

## The specification of CNC cylindrical grinder

Cylindrical Grinder			TT100-60L-C2-S	
Process Capacity	Max. swing over bed	$\phi$ mm	1000	
	Max. distance between centers	mm	6000	
	Center height	mm	510	
	S type=standard workpiece H type=heavy workpiece			S type
	Max. weight of workpiece	Between centers	kg	1800
		On steady rests	kg	7000
	Min. center distance between workpiece and wheel spindle	mm	452.5	
Max dia of crown	$\phi$ mm	C2 type		
		10		
Wheelhead & Cross feed (X axis)	Max. Wheel size (O.DXWidthXBore)	mm	$\phi$ 915x100x $\phi$ 304.8	
	Wheel line speed	m/s	35	
	Cross travel of wheelhead (X axis)	mm	510	
	Max. cross feed rate	mm/min	1500	
	Rotation speed of wheel	R. P. M	400~1200	
	Cross feed per pulse	mm/p	0.001	
	Infeed per scale of handwheel	mm	$\phi$ 0.001/ $\phi$ 0.01/ $\phi$ 0.1	
	Type of lubrication system	—	Hydrostatic & Hydrodynamic system	
Type of motor	—	VVVF		
Carriage (Z axis)	Travel of carriage (Z axis)	mm	6200	
	Travel speed of carriage	mm/min	10~4500	
	Type of lubrication system	—	Hydrostatic & Hydrodynamic system	
	Type of motor	—	VVVF	
Workhead & Tailstock	Rotation speed of workhead	R. P. M	3~30	
	Workhead rotation method	—	Live center	
	Tailstock rotation method		Dead center	
	Moving speed of tailstock	mm/min	air pressure	

	Stroke of quill	mm	150
	Moving method of the quill	—	manual screw
	Center taper	—	MT#6
Process accuracy	Roundness	mm	0.002~0.005
	Cylindricity	mm/m	0.002~0.005
	Profile accuracy (not include C1 type)	mm/m	±0.002~0.005
	Surface Roughness	Ra	≤0.3um
Power rating	Grinding wheel motor	HP	40HP(30KW)
	Workhead motor	HP	20HP(15KW)
	Z axis carriage servo motor	Nm	SIEMENS : 27Nm(4.9KW)
	X axis wheel servo motor	Nm	SIEMENS : 11Nm(2.3KW)
	Wheel head lubrication motor	HP	2HP(1.5KW)
	X,Z axis lubrication motor	HP	1HP(0.75KW)
	filter motor	HP	1HP(0.75KW)
	Oil coolant motor		2.10HP(1.6KW)
Machine size	Approx. Length of machine	mm	17500
	Approx. Width of machine	mm	3700
	Approx. Height of machine	mm	1900
	Approx. Weight unpacked	tons	26

※ We reserve the right to alter the design and specification in view of technical requirements and future developments without prior notices!

Standard Accessories		
	Name of parts	Amount/Unit
1	Flange and Flange puller	1 pc.
2	Dresser	1 pc.
3	Coolant system	1 set.
4	Lubricating oil unit	1 set.
5	pad(H Beam is prepared by end user.)	1 set.
6	Splash guard	1 set.
7	Tool box	1 set.
8	Telescopic sheet-metal covers	1 set.
9	Faceplate	1 pc.

10	Center	2 pc.
11	Magnetic & paper filter	1 set.
12	magnetic base	1 pc.
13	Dial-gauge	1 pc.
14	Intermediate Water tank system	1 set.

Recommend Accessories		
	Name of parts	Amount/Unit
1	Light duty steady Rest(supporting range 80~160mm)	2 pc.
2	Light duty steady Rest(supporting range 160~280mm)	2 pc.
3	Light duty steady Rest(supporting range 280~400mm)	2 pc.
4	Heavy duty steady Rest(supporting range 80~160mm)	2 pc.
5	Heavy duty steady Rest(supporting range 160~280mm)	2 pc.
6	Heavy duty steady Rest(supporting range 280~400mm)	2 pc.
7	Spare flange	1 pc.
8	Wheel balancing system	1 set.
9	In-Process Measuring Device	1 set.
10	Post-Process Measuring Device	1 set.

**\*\*If you need other optional extra outfits, please reply us.\*\***