ⁻¹	
	Z3 axis stroke	700 mm	
	Z3 axis rapid traverse	16000 mm/min	
Upper carriage	X1 axis stroke	480 mm	325 mm
	X1 axis rapid traverse	12000 mm/min	
	Z1 axis stroke	700 mm	
	Z1 axis rapid traverse	16000 mm/min	
	Y axis stroke	\pm 100 mm	
	Y axis rapid traverse	10000 mm/min	
Lower carriage	X2 axis stroke	195 mm	
	X2 axis rapid traverse	12000 mm/min	
	Z2 axis stroke	700 mm	
	Z2 axis rapid traverse	16000 mm/min	

(cont'd)

		TM25YS (Y specification)	TT25S (without Y specification)
Upper turret	Revolving tool spindle taper	NT40 (MAS403-BT40)	
	Revolving tool pull stud	MAS-I axis	
	Spindle speed	31.5 - 3150 min ⁻¹	
	Turret		12 stations
	Tool type		□25 shank, φ40 boring bar
Lower turret	Turret	12 stations	
	Tool type	□25 shank, φ40 boring bar	
C axis unit	Rapid traverse	20 min ⁻¹	
	Positioning input increment	0.001°	
	Indexing accuracy	± 0.03°	
Motor	Main spindle	18.5/22 kW	
	2nd spindle	5.5/7.5 kW	
	Revolving tool spindle	3.7/5.5 kW	
	X1 axis feed	1.8 kW	0.9 kW
	Y, C axes feed	0.9 kW	
	X2, Z1, Z2, Z3 axes feed	1.8 kW	1.8 kW
ATC	Tool exchange method	Swing arm	
	Tool magazine capacity Max. tool length (dia. × length)	φ 95 × 250 mm	
	Max. tool weight	7 kg	
	Tool selection method	Fixed address method (shortest path)	
Total power requirement		200/220VA 50kVA	
Air pressure requirement		5 kg/cm ²	
Air supply requirement		200 l/min	
Machine size (L × W)		4100 × 2120	3450 × 2120
Machine net weight approx.		8000 kg	7500 kg
NC unit		FANUC 15 TT (8 axes)	FANUC 15 TT