

CITIZEN

Cincom

D25

Sliding Headstock Type Automatic CNC Lathe



Machine Specifications

Items	D25	
	Type VII (D25-1M7)	Type VIII (D25-1M8)
Max. machining diameter (D)	25 mm dia.	
Max. machining length (L)		
Guide bushing	250 mm	
Guide bushing-less	2.5 D	
Max. front drilling diameter	12 mm dia.	
Max. front tapping diameter (Cutting tap)	M10	
Spindle speed	Max. 10,000 min ⁻¹	
Max. drilling diameter by rotary tool on gang tool post	10 mm dia.	
Max. tapping diameter by rotary tool on gang tool post	M8	
Gang tool spindle speed	Max. 9,000 min ⁻¹	
Max. chuck diameter of the back spindle	25 mm dia.	
Max. workpiece protrusion length from the back spindle	50 mm	
Max. drilling diameter in back machining	12 mm dia.	
Max. tapping diameter in back machining	M10	
Back spindle speed	Max. 10,000 min ⁻¹	
Tool capacity Standard (Maximum)	35 (59)	35 (43)
Cutting tool	7 - 13	7 - 9
Front drilling tools	4 - 23	4 - 13
Front cross drilling tools	7 - 12	7
Back drilling tools	6 - 35	6 - 25
Back cross drilling tools	4 - 6	4 - 6
Tool size		
Turning tool	16 mm sq./ 19 mm sq./	
Sleeve	25.4 mm sq./	
Chuck / bushing		
Spindle collet chuck	FC071-M	
Back spindle collet chuck	FC071-MK	
Guide bushing	FG521-M	
Rapid feed rate		
All axes (other than Z2)	32 m/ min	
Z2 axis	24 m/ min	
Motor		
For spindle drive	3.7/ 5.5 kW	
For driving rotary tools on the gang tool post	2.2 kW	
For back spindle drive	2.2/ 3.7 kW	
For driving rotary tools on the back tool post	1.0 kW	
Rated power consumption	13 kVA	
Total load current	33 A	
Main breaker capacity	60 A	
Pneumatic device		
Required pressure	0.5 MPa(5kgf/cm ²)	
Flow rate	Up to 60 NL/min (Power on)	
	Up to 180 NL/min (With air blow)	
Tank capacity		
Tank capacity	0.8 L	
Coolant tank capacity	200 L	
Machine size		
Machine height	1,795 mm	
Required floor area	2,440×1,380 mm	
Required floor area	1,050 mm	
Required floor area	3,450 kg	

Standard Accessories

Spindle chucking device	Cut-off tool breakage detector
Back spindle chucking device	Workpiece conveyor
Rotary tool spindle drive device of the gang tool post	Work light
Coolant tank (with level detector)	Rotary guide bushing drive device
Central lubrication device (with level detector)	Spindle cooling device
Machine relocation detector	Door lock

Special Accessories

Rotary guide bushing device	Signal lamp
Knock-out device for workpieces with through-holes	3-color signal tower
Chip conveyor	Opposite tool post
Coolant flow rate detector	Medium-pressure coolant device
D25 dedicated tools	

Standard NC Functions

D25 dedicated NC unit	15-inch touch panel screen
User disk space: 10 MB	Program storage capacity 160 m (64kB)
Tool offset pairs: 99 pairs	Preparation function
On-machine program check function	Run hour display
USB slot	Door lock function
Interference check function	Machine operation information display
Collision detection function	Spindle speed fluctuation detection function
Spindle constant surface speed control function	Tool nose radius compensation
B axis control function (type VIII)	Thermal displacement correction function

Special Additional NC Functions

Back spindle chasing function	Variable lead thread cutting
Circular thread cutting	User macro
Drilling canned cycle	High-speed synchronized tapping function
Differential speed rotary tool function	Back spindle 1° indexing function
Spindle C-axis function	Back spindle C-axis function
Milling interpolation function	Helical interpolation function
Coordinate rotation command function	RS-232C connector
User disk space: 100 MB	Program storage capacity 4800 m (1920 kB)
Run using program in external memory	Tool life management I
Tool life management II	Network I/O function
Sub-micron command	Optional block skip (9 sets)
3D chamfering function	

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