



SH

MODELS SH 400 > SH 500

Large roughing CNC lathes with up to 4 axes.

The SH series of CNC lathes marks a milestone among flatbed numerical control machines. Parallel lathes with up to 4 axes that provide a record versatility within their segment without renouncing the precision and quality of finishes that have made Pinacho a reference in the world of machine tools.

SH parallel lathes have been designed with our most demanding customers in mind, using the highest quality components combined with the most innovative technology, the result of more than 70 years of experience.

Models with up to 4 CNC axes, 1050 mm turning on over bed and 5000 mm between centres.



STANDARD EQUIPMENT

- Fagor 8055T Control
- Dynamic graphics / trajectory
- Profile Editor
- Screen 11".
- Reducing bush of main shaft and dead centres
- Servomotor
- Gearbox 2 ranges
- 8-position automatic turret with 4 toolholders
- Remote jog unit
- Refrigeration equipment
- Cast iron pedestals
- Precision Levellers
- Work light
- Status signal light
- Instruction manual
- Verification standard DIN 8605
- CE Standard

OPTIONAL EXTRAS

- Fanuc Control Oi-TF, Siemens 828D
- Boring bar up to 310 mm
- C-axis
- Y-axis
- Automatic and live tool 8 or 12 positions VDI or BMT
- Chucks with 3 and 4 jaws
- Hydraulic chuck and tailstock
- Fixed steady rests of various capacities
- Follow Rest
- Hydraulic Steady Rest
- Electric transformer
- Rear chuck
- Support for boring bars
- Live center
- Higher pressure coolant pump
- Chip conveyor
- Anti-vibration kit
- Tool Presetter
- Electric panel cooler




TECHNICAL DATA SHEET

Working capacity		SH-400					SH-500				
Center distance	mm / in	1000/ 39 1/2	2000/ 78 3/4	3000/ 118	4000/ 157 1/2	5000/ 197	2000/ 78 3/4	3000/ 118	4000/ 157 1/2	5000/ 197	
Bed width	mm / in	425 / 16 3/4					500 / 20				
Centre height	mm / in	400 / 15 3/4					500 / 19 3/4				
Ø max. swing over bed	mm / in	805 / 31 3/4					1010 / 39 3/4				
Ø max. swing over carriage	mm / in	720 / 28 1/4					900 / 35 1/2				
Ø max. over cross slide	mm / in	510 / 20 1/4					710 / 28 1/4				
Cross slide travel	mm / in	400 / 15 3/4					400 / 15 3/4				
Longitudinal carriage travel	mm / in	1000/ 39 1/2	2000/ 78 3/4	3000/ 118	4000/ 157 1/2	5000 / 197	2000/ 78 3/4	3000/ 118	4000/ 157 1/2	5000/ 197	
Headstock											
Main motor power	kW	17					22				
Headstock main spindle bore Valid for all centre distances	mm / in	105 / 4	155 / 6	230 / 9		130 / 5	155 / 6	230 / 9	310 / 12 1/4		
Main spindle nose	ASA / CAM-LOCK	A2-8 / D1-8	A2-11 / --	A2-15 / --		A2-11 / --	A2-11 / --	A2-15 / --	A2-20 / --		
Main spindle nose taper	MT	5	5	6		6	5	6	6		
Speed ranges	Range I	0-424		0-288		0-217		0-260	0-240	0-203	0-149
	Range II	424-1700		288-1000		217-750		260-1400	240-1000	203-750	149-560
X-axis, Z-axis											
Working feeds Z	m/min	0 - 8,5									
Working feeds X	m/min	0 - 6									
Rapid traverse Z	m/min	10									
Rapid traverse X	m/min	7,5									
Z - Ball screw, Ø/pitch	mm	50/10									
X - Ball screw, Ø/pitch	mm	32/5									
Tailstock											
Tailstock barrel Ø	mm / in	106 / 4					120 / 4 1/2				
Tailstock barrel travel	mm / in	215 / 8 1/4					300 / 11 3/4				
Tailstock Morse taper	MT	6									
Turret											
Stations of standard turret		8									
Tool shank	mm	32x32									
Ø Boring bar	mm	50									
Dimensions and Weight											
Length	mm	3610	4610	5610	6610	7610	4610	5610	6610	7610	
Width	mm	2170					2190				
Height	mm	2090					2315				
Weight	kg	5460	5760	6460	7560	9060	6400	7600	8800	10000	
Options											
Fixed steady rest Ø	mm	90 - 300					10 - 380				
Large capacity fixed steady rest Ø	mm	300 - 530					370 - 730				
Follow rest Ø	mm	70 - 290					35 - 310				
Dimensions and weight with packaging											
Length (with transport cradle)	mm	4150	5150	6150	7150	8150	5150	6150	7150	8150	
Width	mm	2270					2290				
Height	mm	2290					2515				
Weight	kg	5810	6160	7110	8060	9610	6800	8050	9300	10550	

Note: The data is merely informative and subject to change according to the needs of the company.