

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									
SPECIFICATIONS	MM	INCH	MM	INCH	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							

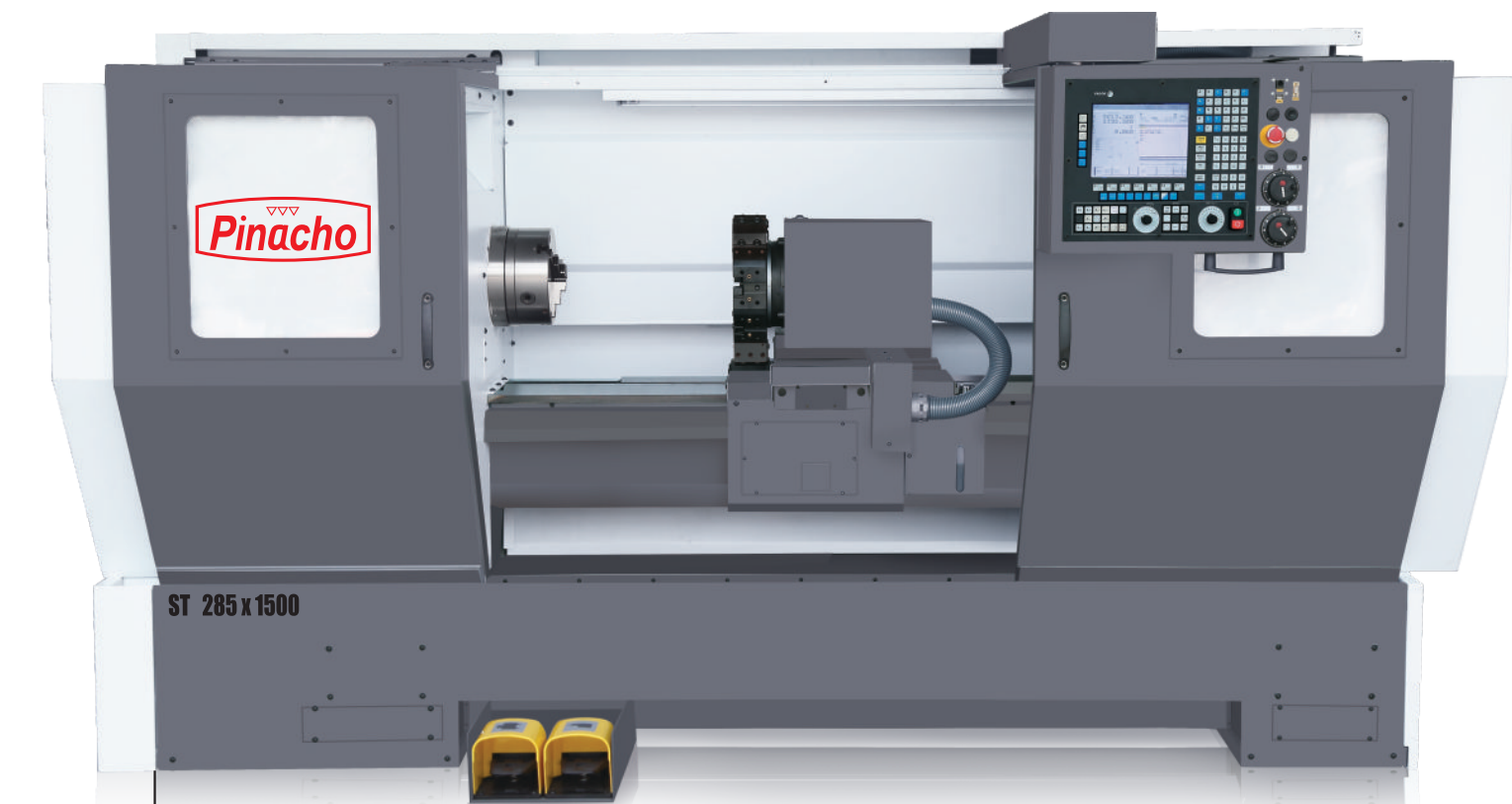
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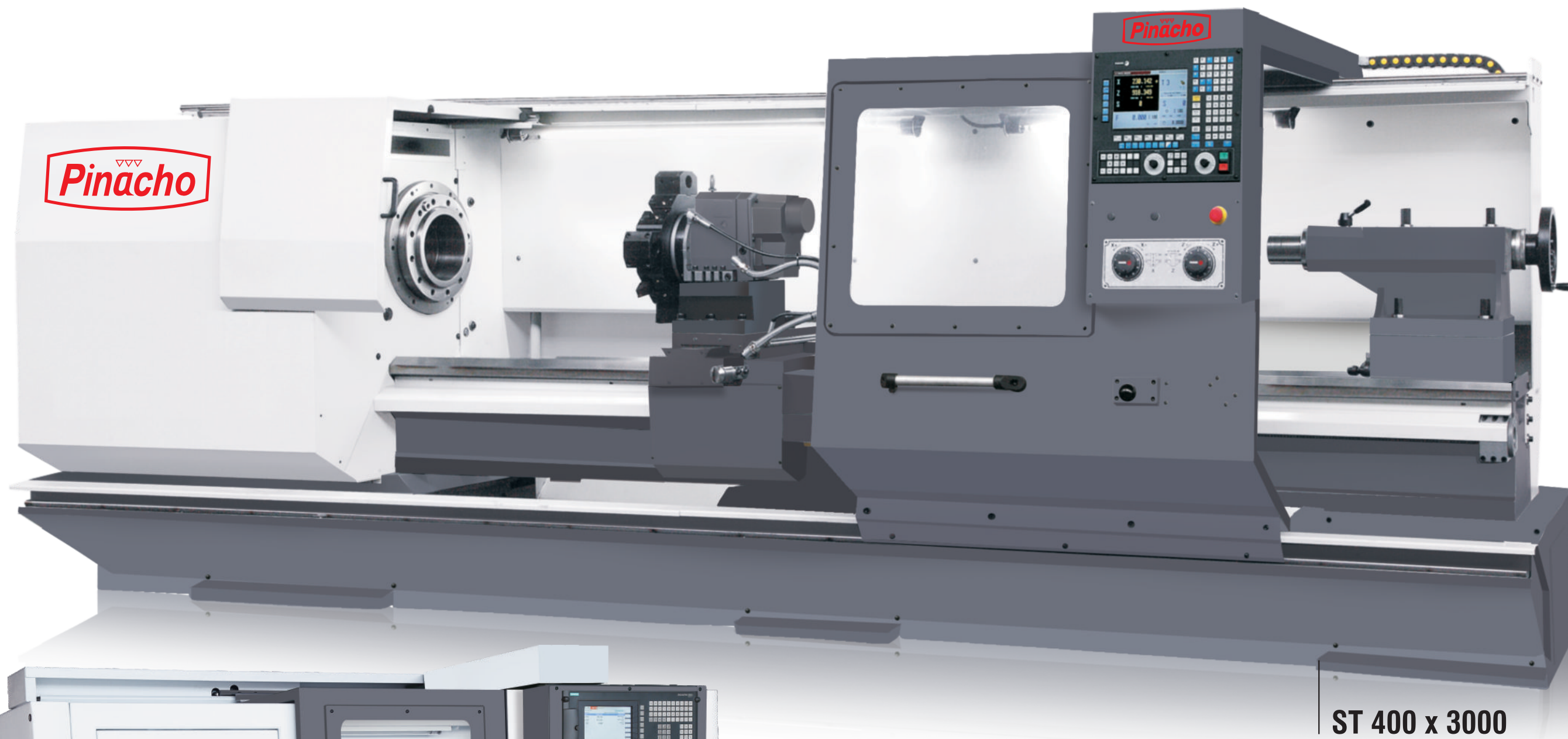
## NEW SERIES ST



