

No.	Machine Type	Model	Build of Year	CONTROLLER	Size
56	drill and tap machining center	TD500A	2016	FANUC 0i MF	26" x 16"
57	drill and tap machining center	TD500A	2016	FANUC 0i MF	26" x 16"
58	drill and tap machining center	TD500A	2016	FANUC 0i MF	26" x 16"

TD Series
Drill and tap machining center



Item	Unit	TD300	TD500A	TD700
Table size (L×W)	mm	610×350	650×400 (OP:550×420)	810×410
Max. table load (uniformly distributed load)	kg	300	300	300
X axis travel	mm	300	300	300
Y axis travel	mm	300	400	400
Z axis travel	mm	300	330	330
Distance from Spindle center to column front	mm	400	400	400
Distance from Spindle nose to table top surface	mm	135 - 485	150 - 480	130 - 460
X/Y/Z-axis cutting feed	mm/min	0 - 20000	0 - 20000	0 - 20000
X/Y/Z-axis rapid traverse	m/min	48/48/48(OP:60/60/60)	48/48/48(OP:60/60/60)	48/48/48(OP:60/60/60)
Spindle top speed range	r/min	2000 (OP:12000)	2000 (OP:12000)	2000 (OP:12000)
Spindle taper		No.30 (F24)	No.30 (F24)	No.30 (F24)
Spindle max power	kW	3.7/5.0(Mitsubishi, FANUC) 4.8/5.0(Siemens)	3.7/5.0(Mitsubishi, FANUC) 4.8/5.0(Siemens)	3.7/5.0(Mitsubishi, FANUC) 4.8/5.0(Siemens)
Number of tools in Automatic tool changer		18(21)	18(21)	18(21)
		servo-driven turret type	servo-driven turret type	servo-driven turret type
Tool shank		BT30	BT30	BT30
Maximum tool weight	kg	2	2	2
Maximum tool diameter	mm	Ø60/Ø150 adjustment required without adjustment	Ø60/Ø150 adjustment required without adjustment	Ø60/Ø150 adjustment required without adjustment
Maximum tool length	mm	300	300	300
Tool changing time(T)	s	1.5(21/1.8)	1.5(21/1.8)	1.5(21/1.8)
T-slots				
No. of slots (width of 1 slot space between 1 slot)	mm	3×14×125	3×14×125	3×14×125
Positioning accuracy (Compliance with GB standard)	mm	X, Y, Z: 0.010	X, Y, Z: 0.010	X, Y, Z: 0.010
Repeatability	mm	X, Y, Z: 0.006	X, Y, Z: 0.006	X, Y, Z: 0.006
Control system		Mitsubishi M70B, FANUC 0i Siemens 840D, Siemens 830D	Mitsubishi M70B, FANUC 0i Siemens 840D, Siemens 830D	Mitsubishi M70B, FANUC 0i Siemens 840D, Siemens 830D
Air supply pressure (flow rate)	Mpa(L/min)	0.5-0.7 (200)	0.5-0.7 (200)	0.5-0.7 (200)
Physical environments		380V±10%, 50Hz±1Hz 8 ~ 40°C	380V±10%, 50Hz±1Hz 8 ~ 40°C	380V±10%, 50Hz±1Hz 8 ~ 40°C
Overall dimensions (L×W×H)	mm	1150×2400×2210	1346×1600×2210	2405×2150×2210
Machine weight	kg	2750	2750	3050

I Standard configurations

- Automatic tool changer system
- Work-piece cooling system
- Totally contained enclosure
- Work light
- Auto lubrication system
- Rigid tapping
- Anchor bolts and rest pads
- Spindle air purge
- Coolant unit with chip flush
- Handheld air blow-off gun
- Spindle taper air blast device

II Optional configurations

- Programmable 4th axis rotary table
- Center through-coolant and high-pressure cooling unit
- Chip washdown gun
- Tool probe
- Electrical cabinet thermostatic device(AC)
- Extended column (200mm)
- Work piece measuring system
- Tool air blow device
- Safety door interlock switch
- NCU power-off device

○ Pursuant to the policy of continual product improvement, we reserve the right to amend the specifications in this catalog without prior notice.

