



HUR – L – PT

Machine features

- 1.This CNC pipe thread lathe is newly designed.
- 2.The bed is made of original three-layer wall structure, and the rear wall is arranged with 12° slope. The width of the guide rail of the bed is 550mm. It is super-audio quenched and precision grounded to ensure the accuracy and service life of the machine.
- 3.The integral gearbox type spindle unit, two-speed inverter, steeples in the gear; the main motor is Beijing CTB spindle servo motor, which not only meets the requirements of thread finishing, but also achieves efficient cutting. It is completely different from the CNC lathe that has been modified on the basis of ordinary lathes.
- 4.The application of quenching precision grinding gears and high-quality bearings ensures that the machine noise is good.
- 5.The headstock adopts a strong external circulation cooling lubrication system, which not only reduces the temperature rise of the spindle, but also effectively keeps the headstock clean and lubricated.
- 6.The X and Z axes adopt high-precision ball screw direct drive and lead screw prestressed tension structure. The Z-axis screw nut hanger is an integral casting structure. The guide rail is attached with YT soft belt. The width of the bed saddle skateboard is 300mm and the length is 550mm. Generally, the size of this type of machine is 280 and 480mm, which improves the guiding precision and the precision of the machine tool, and effectively improves the service life of the machine.
- 7.The main drive gear of the machine tool is manufactured by SMTCL; the protective sheet metal is designed independently and made of standard cold-rolled steel plate.

Specification



Max.turning diameter of machine body	mm	630			1000		
Max.workpiece length	mm	1000	1500				
Max.turning diameter of tool holder	mm	350			615		
Width of Bed	mm	550			755		
Diameter range of pipe thread	mm	50-145	70-195	70-220	130--278	160-350	190-430
Spindle bore	mm	150	205	230	280	360	445
Front chuck	mm	Three-jaw manual chuck Φ400	Three-jaw manual chuck Φ500		Four-jaw manual chuck Φ800		
Back side chuck	mm						
Spindle speed	r/min	20~180/ 180~700	18-460		16-350	12-300	10-200 (Up to 300)
Main motor power	kw	11			22		
X-axis travel	mm	330			550		
Z-axis travel	mm	850	1200		1250		
Spindle center to Tool installation datum	mm	32			48		
Tool section size	mm	32x32			45x45		
Tool		Four-position electric tool holder					
Tailstock sleeve diameter	mm	100			140		
Tailstock sleeve travel	mm	250			300		
Tailstock hole taper	Mohs	5			6		
CNC Controller		GSK980 TC3			GSK980TDI		
Machine weight	Kg	4500	5000		10000	11000	15000
Dimension	mm	3140×1600×1690	3390×1600×1690		4700x2155x2090		
Cooling mode		External circulation cooling					
Main power supply							
Voltage	V	380					
Voltage fluctuation range		-10~+10					
Frequency	Hz	50±2					
Total capacity	KVA	25			32		

