

MODEL		ST 180		ST 225		ST 285	
SPECIFICATIONS		MM	INCH	MM	INCH	MM	INCH
Control- Siemens 828D Basic T		(Options:- Fagor 8055i & Fanuc Oi Mate- TD)				Digital CNC	
Centre distance		750 / 1000	30" / 40"	1000 / 1500	40" / 60"	1000 / 1500 / 2000 / 3000	40" / 60" / 80" / 120"
Centre Height		180	7"	225	9"	285	11"
Swing over bed		360	14"	450	18"	570	24"
Swing over carriage		300	12"	370	15"	490	21"
Swing over cross slide		190	7"	260	10"	360	16"
Cross slide travel		185	7 ¼"	235	9 ¼"	300	11 ¾"
Length of carriage		450	17 ¾"	485	19"	550	21 ¾"
Length of cross slide		500	19 ½"	500	19 ½"	600	23 ½"
Bed width		250	10"	300	12"	350	14"
Headstock Main spindle bore		42	1 ½"	65	2 ½"	80	3"
Main spindle nose / Camlock		A2 - 5 / 5		A2 - 6 / 6		A2 - 8 / 8	
Main spindle morse taper (MT)		4		5		5	
Speed range (rpm)		0- 4000		0- 3000		0- 2500	
Working feed Z,X (mm/min)		0 - 7500		0 - 7500		0 - 7500	
Rapid traverse Z (m/min)		12		12		12	
Rapid traverse X (m/min)		15		15		15	
Z - axis ball screw Ø		40/10		40/10		40 / 10	
X - axis ball screw Ø		20/5		20/5		20 / 5	
Tail stock barrel Ø		58	2 ¼"	68	2 ½"	95	3 ¾"
Tail stock barrel travel		180	7"	200	7 ¾"	220	8 ½"
Tail stock morse taper (MT)		4		4		5	
Number of stations		8		8		8	
Tool sank ☑		20	3/4"	25	1"	25	1"
Boring bar		32	1 ¼"	40	1 ½"	40	1 ½"
Position Accuracy		0.01		0.01		0.01	
Repeatability		0.01		0.01		0.01	
Fixed Steady capacity		125	4 ¾"	145	5 ½"	185	7 ¼"
Follow Rest capacity		90	3 ½"	95	3 ¾"	130	5"
Main Motor Power (kw)		7.5		9		11	
Pump Motor Power (kw)		0.37		0.37		0.37	
Discharge (lpm)		25		25		25	
Capacity of coolant tank (lts)		42 / 55		67 / 92		81 / 111 / 151 / 201	
Overall dimensions (mm)	Length	2250 / 2500		2800 / 3300		2800 / 3325 / 3850 / 4750	
	Width	1115		1215		1350 / 1450	
	height	1630		1750		1810 / 1875	
	Weight (kg)	1200 / 1490		1400/1680		2250 / 2475 / 2970 / 3640	
Acceptance Accuracy		DIN 8605		DIN 8605		DIN 8605	

Specifications subject to change without notice. Not responsible for typographical error. Machines are shown with optional equipment.

