

Slant Bed CNC Lathe DT Series

Specification	Unit	DT-30	DT-30H	DT-40	DT-40H	DT-50	DT-50H
Max. swing diameter over bed	mm	φ480		φ580		φ680	
Max. turning diameter (Shaft/Disc)	mm	φ280/φ300	φ280/φ300	φ360/φ400	φ350/φ350	φ460/φ500	φ450/φ450
Max. turning length	mm	300/500	300	585/1085	555/1055	580/1080	555/1055
Chuck size	inch	6		8		10	
Type of spindle nose		A ₂ -5		A ₂ -6		A ₂ -8	
Spindle speed range	rpm	5000		4000		3500	3500
Spindle bore	mm	φ63		φ70		φ87	
Max. bar capacity (Equipped with through-hole hydraulic chuck)	mm	φ45		φ51		φ73	
Spindle motor power	kW	7.5/11		11/15		15/18.5	
Max. travel of X axis	mm	155	170	215		265	
Max. travel of Z axis	mm	300/500	300	600/1100	555/1055	600/1100	555/1055
Rapid traverse of X/Z axis	m/min	30/30		30/30		30/30	
Turret type and tool numbers		Hydraulic 12-position turret	Live tooling 12-position turret	Hydraulic 12-position turret	Live tooling 12-position turret	Hydraulic 12-position turret	Live tooling 12-position turret
Tool shank size	mm	25 X 25	20 X 20	25 X 25		25 X 25	
Indexing time(adjacent/farthest)	s	0.35/1.6	0.23/0.6	0.45/1.45	0.31/0.78	0.45/1.45	0.31/0.78
Diameter of tailstock quill	mm	φ70		φ85		φ85	
Tailstock quill stroke	mm	120		140		140	
X/Z(C) axis positioning accuracy	mm	0.005/0.005	0.005/0.005 C:44"	0.005/0.007, 0.008	0.005/0.007, 0.008 (C:44")	0.005/0.007, 0.008	0.005/0.007, 0.008 (C:44")
X/Z(C) axis repeatability accuracy	mm	0.003/0.003	0.003/0.003 C:18"	0.003/0.004, 0.005	0.003/0.004, 0.005 (C:18")	0.003/0.004, 0.005	0.003/0.004, 0.005 (C:18")
CNC Controller		FANUC Oi-TF					
Guideway type		Linear guideway		Linear guideway		Linear guideway	
Machine dimensions (L X W X H) Rear chip conveyor	mm	2360 x 2510 x 1835 (300) 2660 x 2510 x 1835 (500)		2922 X 3050 X 2010 (600) 3422 X 3050 X 2010 (1000)		2922 X 3050 X 2010 (600) 3422 X 3050 X 2010(1000)	
Machine weight	kg	4000/4800		5300/6300		5500/6500	

Standard Configurations

- Hydraulic 12-position turret for DT series
- ITALY 12-position live tooling turret for DT-H series
- NSK spindle bearings and X/Z axis bearings
- X/Z THK ball screws & THK linear guideways
- TAIWAN Non through-hole hydraulic chuck

Optional

- Programmable tailstock
- Air conditioner
- High-flow water pump
- METRAL and RENISHAW tool presetter
- TAIWAN through-hole hydraulic chuck and cylinder

- Hydraulic tailstock
- Heat exchanger
- Chain-type chain conveyor
- Automatic lubrication system

- Bar feeder and parts catcher
- Domestic hydraulic steady rest and Germany hydraulic steady rest
- Automatic door