

RRB-42

CNC controlled roll bending machine



For tubes up to Ø 42 x 4.5 mm to produce tube coils, for example for heat exchangers



Automation with robot



Tube transport and rotation unit



Finished heat exchanger sample

Technical details:

The roll bending machine is designed to produce tube coils in free definable coil OD's and coil pitch.

The machine is capable of conventional bending using a bend die, and using roll/ push bending to generate variable radii within one bend cycle.

Bending is performed without mandrel.

Inlet and exit tube configurations can be added with free definable rotation.

Available options:

Fully automated tube welding and cut-off unit.
 This option allows for continuous bending of large size tube bar stock without cycle interruptions, minimizing scrap.

Available safety features:

Complete machine safety enclosure

Technical standard specifications:

Coil outside diameter:	min 100 mm/ max. 2500 mm
Tube feed length:	infinite
Bend angle:	90°... + 90° roll/ push bending
Speeds (max.):	Tube feed 200 mm/sec Rotation 40°/ sec
Repeatability:	Tube feed ± 0.1 mm Rotation ± 0.1°
Bend radii:	60 mm; 270 mm inside to 955 mm outside
Power supply:	400V/ 50Hz 3-phase; 3.7 KVA
Pneumatic supply:	6 bar, approx. 10 l/min
Control voltage	24 VDC
Dimensions (LxWxH):	approx. 3500 x 2000 x 3000 mm
Weight:	approx. 2500 kg/ 5500 lbs (without accessories)

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