MODEL		ST 310				ST 400						ST 500									
		MM		INCH		MM			INCH			MM			INCH						
Control- Siemens 828D Basic T		(Options:- Fagor 8055i & Fanuc Oi Mate- TD)														Digital CNC					
Centre distance		1000 / 1500 2000 / 3000		40" / 60" 80" / 120"		1000/2000/3000 4000/5000			40" / 80" / 120" 157" / 197"			2000 / 3000 4000 / 5000			80" / 120" 157" / 197"						
Centre Height		310		12"		400			16"			500			20"						
Swing over bed		620		24"		805			32"			1010			40"						
Swing over carriage		540		21"		720			28"			935			37"						
Swing over cross slide		410		16"		515			20"			718			28"						
Cross slide travel		310		12"		400			16"			500			20"						
Length of carriage		550		21 ¾"		900			35"			850			33"						
Length of cross slide		600		23 ½"		750			30"			950			37"						
Bed width		350		14"		425			17"			500			20"						
Headstock Main spindle bore		105	155	4"	6"	105	155	230	4"	6"	9"	130	230	310	5"	9"	12"				
Main spindle nose / Camlock		A2 - 8 / 8		A2 - 11 / 11		A2-8/8		A2-11/11		A2-15/15		A2-11/11		A2-15/15		A2-20/20					
Main spindle morse taper (MT)		5		5		5		5		6		5		6		6					
Speed range (rpm)	Range I	0-2500		0-300		0-425		0-300		0-250		0-280		0-300		0-150					
	Range II	-		300-1000		425-1700		300-1000		250-750		280-1400		300-750		150-560					
Working feed Z,X (mm/min)		0 - 7500				0-7000						0-7000									
Rapid traverse Z (m/min)		12				10						10									
Rapid traverse X (m/min)		15				10						10									
Z - axis ball screw Ø		40/10				50/10						50/10									
X - axis ball screw Ø		20/5				32/5						32/5									
Tail stock barrel Ø		95		3 ¾"		96		4"		120				5"							
Tail stock barrel travel		220		8 ½"		215		9"		300				12"							
Tail stock morse taper (MT)		5				6						6									
Number of stations		8				8						8									
Tool sank ☑		25		1"		32		1¼"		32				1¼"							
Boring bar		40		1 ½"		50		2"		50				2"							
Position Accuracy		0.01				0.01						0.01									
Repeatability		0.01				0.01						0.01									
Fixed Steady capacity		185		7 ¼"		300		11 ¾"		380				15"							
Follow Rest capacity		130		5"		290		11 ½"		310				12 ¼"							
Main Motor Power (kw)		11				17						22									
Pump Motor Power (kw)		0.37				0.57						0.57									
Discharge (lpm)		25				50						50									
Capacity of coolant tank (lts)		81 / 111 / 151 / 201				130 / 180 / 225 / 300 / 350						200 / 250 / 300 / 350									
Overall dimensions (mm)	Length	2800 / 3325 / 3850 / 4750				3360 / 4630 / 5530 / 6630 / 7630						4325 / 5325 / 6325 / 7325									
	Width	1350 / 1450				1800						2300									
	height	1810 / 1875				2230						2250									
	Weight (kg)	2300 / 2515 / 3010 / 3700				5460 / 5760 / 6460 / 7560 / 9060						6400 / 7600 / 8800 / 10000									
Acceptance Accuracy		DIN 8605				DIN 8605						DIN 8605									

