















Technical Data Sheet

CNC Tube Bending Machines	 TUBOTRON 20	 TUBOTRON 25	 TUBOTRON 30	 TUBOTRON 50	 TUBOTRON 50 (servo technique)	 TUBOTRON 90	 TUBOTRON 170
Max. tube diameter (OD)	20 mm	25 mm	30 mm	50 mm	50 mm	90 mm	170 mm
Max. bending radius (CLR) ¹	100 mm	150 mm	200 mm	150 mm	150 mm	250 mm	510 mm
Max. tube feed rate	2200 mm/s	1600 mm/s	1600 mm/s	360 mm/s	700 mm/s	420 mm/s	410 mm/s
Max. rotation speed	880°/s	360°/s	360°/s	70°/s	120°/s	90°/s	50°/s
Max. bending speed	450°/s	150°/s	150°/s	43°/s	43°/s	43°/s	11,5°/s
Positioning accuracy	± 0,05° [mm]	± 0,05° [mm]	± 0,05° [mm]	± 0,1° [mm]	± 0,05° [mm]	± 0,1° [mm]	± 0,1° [mm]
Dimensions (LxWxH) ²	2800 x 860 x 1170 mm	2800 x 860 x 1200 mm	4700 x 860 x 1100 mm	5100 x 900 x 1200 mm	5100 x 900 x 1200 mm	5300 x 1200 x 1350 mm	9500 x 2500 x 1500 mm
Weight, approx. ²	1200 kg	1500 kg	1500 kg	2000 kg	2000 kg	3800 kg	16000 kg
Operating voltage ³	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.
Power requirement	15 kW	15 kW	15 kW	6,0 kW	22 kW	26 kW	50 kW

1-Axis-controlled Tube Bending Machines	 TUBOMAT 642 (648)	 TUBOBEND 20	 TUBOBEND 30	 TUBOBEND 42 (48)	 TUBOBEND 50	 TUBOBEND 80	 TUBOBEND 90
Max. tube diameter (OD)	42 (48) mm	20 mm	30 mm	42 (50) mm	50 mm	80 mm	90 mm
Max. bending radius (CLR) ¹	90 (145) mm	45 mm	90 mm	90 (150) mm	150 mm	200 mm	250 mm
Max. bending speed	20°/s	90°/s	45°/s	20°/s	32°/s	20°/s	16°/s
Positioning accuracy	± 0,2°	± 0,2°	± 0,2°	± 0,2°	± 0,1°	± 0,1°	± 0,1°
Dimensions (LxWxH) ²	2350 x 750 x 1200 mm	1700 x 720 x 1170 mm	2200 x 600 x 1100 mm	2300 x 800 x 1200 mm	4115 x 850 x 1150 mm	4115 x 850 x 1200 mm	5300 x 1300 x 1450 mm
Weight, approx. ²	600 kg	150 kg	475 kg	350 (450) kg	1450 kg	1600 kg	2400 kg
Operating voltage ³	400 V, 50 Hz, 3 ph.	230 V, 50 Hz, 1 ph.	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.	400 V, 50 Hz, 3 ph.
Power requirement	1,5 (1,7) kW	0,75 kW	1,5 kW	1,5 (1,7) kW	4,0 kW	6,0 kW	12 kW

1) depends on tube OD

2) at minimum tube length over mandrel

3) other voltage on request

Subject to technical alteration • 2006-03



THE ONLY CHOICE FOR PERFECT PIPE INSTALLATION

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Practical Applications

... of the Tracto-Technik tube bending technique. Our machines are designed for the cold bending of many materials in the most different cross sections, e.g. round, square and oval tubes, solid bars and flat bars, profiled tubes.



Steel pipe
13 x 1,5 mm,
bent on TUBOTRON 20



Square pipe
20 x 1 mm,
bent on TUBOBEND 30



Brass tube
12 x 1 mm,
bent on TUBOBEND 20



Profiled pipe
30 x 20 x 1,5 mm,
bent on TUBOBEND 48



Boiler tube
8 mm Ø,
bent on TUBOBEND 20



Profiled aluminium bar,
bent on
TUBOBEND 30



Stainless steel pipe
60,3 x 2 mm,
bent on TUBOBEND 80



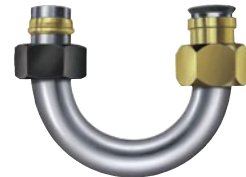
Stainless steel pipe
48,3 x 2 mm,
bent on TUBOBEND 50



Welded gas pipe
25 x 1,5 mm,
bent on TUBOTRON 30



Aluminium pipe
42 x 3 mm,
bent on TUBOTRON 50



Hydraulic tube 42 x 3 mm,
completely processed
with the TUBOMAT 642



Stainless steel pipe
30 x 1,5 mm,
bent on TUBOTRON 30



Oval pipe
30 x 15 x 2 mm,
bent on TUBOMAT 642



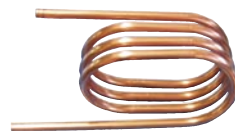
Solid steel bar
10 mm Ø,
bent on TUBOBEND 20



Square tube
20 x 20 x 2 mm,
bent on TUBOBEND 50



CuNiFe pipe
42 x 2 mm,
bent on TUBOTRON 50



Copper tube
8 x 1,5 mm,
bent on TUBOBEND 20



Square pipe
80 x 40 x 3 mm,
bent on TUBOBEND 80



Stainless steel pipe
76,1 x 1,5 mm,
bent on TUBOTRON 90



Brass pipe
42 x 1,5 mm,
bent on TUBOBEND 50



Steel pipe
88,9 x 14 mm,
bent on TUBOTRON 90



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