



## CWZ61160 CWZ61180 CWZ61200 CWZ61220 CWZ61240

This series of machines are universal engine lathes, they are suitable for cutting swing work pieces, such as external cylindrical surfaces turning, internal hole, taper and thread machining, etc.

Three guideways have been adopted, it has features of strong rigidity, heavily loading capacity and good accuracy.

DC driving is used by main driving of the machine, full digital DC variable, 3 grade mechanical or hydraulic speed change has been equipped, spindle speed range 1: 200 may be got.

Feed driving is connected with the main driving, the carriage has function of rapid traverse and combing feed.

Built-in living center has been selected by the tailstock, it has characters of heavily loading capacity, 2 grade manual traversing function, traversing of tailstock is motorized, easy for operating.

Double-row short cylinder roller bearing is used by spindle bearing, it has high accuracy, radial clearance may be adjusted by it.

SPECIFICATIONS:	CWZ61160	CWZ61180	CWZ61200	CWZ61220	CWZ61240
Swing over bed	1600mm	1800mm	2000mm	2200mm	2400mm
Swing over cross slide	1250mm	1450mm	1650mm	1850mm	2050mm
Centers distance	3m, 4m, 5m, 6m, 8m, 10m, 12m, 16m				
Max. weight of workpiece between centers	32T/40T				
Bed width	1600mm				
Headstock					
Spindle bore	85mm				
Spindle taper	120mm taper 1: 7				
Range of spindle speed	0.86~160r/min manual operated gear 3 infinite speed variation(hydraulic)				
Feed box					
Metric threads range(pitch)	2-40mm				
Inch thread range	1-14				
Worm thread range (Module)	1.5-20mm				
Longitudinal feeding range	0.125-4.8mm/spindle each lap				
Cross feeding range	0.063-2.4mm/spindle each lap				
Fast travel (longitudinal/cross)	3000mm/min, 1500mm/min				
Tool rest					
Tool section	70 x 70mm				
Carriage					

Max. cross travel of carriage	700mm		
Max. travel of middle tool rest	600mm		
Tailstock			
Dia. of tailstock quill	300mm		
Taper of tailstock quill	100 taper 1: 7		
Max. travel of tailstock quill	300mm		
Steady rest			
Close-type steady rest	400-750mm		
Open-type steady rest	650-1200mm		
Motor			
Main motor	80kw (DC)		
Fast feeding motor	1.5kw		
Fast feeding motor in tailstock	1.5kw		
Centers distance N. W. Overall Dimension	3000mm	37500kg	8600x2480x2280mm
	4000mm	39000kg	9600x2480x2280mm
	5000mm	40500kg	10600x2480x2280mm
	6000mm	42000kg	11600x2480x2280mm
	8000mm	45000kg	13600x2480x2280mm
	10000mm	48000kg	15600x2480x2280mm
	12000mm	52000kg	17600x2480x2280mm
	16000mm	58000kg	21600x2480x2280mm