ST 285 x 1500

CNC LATHE



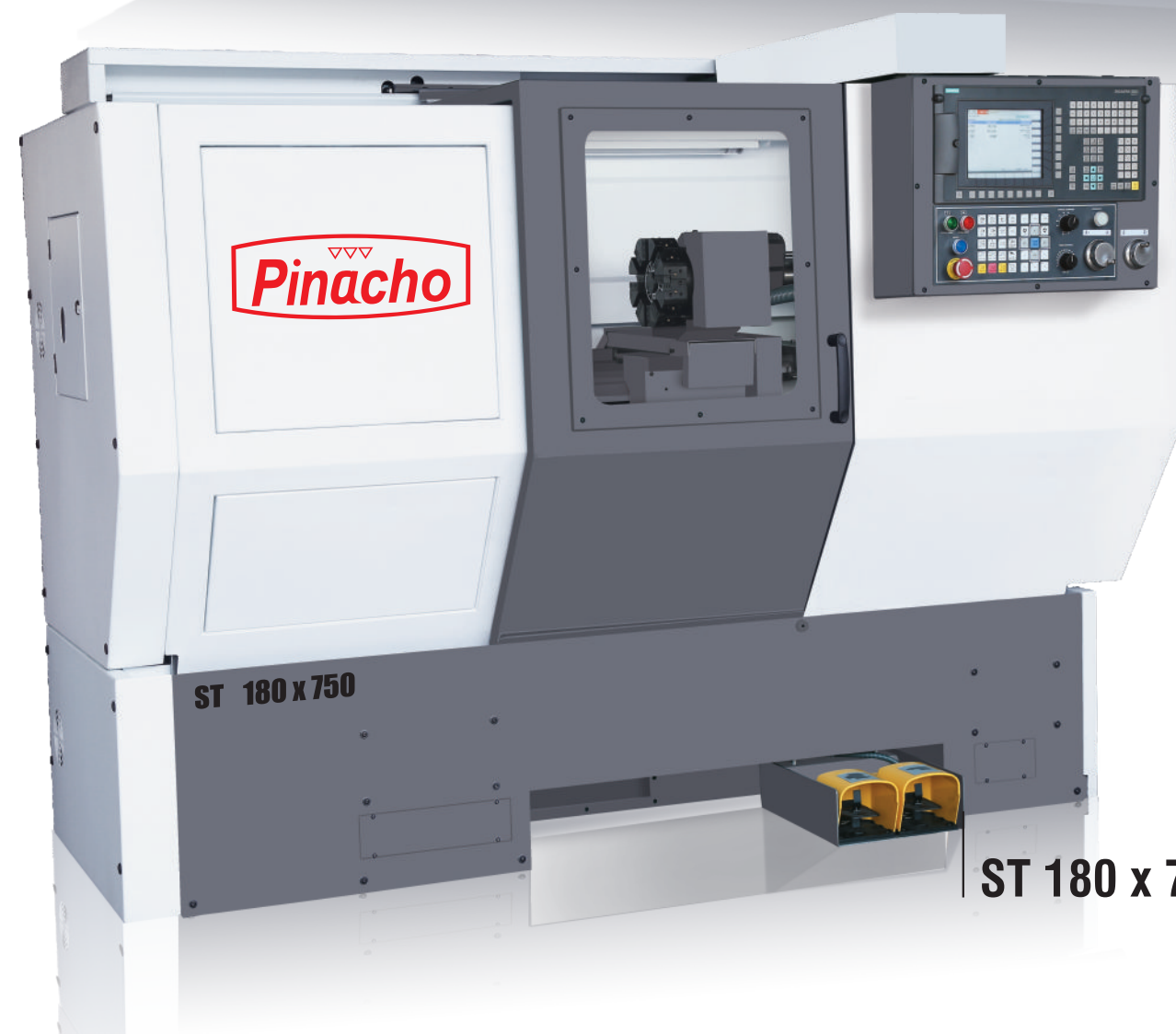


ST 400 x 3000



ST 225 x 1000

ST 225 x 1000

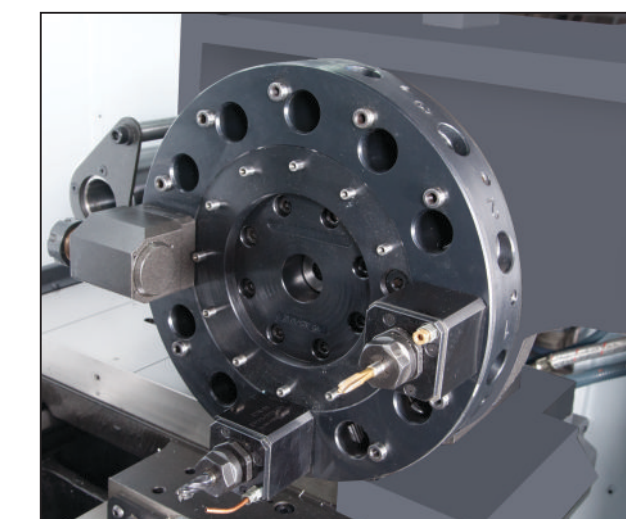


ST 180 x 750

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.



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
- Partial and Complete enclosure
- 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

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