



GELBER BIEGER

World of bending

Tube bender **ERB 16/27 NC**





TUBE BENDER ERB 16/27 NC

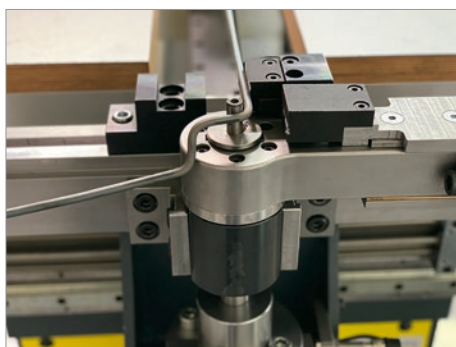
The ERB 16/27 tube, profile and wire bending machine is our flagship bending machine. This machine has 2 bending heads to always accommodate your applications.

Bending head 1 is that of the HRB16 with the same characteristics. Bending head 2 enables bending of tube Ø up to 28 mm. The special feature here is not only the power but also the quick changeover from right to left bending.

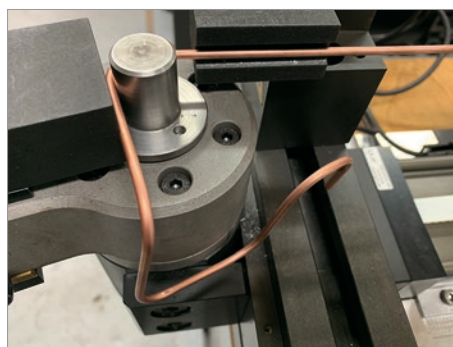
This model is equipped with 3 cylinders that can be used in different ways. To clamp the profile for special profiles or as an insert for retracting the mandrel for a tube.

Summary of the advantages of our ERB electric tube bending machine.

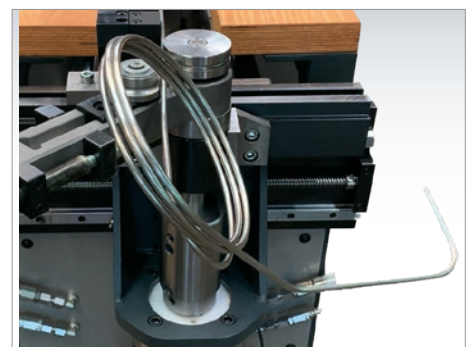
- Small bending head with plug-in bending shaft. The standard shaft is 20 mm in diameter, but can be reduced to 2 mm
- It is possible to bend wire from 2 to 12 mm as well as tubing from 2 to 16 mm
- The bending direction can be changed from right to left without changeover or tools.
The bending direction can also be changed within a program
- The bending die, the clamping jaw and the pressure die are plug-in and can be replaced in no time at all
- The machine comes standard with automatic feed and automatic twisting
- Both drives are controlled servo motors with adjustable torques and speeds
- The servo-controlled drive motor with a special gear with a ratio of $i=100$ enables the generation of very high torque and very precise positioning
- The noise level is below 30 dB A and the hydraulic unit switches on and off automatically. More advantages on the next page



