



Suitable for tube max. OD 20 x 1.5 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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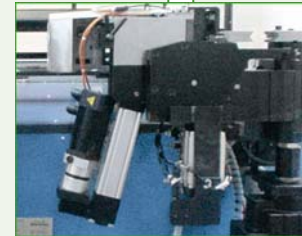
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RB20-LR

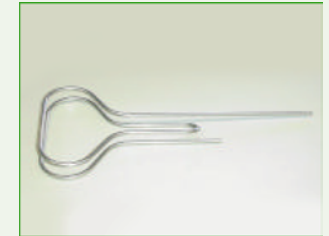
CNC controlled standard bending machine



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 5 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:

Axial tube feed:	1000 mm
Radii available:	3/6 bis zu 2 x 9
Bend direction:	Left and Right
Max. Bend capacity:	Ø20 x 1.5 mm /low carbon steel
Bend angle:	max. 210°
Axis speeds:	Feed: max. 1500 mm/sec (Values only for Lenze drives with feed belt)
	Bend: max. 450°/ sec Rotation: max. 800°/ sec
Bend Radius:	57 mm center line
Repeatability:	Bending/ Rotation ±0.05° Feed ± 0.05 mm
Power supply:	400V/50Hz3-ph, 16A resp. 32A fuse
Pneumatic supply:	6-10 bar, approx 100l/min
Dimensions (LxWxH):	approx. 2400 x 1600 x 1800 mm
Weight:	approx. 1000 kg

Available options:

Collision simulation software
 Remote programming software
 CMM interface
 Remote diagnostics software interface
 Central lubrication
 Mandrel bending
 Protective sliding cover