

SWISS TYPE CNC LATHE

BS 205



Specifications			BS 205	Item	Name	Unit	Parameter	
Travel and Power	Main spindle power (kw)	2.2/3.7		Mechanical Parts	Machine body	1 set	Integral cast iron bed	
	Back spindle power (kw)	0.75/1.5			Safety shield	1 set	Fully enclosed sheet metal shield	
	X1 power (kw)	1.0			Security door lock	1 set	Studio security door lock	
	X1 travel(min)	2.1			Mechanical spindle	1 set	Factory	
	Z1 power (kw)	1.0			Spindle servo motor	1 set	Japan Mitsubishi servo motor	
	Z1 travel (mm)	215(fixed guide bush)/80 Synchronous guide bush)/45 guide bushless			Back spindle servo motor	1 set	Japan Mitsubishi servo motor	
	Y1 power(kw)	1.0			X1/Y1/Z1/X2/Z2 servo motor	1 set	Japan Mitsubishi servo motor	
	Y1 travel (mm)	165			Servo unit	1 set	Japan Mitsubishi servo motor	
	X2 power (kw)	1.0			Main and back Spindle C axis indexing	1set for each		
	X2 travel (mm)	210			X1/Y1/Z1/X1/Z2 linear slide	1 pc for each		
	Z2 power (kw)	1.0			X1/Y1/Z1/X2/Z2 precision screw	1pc for each	Taiwan HIWIN	
	Z2 travel (mm)	180			Screw support hearings	5 sets	Japan NSK	
	Machine	Main spindle speed (r/min)			200-10000	Total number of tools	21 pcs	(outer diameter 9/inner diameter 4 / back 4 bk fr 4)
		Back spindle speed (r/min)			200-8000	Positive round knife	2 digits	
Total tool storage capacity(std)		21	Reverse round knife	3 digits				
Tool size (mm)		12x12x85	Cross live tools 4 pcs	1 set				
Machining	Bar diameter(mm)	φ 3~φ 20	Tool size	Mm	12*12*85			
	Max. Drilling dia. (mm)	φ 10	Rapid travel speed	M/min	32m/min/X1 / X2 / Z2 - 24)			
	Max. Tapping dia. (mm)	M 10	Number of axes	5 axis	5			
	Max. Back spindle chucking dia.(mm)	φ 20	Cutting oil pump	KW	0.44			
	Max. Back spindle drilling dia.(mm)	φ 8	Lubricating oil pump	KW	0.1			
	Max. Back spindle tapping dia. (mm)	M6x1	Battery Capacity	KVA	10			
	Max. Cross drilling dia. (mm)	φ 6 (optional)	Air Pressure	Mpa	0.4-0.6			
Precision	Max. Cross tapping dia. (mm)	M5x0.8(optional)	Length Width Height	Mm	1.2203*W1162*H1736			
	Positioning accuracy	±0.005	Net Weight	Kg	2200			
Control system	Repeatability	±0.003	Lighting device	1set				
	CNC System	Mitsubishi M80 / FANUC	Gripping method	1 set	Pneumatic (SMC)			
	Control Axis	5 Axes	Alarm system	1 set	Three-color device			
	Axes	X1, Y1, Z1, X2, Z2	Automatic bar feeder	1 set	Factory			
	Rapid transverse rate	32m/min(Y1/X2/Z2 axis 28m/min. X1 axis 24m/min)	Fixed guide bush	1 set	Factory			
Power source	Minimum setting unit	0.001mm	Back-axis pneumatic blowing device	1 set	Factory			
	Minimum moving unit	0.001mm	Guide bush	1				
	Power Transformers	10kva	Main/back spindle chuck	1				
Cooling system	Power supply rated voltage	415V	Four hole drilling tool holder	1	Factory			
	Power supply rated frequency	50Hz	Double-headed punch handle	4 Nos	φ 20 OD ER 16			
Lubrication system	Coolant pump (W)	820	The back of the hole knife seat	4 Nos	Factory			
	Oil tank volume (L)	200	Elastic collet (with seat0	12	Size customers			
Pneumatic system	Pump (W)	100	Machine foot block	1 set	Factory			
	Oil tank Volume(L)	2						
Machine size	Air Pressure (Mpa)	0.5/0.7						
	Air Volume (NL/min)	30						
Machine size	L*W*H(mm)	2480x1183x1756						
	Weight(KG)	2200						