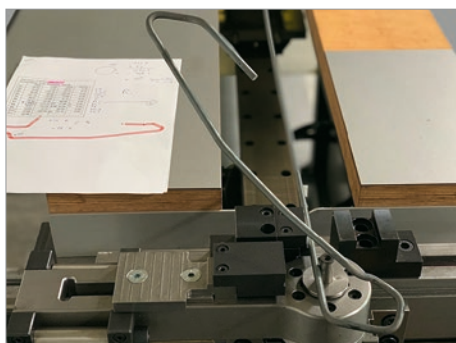
Wire bending clockwise



2mm tube



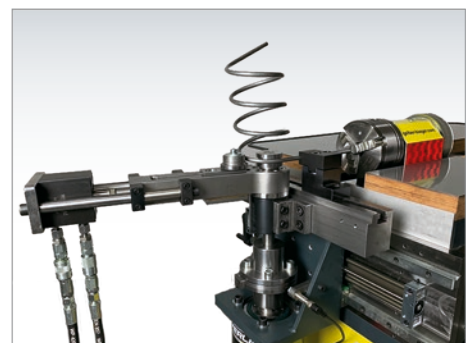
Freeform bending combined with bending



Wire bending counter-clockwise

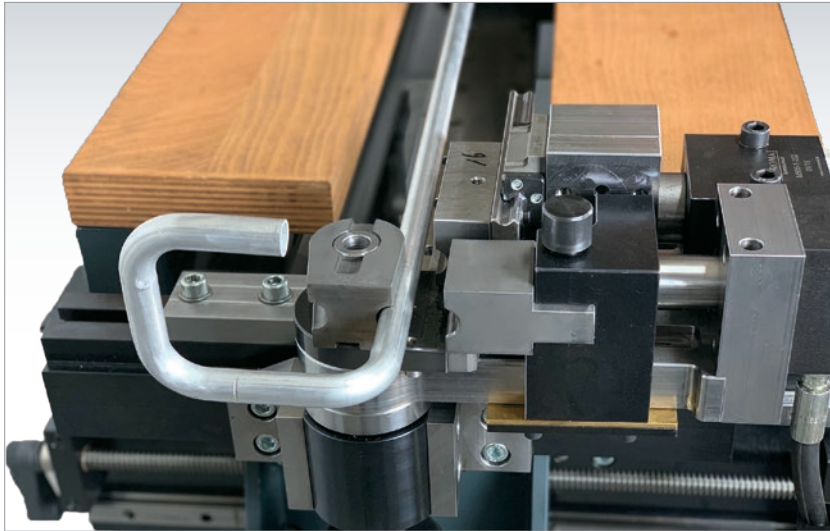


8mm tube



Spiral freeform and bending upwards

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- The larger bending head has a bending capacity for wire up to 16 mm and tubing 28 x 2 mm
- The machine can be equipped with a feed booster, which enables the use of tools with very small bending radii and the bending of tubes with very thin walls.
- Additional bending modules are freeform bending, which makes it possible to implement different bending radii with one tool, and spiral bending for tight spirals
- Programs can be imported and exported
- Programs can optionally be called up with a barcode scanner
- A remote maintenance module is built into the bending machine
- The machine is password protected on several levels

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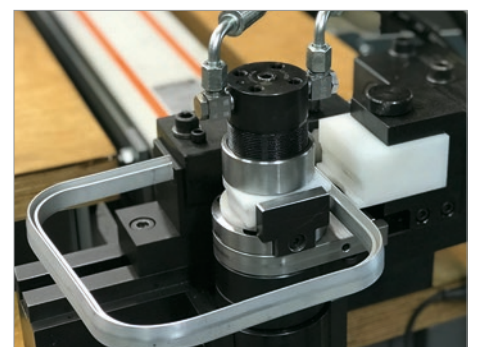
Tube bending capacity:	2-28 mm x 2 mm
Machine length:	2000 mm - 4000 mm - 6000 mm
Bending radius:	Standard max. 90 mm
Length feed:	Servo-electric drive
Twist:	Servo-electric drive
Clamping pressure:	Adjustable 20 - 160 bar
Three-jaw chuck:	120 mm mechanical, electrical optional
Powers:	Bending axis 1.5 KW and hydraulics 2.0 KW
Mandrel bending device and mandrel lubrication:	optional
Control panel:	On rollers
Operation:	10 inch touchscreen, foot switch and two-hand operation



Bending head up to 28 x 2mm



Tight spiral (spiral bending)



Profile bending



Bending with mandrel



Bending with booster 1.2 x D



Bending / twisting copper



We are one of the companies worldwide that offers a wide range of bending machines.
With us you will also receive non-binding advice and thus find exactly what you need!
In the following editions, we will present more machines to you.
We would be happy to send you our complete catalog by post

A bending problem?
Ask us -
We're here to help!

Our opening times:
Monday to Friday
8:00 a.m. - 4:00 p.m.

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