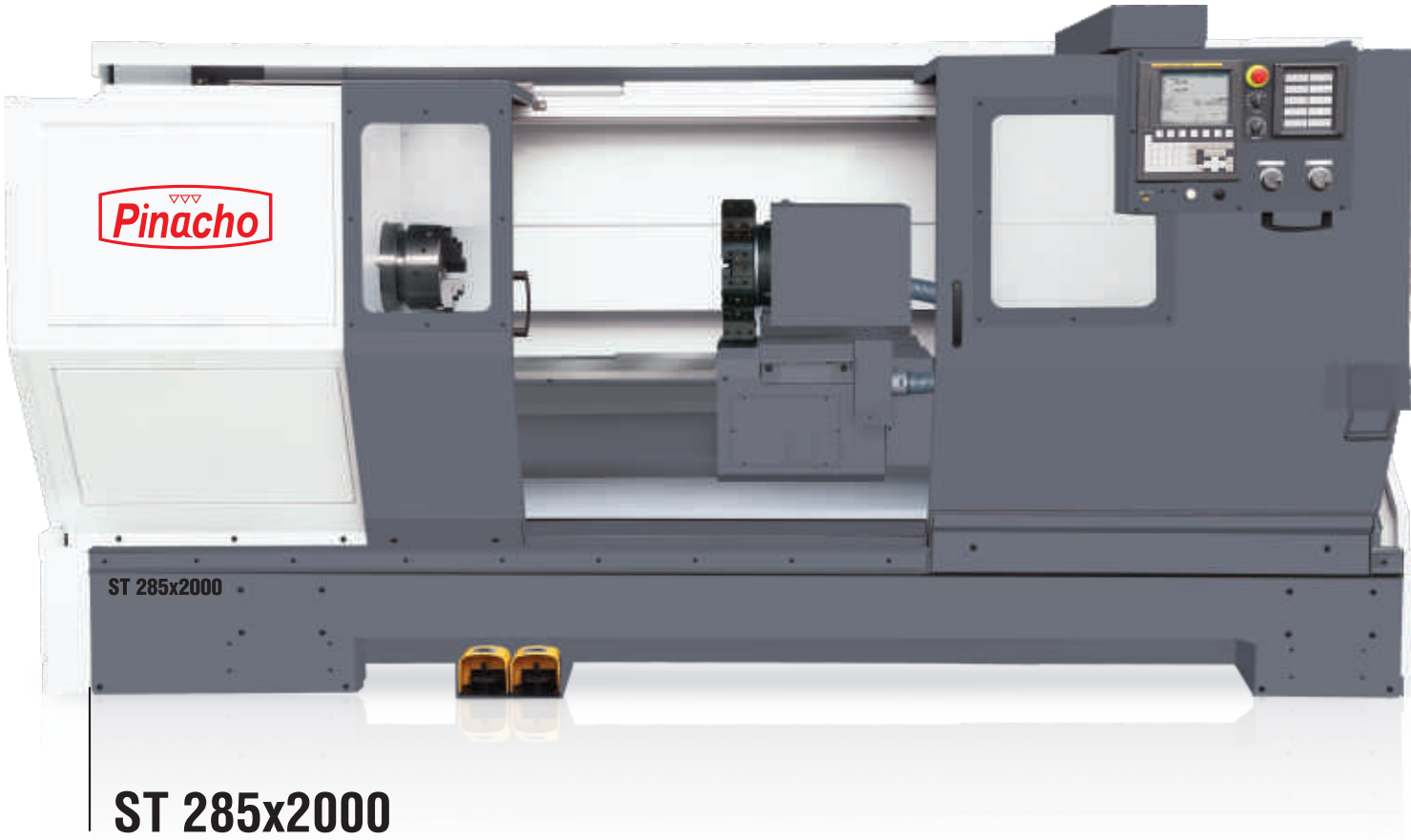
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**PINACHO**  
FABRICA DE MAQUINAS-HERRAMIENTAS  
PARTIDA DE LA SIERRA S/N, 22310 CASTEJON DEL PUENTE (HUESCA), SPAIN  
Phone : +34 974 401650 +34 974 416930| Fax: +34 974 401654, +34 974 417733  
E-mail : europe@pinacholathescnc.com | Web : www.pinacholathescnc.com

