



## Proton 560/1500 CNC lathe

CNC LATHE: Swing over bed: 420-560mm, Maximum turning length: 750-10000mm, Span of guideway: 550mm  
 Solid block machine base construction with good rigidity and nice looking, width of bed guide way is 400mm.  
 Surface of bed guide way, the part supporting main spindle and gears are dealt by chilling, and are milled and turned precisely, so the precision are well held.  
 The X-axis and Y-axis bed guide ways are glued by "TSF" polyvinyl fluoride soft belts, and are smooth and enduring in low speed. The surfaces of bed guide ways and balls  
 crews use automatic lubrication system, reliable and convenient. Driving motor subject to user's option, stepping motor and servo motor are available. Controlling system subject to user's option completely.

Model		CK6142	CK6156
Capacities			
Swing over bed	mm	420	560
Swing over carriage	mm	210	300
Max. length of workpiece	mm	500 750 1000 1500 2000	
Max. cutting length	mm	350 600 850 1350 1850	
Span of guideway	mm	400	
Spindle			
Spindle nose	mm	C6	C8
Chuck	Manual	K11 250C/C6	K11 250C/C8
	Hydraulic	8	10
	Pneumatic	200	250
Spindle bore	mm	58	80
Inner taper of spindle nose/Dia. of the big end	mm	1:20/63	1:20/86
Spindle speed and range		27.5-2200r/min	25-2000r/min
Feed motion			
min. feed increment of x-/z-axis	mm	0.001/0.001	
Rapid speeds of x-/z-axis	mm/min	4000/6000	
max. travel of x-axis	mm	300	
Tool post			
Tool-post working position		V4	
Indexing time	s	2.4(V4)	
Indexing repeatability	mm	0.008	
Size of tool shank	mm	25X25	
Tailstock			
Diameter of Tailstock quill	mm	85	
Travel of tailstock quill	mm	150	
Taper Hole of tailstock quill	Morse	Morse 5	
Accuracy and Acceptance conditions			
Workpiece accuracy		IT6-T7	
Surface roughness	µm	Ra1.6	
Others			
Main power	kW	7.5	
Lathe weight	kg	26002900320036004000	
Machine overall dimensions(Lxwxh)	mm	23802610286034303910x1340x1750	