

Specification	Unit	DL-20M	DL-25M	DL-30M	DL-32M	DL-40M
Max. swing diameter over bed	mm	Φ440	Φ520	Φ625	Φ680	Φ900
Max. turning diameter(Shaft/Disc)	mm	Φ260/Φ400	Φ310/Φ520	Φ380/Φ600	Φ440/Φ630	Φ600/Φ800
Max .turning length	mm	600/1000	1000/1500	1000/1500	1000/1500/2000/3000	1000/1500/2000/3000
Guideway type		Linear guideway	Box way Opt.Linear guideway(1000)	Linear guideway	Box way	Box way
Spindle						
Chuck size	inch	8	10	12	15	15
Type of spindle nose		A <sub>2</sub> -6	A <sub>2</sub> -8	A <sub>2</sub> -8	A <sub>2</sub> -11	A <sub>2</sub> -11
Spindle speed range	rpm	4500	3500	3000	2000	1500
Spindle bore	mm	Φ76	Φ87	Φ88	Φ100	Φ132
Max. bar capacity (Equipped with through-hole hydraulic chuck)	mm	Φ65	Φ74	Φ74	Φ80	Φ80
Spindle motor power	kW	11/15	15/18.5	18.5/22	22/30	22/30
Travel						
Max Cross travel of X axis	mm	265	260	330	375	435
Max Cross travel of Z axis	mm	640/1040	1040/1600	1100/1600	1020/1520/2020/3020	1020/1520/2020/3020
Rapid traverse of X/Z axis	m/min	24/24 (Z:16 1000)	12/12 Box way 24/16 Linear guideway	24/24	12/16	12/16
Tool post						
Turret type and tool numbers		Hydraulic 12-position turret	Hydraulic 12-position turret	Hydraulic 12-position turret	Hydraulic 12-position turret	Hydraulic 12-position turret
Tool shank size	mm	25×25	25×25	25×25	32×25	32×25
Indexing time(adjacent/farthest)	s	0.45/1.45	0.45/1.45	0.45/1.6	0.45/2.2	0.45/2.2
Tailstock						
Diameter of tailstock quill	mm	Φ85	Φ100	Φ140	Φ160	Φ160
Tailstock quill stroke	mm	139	139	150	180	180
Accuracy						
X axis positioning accuracy	mm	0.011	0.011	0.011	0.011	0.011
Z axis positioning accuracy	mm	0.014/0.018	0.018/0.021	0.018/0.021	0.018/0.021/0.021/0.021	0.018/0.021/0.021/0.021
X axis repeatability accuracy	mm	0.004	0.004	0.004	0.004	0.004
Z axis repeatability accuracy	mm	0.006/0.007	0.007/0.009	0.007/0.009	0.007/0.009/0.009/0.009	0.007/0.009/0.009/0.009
Controller						
CNC Controller		FANUC Oi-TF				
General						
Machine dimensions(L×W×H) Rear chip conveyor	mm	3900×1910×1880 4430×1910×1880	5010×2020×2110 5200×2020×2110	5700×2200×2150 6450×2200×2150	5922×2120×2217(1000) 6431×2120×2217(1500) 6921×2120×2217(2000) 8339×2321×2350(3000)	6552×2340×2457(1000) 7052×2340×2457(1500) 7552×2340×2457(2000) 8936×2578×2598(3000)
Machine weight	kg	4000/5000	7800/8300	8500/9500	11000/12000/13000/14500	11500/12500/13500/15000