

Cincom L20 Sliding Headstock Type Automatic CNC Lathe Machine

Machine Specifications

Item		L20VIII	L20IX	L20X	L20XII	L20XII B5
Max.machining diameter		20mm Dia.(25mm Dia.OP.)				
Max.machining length	GB 20mm Dia.spec.	200mm per chucking				
	GB 25mm Dia. spec.	188mm per chucking				
	GBL	Max.50mm per chucking (GBL)				
Max.front drilling diameter		10mm Dia.				
Max.front tapping diameter		M8 (cutting tap)				
Spindle through-hole diameter		26.4mm Dia.				
Spindle rotation		Max10,000min-1				
Max. chucking diameter of back spindle		dia.20 mm, dia25 mm [1"] option				
Max. taking-out length of the workpiece		130mm				
Max. workpiece protrusion length of back spindle		40 mm				
Back machining max. drilling diameter		8mm Dia.				
Back machining max. tapping diameter		M8(cutting tap)				
Back spindle speed		Max.10,000min-1				
Gang tool post rotary tool	Max. drilling diameter	8mm Dia.				
	Max. tapping diameter	M6 (cutting tap)				
	Spindle rotation	Max.6,000min-1(rated speed: 4,500min-1)				
		S3 high-power motor specifications: Max. 9,000 min-1 (rated speed: 9,000-1)				
Rotary tools on the opposite tool post		Max.6,000min-1 (rated speed : 4,500 min-1)				

	Max. drilling diameter	—			
	Max. tapping diameter	—			
	Spindle rotation	—			
Back rotary tool※1	Max. drilling diameter	option			
	Max. tapping diameter	option			
	Spindle rotation	option			
number of mountable tools	Max.	38	34	45	41
	Turning tools on the gang tool post	6			
	Rotary tools on the gang tool post	25	21	25	21
	Front drilling tools	3		6	
	Back drilling tools	4		8	
Tool size	Turning tools	12 mm Sq. (13mm Sq., 16mm Sq.)			
	Sleeve	25mm Dia.(GDS107, 210) 19.05mm Dia.			
Chuck / bushing	Front spindle collet chuck	FC034-M, FC071-M (φ 25 mm [1″])			
	Back spindle collet chuck	FC034-M-K, FC071-M-K (φ 25 mm [1″])			
	Rotary tool collet chuck	ER11、 ER16			
	Chuck for drill sleeve	ER11、 ER16			
	Guide bushing	WFG206-M、 DFG206-M、 FG521-M (φ25 mm [1″])			
Rapid feed rate	X1,Y1,Z1,X2,Z2 axis	32m/min			
	Y2 axis	—		8m/min	
Motor	For front spindle drive	2.2/3.7/5.5kW (continuous/15 minute/10%ED ratings)			

	For back spindle drive	1.5/2.2/3.7kW (continuous/40%ED/10%ED ratings)	
	for driving rotary tools on the gang tool post	1.0kW(2.2 kW with S3 high-power motor specifications)	
	for front rotary tool drive	0.75 kW	
	for back rotary tool drive	0.75 kW	
For coolant		0.4 kW	
Rated power consumption※2		8.3kVA	
Load operation average power consumption※3		4.5kVA	
Total load current		37A (41 A with S3 high-power motor specifications)	
Main breaker capacity		60 A	
Power supply voltage		AC 200V ± 10%	
Pneumatic device	Required pressure	0.5 MPa	
	Required flow rate	52/ 55/ 177 L/ min (Power ON/Normal/ With air blow)	
Machine dimensions		W2,222 × D1,265 × H1,835mm	
Center height		1,050 mm	
Machine weight		2,630 kg	2,680 kg

ATC device	L32XII ATC
Max. ATC tooling rotations	12,000min-1
Motor output	2.2kW
Tool holder type	JBS-15T
No. of B-axis tools	13

Number of tools mountable on main unit	Max.34
Tool changing time (chip to chip)	4.0 sec
Maximum outer diameter of tools	30mm Dia.
Maximum grip diameter	10mm Dia. (ER16)