

## Slant Bed CNC Lathe DL-M Series

Specification	Unit	DL-25M	DL-30M	DL-32M	DL-40M
Max. swing diameter over bed	mm	φ520	φ625	φ680	φ900
Max. turning diameter (Shaft/Disc)	mm	φ310/φ520	φ380/φ600	φ440/φ630	φ600/φ800
Max. turning length	mm	1000/1500	1000/1500	1000/1500/2000/3000	1000/1500/2000/3000
Chuck size	inch	10	12	15	15
Type of spindle nose		A <sub>2</sub> -8	A <sub>2</sub> -8	A <sub>2</sub> -11	A <sub>2</sub> -11
Spindle speed range	rpm	3500	3000	2000	1500
Spindle bore	mm	φ87	φ88	φ100	φ132
Max. bar capacity (Equipped with through-hole hydraulic chuck)	mm	φ74	φ74	φ80	φ80
Spindle motor power	kW	15/18.5	18.5/22	22/30	22/30
Max. travel of X axis	mm	260	330	375	435
Max. travel of Z axis	mm	1040/1600	1100/1600	1020/1520/2020/3020	1020/1520/2020/3020
Rapid traverse of X/Z axis	m/min	12/12 Box way 24/16 Linear guideway	24/24	12/16	12/16
Turret type and tool numbers		Hydraulic 12-position turret	Hydraulic 12-position turret	Hydraulic 12-position turret	Hydraulic 12-position turret
Tool shank size	mm	25 X 25	25 X 25	32 X 25	32 X 25
Indexing time(adjacent/farthest)	s	0.45/1.45	0.45/1.6	0.45/2.2	0.45/2.2
Diameter of tailstock quill	mm	φ100	φ140	φ160	φ160
Tailstock quill stroke	mm	139	150	180	180
X axis positioning accuracy	mm	0.011	0.011	0.011	0.011
Z axis positioning accuracy	mm	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
Z axis repeatability accuracy	mm	0.007/0.009	0.007/0.009	0.007/0.009/0.009/0.009	0.007/0.009/0.009/0.009
CNC Controller		FANUC Oi-TF			
Guideway type		Box Way Opt:Linear guideway (1000)	Linear guideway	Box way	Box way
Machine dimensions (L X W X H) Rear chip conveyor	mm	5010 X 2020 X 2110 5200 X 2020 X 2110	5700 X 2200 X 2150 6450 X 2200 X 2150	5922X2120X2217(1000) 6431X2120X2217(1500) 6921X2120X2217(2000) 8339X2321X2350(3000)	6552X2340X2457(1000) 7052X2340X2457(1500) 7552X2340X2457(2000) 8936X2578X2598(3000)
Machine weight	kg	7800/8300	8500/9500	11000/12000/13000/14500	11500/12500/13500/15000

Standard configurations

Optional

- Hydraulic 12-position turret
- NSK spindle bearings and X/Z axis bearings
- X/Z THK ball screws & THK linear guideways
- TAIWAN Non through-hole hydraulic chuck
- Hydraulic tailstock
- Heat exchanger
- Chain-type chip conveyor
- Automatic lubrication system

- SIEMENS 828Dsl or GSK 988T controller
- Electric servo turret
- High-flow water pump
- TAIWAN through-hole hydraulic chuck and cylinder
- Bar feeder and parts catcher
- Domestic hydraulic steady rest and Germany hydraulic steady rest
- Rotary mandrel tailstock
- Air conditioner
- METRAL and RENISHAW tool presetter
- Automatic door