

▶ 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 10".
- 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
- Tool Presetter
- Electric panel cooler



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					935 / 36 3/4			
Ø max. over cross slide	mm / in	515 / 20 1/4					718 / 28 1/4			
Cross slide travel	mm / in	400 / 15 3/4					500 / 19 1/4			
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/ 15 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	5	5	6	6		
Speed ranges	r.p.m.	0-1700	0-1000	0-750	0-1400	0-1000	0-750	0-560		

X-axis, Z-axis

Working feeds Z	Fagor	m/min	0 - 8.5				
	Fanuc	m/min	0 - 5				
	Siemens	m/min	0 - 8.5				
Working feeds X	Fagor	m/min	0 - 6				
	Fanuc	m/min	0 - 4				
	Siemens	m/min	0 - 6				
Rapid traverse Z	Fagor	m/min	10				
	Fanuc	m/min	6.5				
	Siemens	m/min	10				
Rapid traverse X	Fagor	m/min	7.5				
	Fanuc	m/min	5				
	Siemens	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	3290	4290	5290	6290	7290	4600	5600	6600	7600
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	mm	3490	4490	5490	6490	7490	4800	5800	6800	7800
Width	mm	2270					2290			
Height	mm	2290					2515			
Weight	kg	5810	6160	7110	8060	9610	6800	8050	9300	10550