

# RB30-M CNC controlled standard bending machine



Control pendant



Bend head



Bend tooling

## Technical details:

Machine capable of Right or Left bending, easy user change over

Maximum repeatability through servo drive technology

Clamp, follower, and collet actuation pneumatic or servo driven

Push bending with 3 tons force for roll bending with 1 m/s speed

Servo drives are low maintenance, quiet and power saving.

Passive or active pushing follower

Mandrel bending with three free programmable servo driven axis (available with tube ID lubrication). Special tooling typically allows for bending without mandrel.

Free programmable Y- axis

CNC control with SPS, interface via touch screen, program Windows® based

Program modes available: Automatic, Manual, Single-Step, Program, Diagnostics

Offline programming possible with remote software

Servo drive controllers allow reproducible and consistent execution of pre-programmed speeds, ensuring maximum control over part specific material properties.

Extensive diagnostics integrated in machine control

Bending of infinite tube length possible through repetitive feed

Easy transportation due to compact design w/o any hydraulics.

Compact design, small foot print

Change-over time typically less than 5 minutes

10-15% cycle time reduction through controllers "Start only" multiplex feature

CMM interface with automatic bend parameter correction

## Technical standard specifications:

Machine axis travel	X-axis: ± 180 mm Y-axis: stroke 260 mm Z-axis: stroke max. 1100 mm
Radii available:	3
Bend direction:	Left or Right
Max. Bend capacity:	Ø30 x 3.0 mm /low carbon steel
Bend angle:	max. 200°
Follower thrust	pneumatic: 0.18 tons Servo driven: 0.39 tons
Self retracting follower	pneu.: 1.8 kN (6 bar) / servo: 5.9 kN
Follower	pneu.: 3.6 kN (6 bar) / servo: 5.9 kN
Clamping:	pneu.: 3.6 kN (6 bar) / servo: 10.6 kN
Tube collet clearance:	35 mm
Axis speeds:	Feed: max. 1100 mm/sec Bend: max. 540°/ sec Rotation: max. 800°/ sec
Bend Radius:	125 mm center line
Repeatability:	Bending/ Rotation ±0.05° Feed ± 0.05 mm
Power supply:	3 x 400V/50Hz3-ph, fuse 63A
Pneumatic supply:	6-8 bar, approx 100l/min
Dimensions (LxWxH): with mandrel:	approx 2600 x 1200 x 1800 approx 3300 x 1200 x 1800
Weight:	approx. 1000 kg/ 2200 lbs



Suitable for tube max. OD 30 x 3.0 mm, multiple bends, lengths, and rotations on three different layers for different bend radii

## Rosenberger Aktiengesellschaft

Am Häuslerain 16, D-79263 Simonswald

Telefon: +49(0)7683-91900-0, Telefax: +49(0)7683-91900-29

E-mail: Info@RosenbergerAG.com www.RosenbergerAG.com