

Slant Bed CNC Lathe DT Series



Specification	Unit	DT-30	DT-30H	DT-40	DT-40H	DT-40HY	DT-50	DT-50H	DT-50HS	DT-60HY	
Max. swing diameter over bed	mm	φ480		φ580			φ680		φ920		
Max. turning diameter (Shaft/Disc)	mm	φ280/φ300	φ280/φ300	φ360/φ400	φ350/φ350	φ350/φ380	φ460/φ500	φ450/φ450	φ440/φ440	φ600/φ440	
Max. turning length	mm	300	300	585/1085	555/1055	555/1055(ITALY) 445/945(CHINA)	580/1080	555/1055(ITALY) 445/945(CHINA)	440/940	1000	
Guideway type		Linear guideway		Linear guideway			Linear guideway		Linear guideway	Box way	
Spindle											
Type of spindle nose		A _r -5	Opt: A _r -6	A _r -5	Opt: A _r -6	A _r -6	Opt: A _r -8	A _r -6	Opt: A _r -8	A _r -8	A _r -8
Chuck size	inch	6	8	6	8	8	10	8	10	8	10
Spindle speed range	rpm	5000	4500	5000	4500	4000	3500	4000	3500	3500	3500
Spindle bore	mm	φ63	φ63	φ63	φ63	φ70	φ87	φ70	φ87	φ70	φ87
Max. bar capacity (Equipped with through-hole hydraulic chuck)	mm	φ45	φ47	φ45	φ47	φ51	φ73	φ51	φ73	φ51	φ73
Spindle motor power	kW	7.5/11		11/15			15/18.5		7.5/15(Low) 11/18.5(High)		18.5/22
Travel											
Max. travel of X axis	mm	155	170		215			265		395	
Max. travel of Z (Y)axis	mm	300/500	300		600/1100	555/1055(ITALY) 445/945(CHINA)		555/1055(±0.05)	600/1100	555/1055(ITALY) 445/945(CHINA)	460/960
Rapid traverse of X/Z(Y) axis	m/min	30/30		30/30			30/30		30/30		24/24(12)
Tool post											
Turret type and tool numbers		Hydraulic 12-position turret		Live tooling 12-position turret		Hydraulic 12-position turret		Live tooling 12-position turret		Live tooling 12-position turret	
Tool shank size	mm	25×25		20×20		25×25			25×25		25×25
Indexing time(adjacent/farthest)	s	0.35/1.6		0.31/0.76		0.35/1.6		0.49/0.96 (ITALY) 0.49/0.96 (ITALY)		0.35/1.6	
Tailstock											
Diameter of tailstock quill	mm	φ70		φ85			φ85		Sub-spindle		φ100
Tailstock quill stroke	mm	120		140			140				120
Accuracy											
X/Z(C, Y) 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:31")		0.005/0.007, 0.008 (C:31")	
X/Z(C, Y) 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:13")		0.003/0.004, 0.005 (C:13")	
Controller											
CNC Controller		FANUC 0i-TF (S) Plus, FANUC 0i-TF (1) Plus, SIEMENS SINUMERIK 828D							FANUC 0i-TF Plus(1)		
General											
Machine dimensions(L×W×H) Without chip conveyor	mm	2360×1720×1835(300)		2922×1900×2010(600)		3422×1900×2010(1000)		2922×1900×2010(600)		3222×1900×2010(600)	
Machine weight	kg	4000/4800		5300/6300		5500/6500		5500/6500		6500/6700	

Standard configurations

- Hydraulic 12-position turret for DT series
- Domestic or Italy 12-position live tooling turret for DT-H series
- NSK spindle bearings and X/Z axis bearings
- X/Z THK ball screws & X/Z THK linear guideways
- Non through-hole hydraulic chuck
- Hydraulic tailstock
- Heat exchanger
- Chain-type chip conveyor
- Automatic lubrication system
- Standard toolkit

Optional

- Screw drive tailstock
- Tool presetter
- Air conditioner
- Oil mist separator
- Through-hole hydraulic chuck and cylinder
- Bar feeder and parts catcher
- Domestic hydraulic steady rest
- Germany hydraulic steady rest
- Automatic door