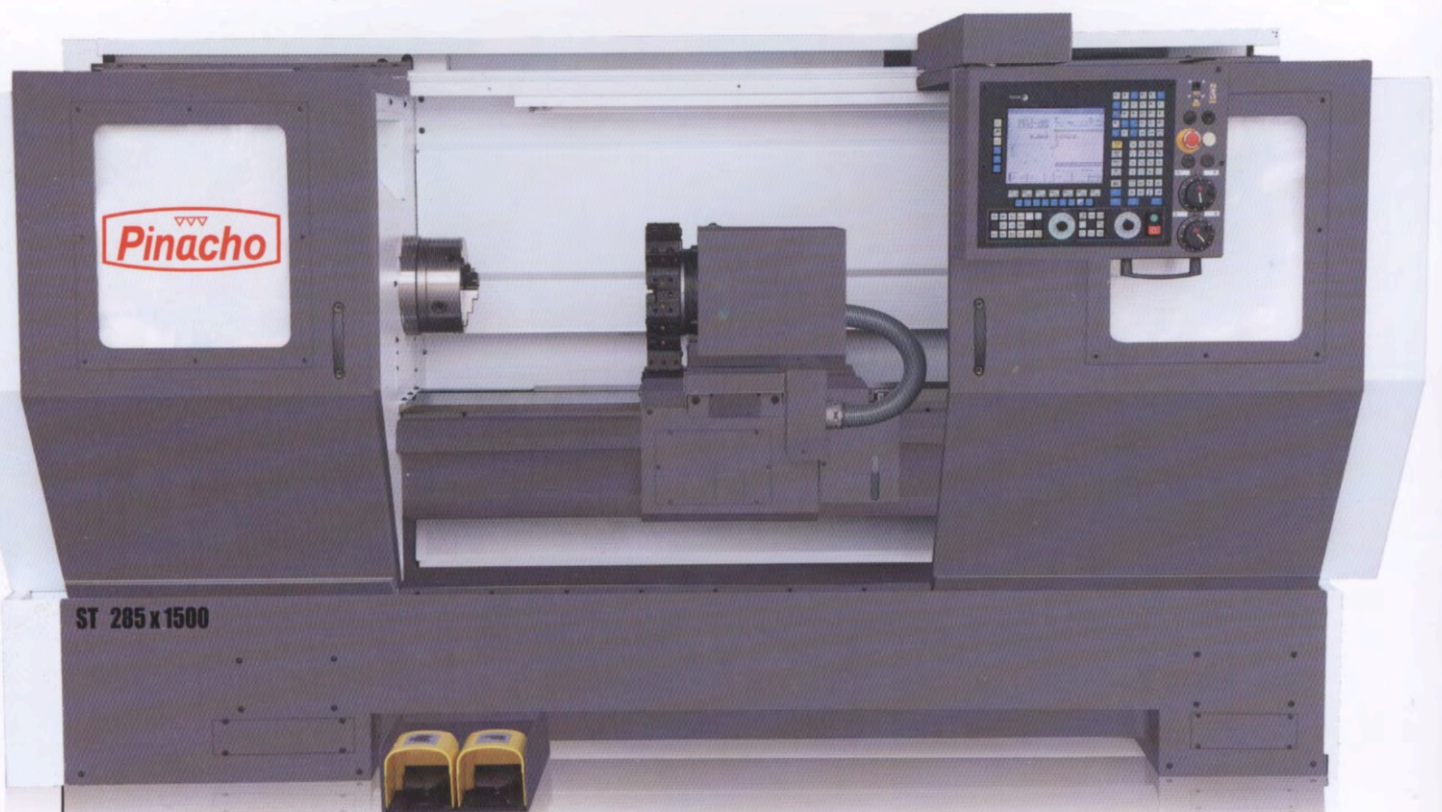




NEW SERIES ST



ST 285 x 1500

ST 285 x 1500

CNC LATHE

| 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

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