

CNC LATHE

Model: SMI-CK6140 SMI-CK6140B



Features:

- This CNC 2-axis continuous controlled turning center is designed for semi-finish turning and finish turning shafts and plates. The machine mated with advanced CNC system has the function of turning linearity, oblique line, arc (cylindrical, rotary camber, spherical surface and conic section), straight and taper metric/inch screws. It is suitable for processing complicated and precision plates and shafts.
- Adopting 45° slant bed, easily operation and adjusting and it is benefit to convey chips. The longitudinal and transversal guide way adopts high precision rolled guide way couples so as to improve the responding speed and life of the machine. The transmission system of the spindle adopts A.C. servo motor and the main motor drives spindle by multi-wedge

belt, so the smooth of the transmission has been improved. The transmission of the X and Z axis adopt 1:1 shift so as to avoid error of the transmission, improve the rigidity and the responding speed of the machine. The machine mated with horizontal 8 positions tool-post and proper tools. The design of the machine has properties of times feeling, beautiful outlook and practicality. The electric part has good rigidity, responding speed and good firm. The machine mated with A.C. servo driven CNC system and semi-circled control, the machine has strong ability to resistant disturb and the CNC system has the advanced function of pitch error compensation, constant line turning, firmed cycle, programming the data directly on the drawing, DNC communication etc., the quality of the machine has more improvement.

Specification:

Modle	SMI-CK6140	SMI-CK6140B
Max. swing diameter over bed (mm)	Φ400	
Max. turning diameter(mm)	Disc Φ300	Shaft Φ250
Max. workpiece length(mm)	500	
Spindle bore diameter(mm)	Φ56	
Max. spindle speed(r/min)	4000	3000
Size of spindle head	A2-6	
Size of the chuck	8" (solid and hydraulic)	
Rapid moving speed(X axis/Z axis)(m/min)	16/20	10/12
Torque of the feeding motor(X axis/Z axis)	7/11 N · m	
Main motor power(kw)	7.5	
Tool-post travel(X axis/Z axis)(mm)	170/550	
Tool post type	horizontal 8 positions	
Taper of the tail stock spindle	MT4	
Machining accuracy	IT6	IT7
Machining roundness	0.003	0.005
Roughness	Ra0.8	Ra1.2
Re-Positioning accuracy (X/Z) (mm)	0.004/0.006	0.007/0.009
Positioning accuracy (X/Z) (mm)	0.010/0.012	0.012/0.015
Overall dimension (L x W x H) (mm)	2604x1500x1700	
Machine net weight (t)	4	
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