



## Proton XL800.30 CNC lathe

*Swing over bed:630-940mm,Over carriage:340-650mm,Length of workpiece:500-6000mm,Span of guideway:550mm CK6163/80/94series are parallel CNC lathes of popular edition.They are suitable for turning of complicated shaft,sleeve,and disk type work-pieces such as turning of internal and external cylindrical,conical,arc surfaces and various threads.And are especially fit for turning of diversified work-pieces on small and medium batches.They are of high versatility,high efficiency,low inferiority and good conformability.Also,being excellent medium type machining equipment,they are of simple programming,easy operation and with full functions.*

- 1. The spindle can accomplish 4-phase infinite frequency variable speed changing.Being of wide phase.big lap,full automatic,the spindle speed can accommodate wide machining range.*
- 2. The spindle can accomplish large torque output at low speed range.*
- 3. The movable safe-guard design makes the machines easy to operate and easy to load/unload work-pieces.*
- 4. Equipped with load reducing device makes the ail-stock easy to move.*
- 5. Taper turning unlimited angle and length.*
- 6. Cutting of various cylindrical and taper threads,and continuous transition threads.*

Item	Unit	CK6163	CK6180	CK6194
Swing over bed	mm	630	800	940
Swing over carriage	mm	340	510	650
Swing over gap	mm	800	970	1100
Effective width of gap	mm	300	300	300
Maximum length of workpiece	mm	750/1000/1500/2000/3000/4000/5000		
Maximum turning length	mm	600/850/1350/1850/2850/3850/4850		
Span of guideway	mm	550	550	550
Spindle nose		C11	C11	C11
Chuck(Manual)	mm	325(standard configuration)		
Spindle bore	mm	100	100	100
Taper hole of spindle		1:20/120	1:20/120	1:20/120

Spindle speed and range		12.5-1000r/min / 4 steps	10-800r/min / 4 steps	10-800r/min / 4 steps
Center height from bed	mm	315	400	470
Min.feed increment of X-/Z-axis	mm	0.001/0.001	0.001/0.001	0.001/0.001
Rapid speeds of X-/Z-axis	mm/min	3000/6000	3000/6000	3000/6000
Max.travel of x-axis	mm	390	475	475
Tool-post working position		Vertical 4-position electrical turre	Vertical 4-position electrical turre	Vertical 4-position electrical turre
Indexing time	s	2.4(V4)	2.4(V4)	2.4(V4)
Indexing repeatilty	"mm	0.008	0.008	0.008
Section of tool shank	mm	32*32	32*32	32*32
Diameter of tailstock quill	mm	100	100	100
Travel of tailstock quill	mm	250(standard)	250(standard)	250(standard)
Taper hole of tailstock quill		Morse 5	Morse 5	Morse 5
Workpiece accuracy		IT6-IT7	IT6-IT7	IT6-IT7
Surface roughness		Ra1.6	Ra1.6	Ra1.6
Acceptance conditions		JB/T8324.1-96 JB/T8324.2-96	JB/T8324.1-96 JB/T8324.2-96	JB/T8324.1-96 JB/T8324.2-96
Main motor power	kw	11	11	11