2.4 Standard Specifications and Accessories

(1) Standard specifications of the machine

Capacity	Max. machining diameter	ϕ35 mm	
	Max. machining length	80 mm	
	Max. drilling diameter	ϕ16 mm	
Main spindle	Number of spindle	1	
	Spindle speed range	60 to 6,000min^{-1}	
	Motor output	3.7/5.5 kW	
	Rated torque	23.5 N•m	
	Chuck type	Collet chuck (toggle type curling chuck)	
Turret	Number of turrets	2	
	Number of faces	8 faces×2	
	Indexing time	0.2 sec/pos	
	CHIP TO CHIP time	0 to 1.5 sec	
	Indexing method	Servo motor	
Feed	Stroke	X1, X2	80 mm
		Z1, Z2	100 mm
	Motor output	X1, X2	0.9 kW
		Z1, Z2	0.9 kW
	Rapid traverse rate	20 m/min	
Machine size	Width×depth×height	2,110×1,645×1,710	
	Machine mass	3,500 kg	
	Height at spindle center	1,000 mm	

(2) Standard specifications of the NC device

Item	Specification
NC model name	TSUGAMI-FANUC 18i-TB
Input method	MDI
Simultaneously controllable axes	4 (2 axes in 2 lines (X1, X2, Z1, Z2))
Least input increment	0.001mm (diameter value for X-axis)
Tape code	EIA, ISO
Rapid traverse feedrate	20m/min for every axis
Rapid feed command	mm/rev or mm/min
Commanding system	Absolute/Incremental
Interporation	Linear/Circular
Auxiliary funcion M	2-digits
Spindle function S	5-digits (direct)
Tool function T	4-digits
Tool position offset	16 pairs
Monitor	7.2" monochrome LCD character display
Storage capacity	Tape length 20m
Feedrate override	0 to 150%
Reference position return	Manual or automatic
Single block	Standard (special snap switch)
Feed hold	Standard (special push button switch)
Optional stop	Standard (special snap switch)
Dry run	Standard (special snap switch)
Block delete	Standard (special snap switch)
Input output interface	Standard (RS232C)
Bar feeder interface	Standard (for 3231-Y010, Y170)
Manual pulse generator	Standard
Tool nose radius compensation	Standard
Background editing	Standard
Custom macro B	OP.
Chamfering corner R	OP.
Run-hour, parts count display	OP.
Modification on tape storage length	OP. 40m, 80m, 160m