



Suitable for tube max. OD 30 x 3.0 mm, multiple bends, lengths, and rotations on six different layers for different bend radii, with three bend layers right and left possible in one bend cycle.

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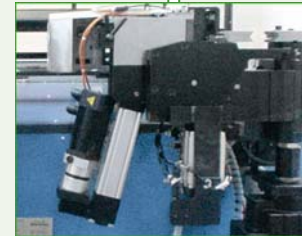
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RB30-LR

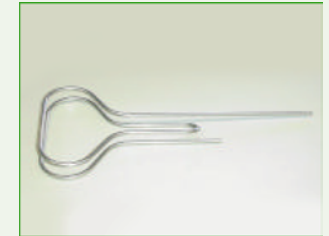
CNC controlled standard bending machine



Control pendant



Bend head



Sample

Technical details:

Machine capable of Right and Left bending

Maximum repeatability through servo drive technology

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 drives are low maintenance, quiet and power saving.

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

Self retracting follower

Mandrel bending with servo driven synchro retract (available with tube ID lubrication). Special tooling typically allows for bending without mandrel.

Change-over time typically less than 10 minutes

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

CMM interface with automatic bend parameter correction

Capable of roll bending though addition of roll bend unit in machine center

Technical standard specifications:

Tube feed:	X-axis: +/-708 mm Y-axis: stroke 260 mm Z-axis: stroke 1100 mm X-axis: 230 mm
Mandrel	
Radii available:	3/6
Bend direction:	Left and Right
Bend capacity:	Ø30 x 3.0 mm /low carbon steel Ø35mm maximum
Bend angle:	max. 200°
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
Axis speeds:	Feed: max. 1100 mm/sec
(Values only for Lenze drives with feed belt)	Bend: max. 540°/ sec Rotation: max. 800°/ sec
Bend Radius:	min. 0mm inside max.140 mm outside (larger with extended configuration)
Repeatability:	Bending/ Rotation ±0.05° Feed ± 0.05 mm
Power supply:	400V/50Hz3-ph, 5..20kVA
Pneumatic supply:	6-8 bar, approx 100l/min
Dimensions (LxWxH):	approx. 2600 x 2250 x 1900 mm
With mandrel	approx. 3300 x 2250 x 1900 mm
Weight:	approx. 1200 kg/ 2650 lbs

Available options:

Remote programming software
 CMM interface
 Remote diagnostics software interface
 Central lubrication
 Mandrel bending