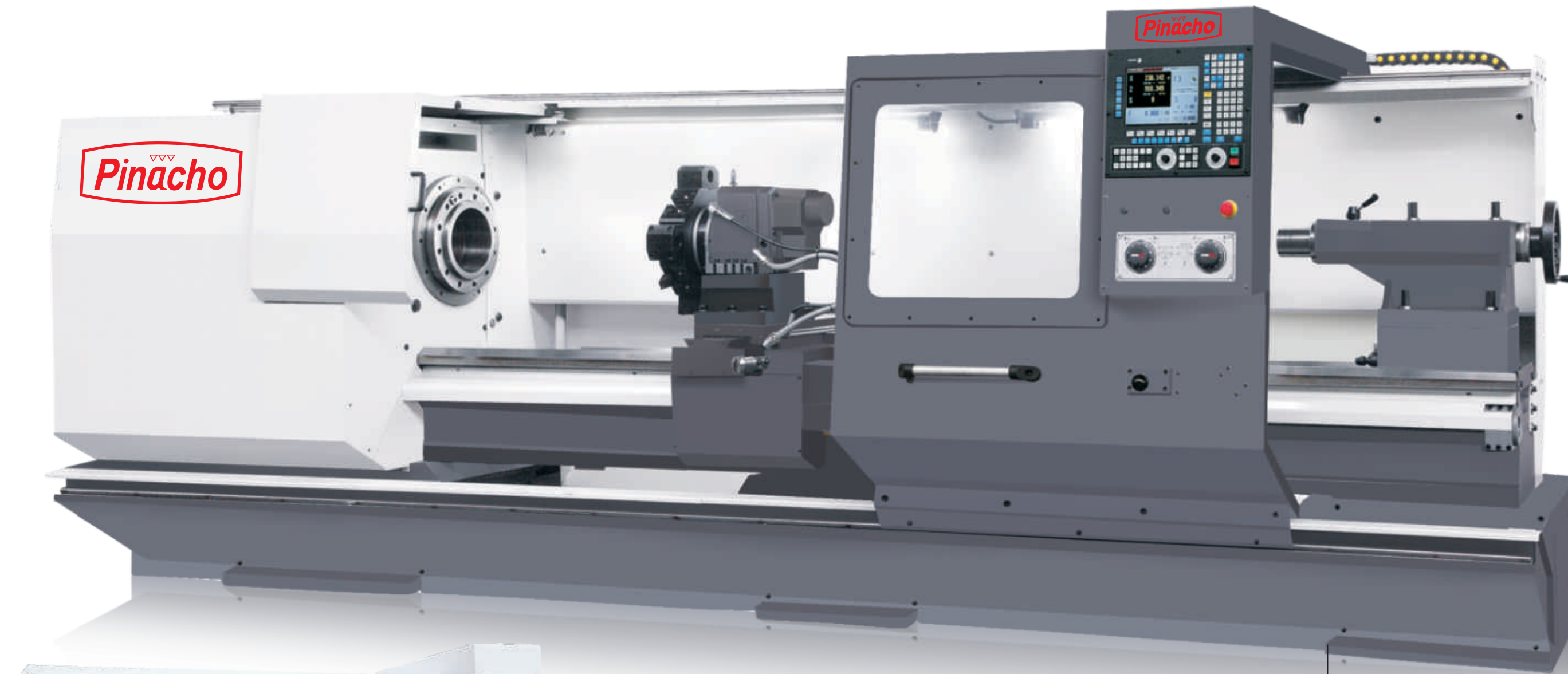


NEW SERIES ST



CNC LATHE





ST 400 x 3000



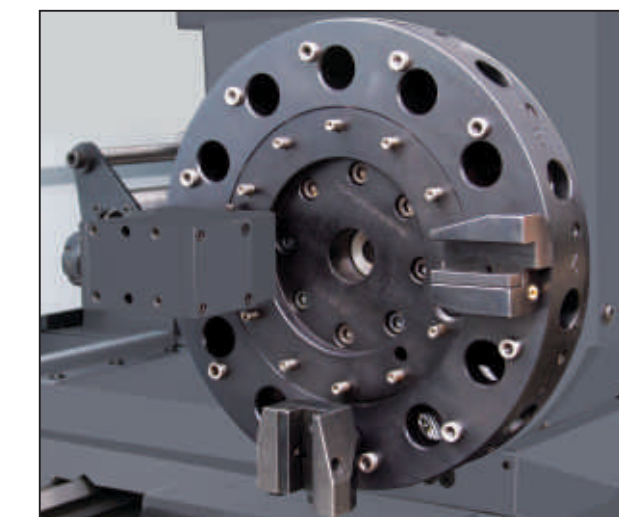
ST 180 x 750

### Description

The new range of ST series CNC lathes are designed to satisfy the most of the customer needs and demands. The machines are manufactured with the best quality components and materials. Our machines are distinguished for its rigidity, accuracy & flexibility for turning all kind of parts which are simpler, complex in nature as well as precise. Due to its ease of use and flexibility, you can adapt our machines with any accessories like different Chuck Sizes, Live Tool Turret, Larger Spindle Bore, Hydraulic Steady rest and parts collector. We are ready to offer any kind of customised solutions. We are constantly working towards satisfying our customer needs and provide all kind of best turning solutions.



ST 225 x 1000



Live Tool Turret

### Standard Accessories

- Automatic 8 stations Turret with 4 tool holders
- Dynamic solid and trajectory graphics
- Profile editor
- Electronic handwheel for the X and Z axis
- Servo spindle motor
- Enclosure as per CE regulations
- Chip collecting tray
- Coolant equipment
- Automatic lubrication for the slide ways
- Main spindle reducing bush and fixed centre
- Work light
- Levelling plates
- Instruction manual
- C E Compliant