









Technical Data




TUBOTRON · TUBOBEND · TUBOMAT: 1-axis-controlled and fully-automatic controlled tube/pipe bending machines for single-piece and series production of pipes up to 90 mm Ø

Fully-automatic multi-axes-controlled pipe bending machines	 TUBOTRON 20	 TUBOTRON 30	 TUBOTRON 50	 TUBOTRON 90
Max. tube/pipe diameter	20 mm	30 mm	50 mm	90 mm
Max. bending radius	100 mm	200 mm	150 mm	250 mm
Effective bending angle	180°	180°	180°	180°
Tube/pipe lengths	1500 / 3000 / 4500 / 6000 mm	1500 / 3000 / 4500 / 6000 mm	3000 / 4500 / 6000 mm	3000 / 4500 / 6000 mm
Tube/pipe feedrate	2200 mm/s	1670 mm/s	360 (700 ¹⁾ mm/s	420 mm/s
Bending speed	450°/s	150°/s	43°/s	43°/s
Rotation speed	880°/s	360°/s	60 (120 ¹⁾ °/s	90°/s
Dimensions (LxWxH)	2800 x 860 x 1170 mm	2800 x 860 x 1100 mm	5100 x 860 x 1180 mm	5300 x 1200 x 1350 mm
Weight (at min. length)	ca. 1150 kg	ca. 1500 kg	ca. 2000 kg	ca. 3800 kg
Operating voltage	400 V, 50 Hz, 3 phases	400 V, 50 Hz, 3 phases	400 V, 50 Hz, 3 phases	400 V, 50 Hz, 3 phases
Power requirements	15 kW	15 kW	6 (22 ¹⁾ kW	26 kW

¹⁾ with servo-technique

1-axis-controlled pipe bending machines	 TUBOBEND 20	 TUBOBEND 30	 TUBOBEND 50	 TUBOBEND 80
Max. tube/pipe diameter	20 mm	30 mm	50 mm	80 mm
Max. bending radius	45 mm	90 mm	150 mm	200 mm
Effective bending angle	180°	180°	180°	180°
Tube/pipe lengths	1500 / 3000 / 4500 / 6000 mm	1500 / 3000 / 4500 / 6000 mm	3000 / 4500 / 6000 mm	3000 / 4500 / 6000 mm
Bending speed	90°/s	45°/s	32°/s	20°/s
Dimensions (LxWxH)	900 (1800 ²⁾ x 720 x 1170 mm	2200 x 610 x 1150 mm	4115 x 1150 x 850 mm	4115 x 1150 x 850 mm
Weight (at min. length)	ca. 150 kg	ca. 475 kg	ca. 1450 kg	ca. 1500 kg
Operating voltage	230 V, 50 Hz, 1 phase	400 V, 50 Hz, 3 phases	400 V, 50 Hz, 3 phases	400 V, 50 Hz, 3 phases
Power requirements	0,75 kW	1,5 kW	4 kW	6 kW

²⁾ as mandrel bender

1-axis-controlled pipe bending machines	 TUBOMAT 642	 TUBOMAT 648	 TUBOBEND 48
Max. tube/pipe diameter	42 mm	50 mm	50 mm
Max. bending radius	90 mm	145 mm	145 mm
Effective bending angle	180°	180°	180°
Tube/pipe lengths	1500 / 3000 / 4500 / 6000 mm	1500 / 3000 / 4500 / 6000 mm	1500 / 3000 / 4500 / 6000 mm
Bending speed	20°/s	20°/s	20°/s
Dimensions (LxWxH)	2350 x 750 x 1200 mm	2350 x 850 x 1200 mm	2300 x 800 x 1200 mm
Weight (at min. length)	ca. 600 kg	ca. 600 kg	ca. 450 kg
Operating voltage	400 V, 50 Hz, 3 phases	400 V, 50 Hz, 3 phases	400 V, 50 Hz, 3 phases
Power requirements	1,5 kW	1,7 kW	1,7 kW

Subject to change • Edition 08/2004 E



*The only choice
for a perfect
pipe installation.*

TRACTO-TECHNIK GmbH

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Practical Applications

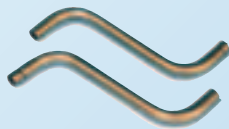
... of the TRACTO-TECHNIK tube/pipe bending technique. Our machines are designed for the cold bending of most materials and cross-sections, i. e. round, square and oval tubes/pipes, solid bars, flat bars, profiled tubes/pipes, wire - and many others more.



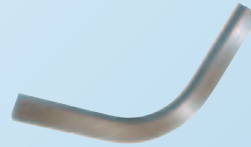
Steel pipe 13 x 1,5 mm,
bent on
TUBOTRON 20



Square pipe 20 x 1 mm,
bent on
TUBOBEND 30



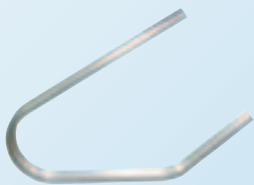
Brass pipe 12 x 1 mm,
bent on
TUBOBEND 20



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



Hydraulic tube 8 x 1 mm,
bent on
TUBOBEND 20



Profiled aluminium bar,
bent on
TUBOBEND 30



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



Hydraulic tube 18 x 2 mm,
bent on
TUBOBEND 30



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



Aluminium pipe 42 x 3 mm,
bent on
TUBOTRON 50



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



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



Hydraulic tube 42 x 3 mm,
completely processed on
TUBOMAT 642



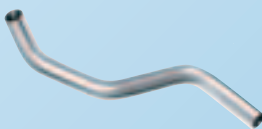
Aluminium pipe 25 mm Ø,
bent on
TUBOBEND 50



Boiler pipe 8 mm Ø,
bent on
TUBOBEND 20



CuNiFe pipe 42 x 2 mm,
bent on
TUBOTRON 50



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



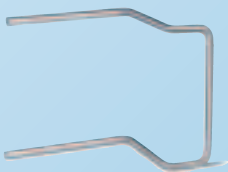
Square pipe 80 x 40 x 3 mm,
bent on
TUBOBEND 80



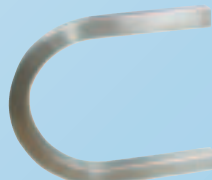
Insulated aluminium bar,
12 mm Ø,
bent on TUBOBEND 20



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



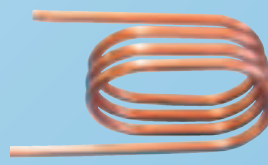
Solid steel bar 10 mm Ø,
bent on
TUBOBEND 20



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



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



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



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



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