

The digital bending bench BGD-5^{eco}

The new BGD-5^{eco} sets a new standard for bus bar bending with outstanding precision and speed at economical prices. No other bending machine will match its range of features and performance at low entry price levels.

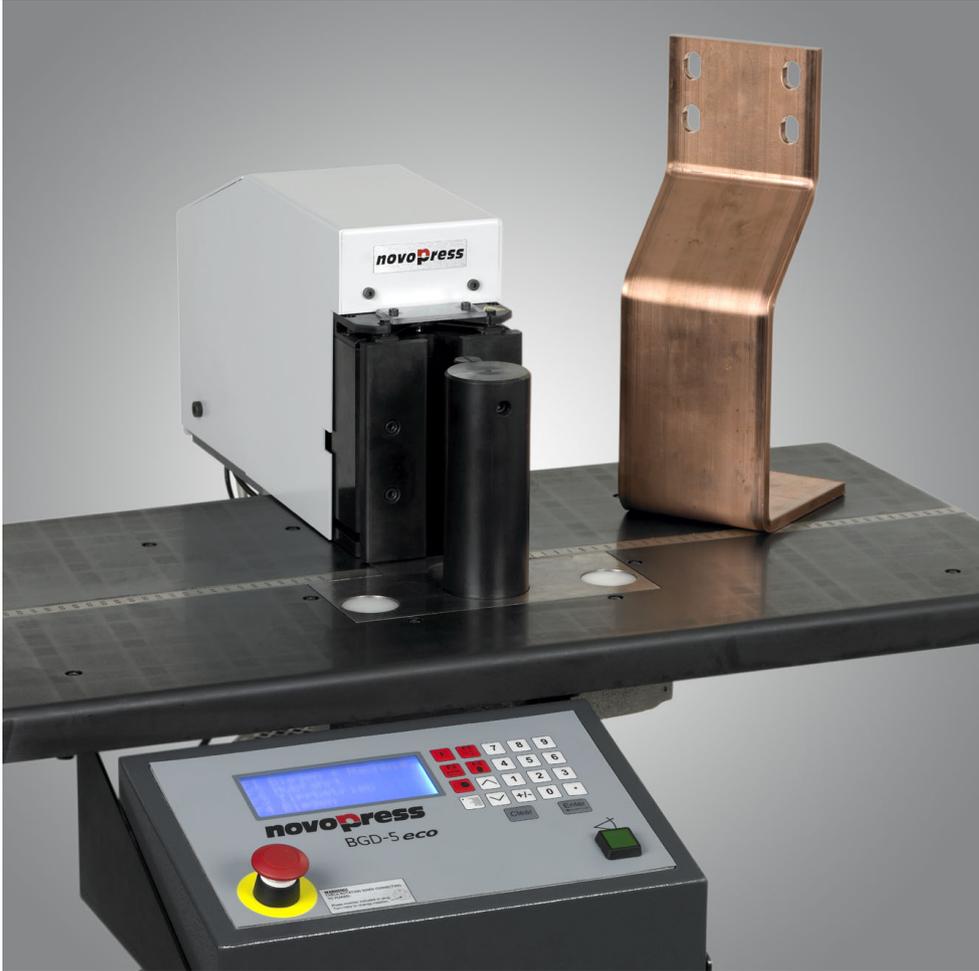
Equipped with the essential - Digital Angle Encoder - the BGD-5^{eco} offers unsurpassed simplicity and control with full automatic spring back compensation and bending accuracy to 0.2 degrees. Consequently it will vanquish any need for trial bends and significantly reduce cost on faulty bend busbars. On top, the digital stroke encoder minimizes idle movement for the absolute shortest cycle times. Additional accessories like step or edge benders, are also easy and precisely controlled by the digital stroke encoder.

The new integrated hydraulic power pack takes bending speeds to new levels - 11.5 seconds* - for a finished 90 degree bend including full automatic spring back compensation.

Advantages:

- Unsurpassed bending features at economic price.
- Digital Angle Encoder with precision to 0.2° degrees
- Full automatic spring back compensation
- No trial bends. No set up times.
- Digital Stroke Encoder for minimum cycle times.
- Supplied with built in high performance 3Ph power pack
- Optional step- and edge bending tools, for special bending applications.
- Tight L - U- and Z- bends possible.
- Mobile machine on wheels for ease of use.

DIGITAL BENDING BENCH BGD-5_{eco}



Technical Data:

Ref. 42380

Depth	950 mm
Width	830 mm
Height	1.330 mm
Weight	170 kg
Operating Pressure	200 bar
Force	180 KN
Bending capacity max.	160x13 mm (6" x 1/2")
Bending radius adaptors	7.5, 10, 15 mm
Power rating	0,75kW
Voltage	400V 3~/50Hz.
Oil flow	3,6 l/min.
Cycle time*	11.5 sec.
Cycle time** (repeat operation)	9.4 sec.
Minimum L-Bend	25 mm
Minimum U-Bend	60 mm
Minimum Z-Bend	70 mm

*90° bend, 120x10 mm busbar size, return stroke incl.
full automatic spring back compensation.

**90° bend, 120x10 mm busbar size repeated operation.



Digital Bending Bench accessories

Our bending accessories are focused on the special needs of the global switchgear industry. Modern bus bar fabrication requires narrow figures and shapes, in order to achieve maximum compactness of the enclosure.

Large and small step benders will allow 100% parallel step bends with a very narrow gap. Two bends are processed in one operation, boosting productivity and reducing manufacturing cost.

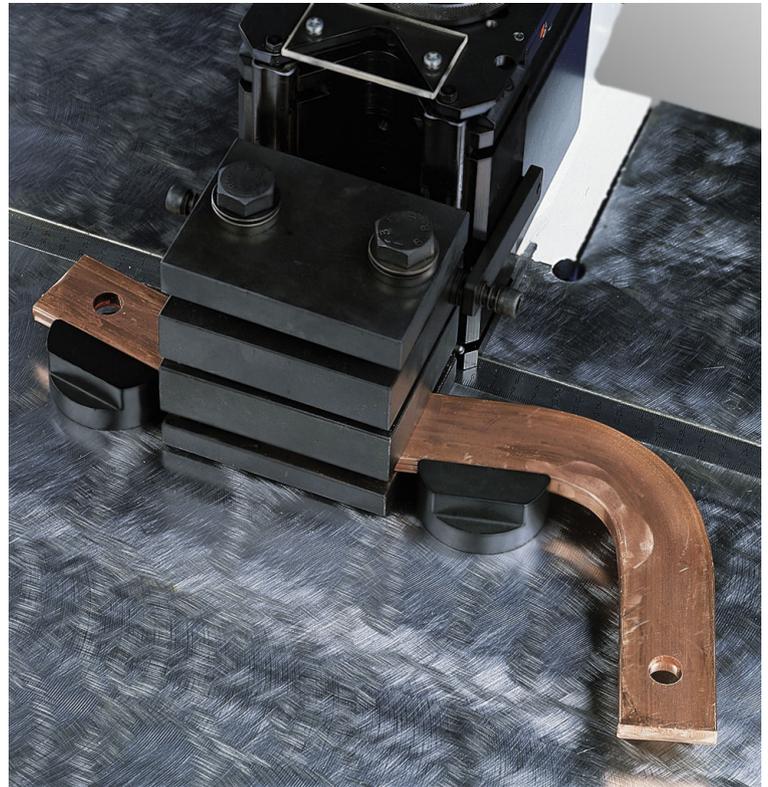
Edge- or upright bending saves 45° or 90° joints by nuts and bolts on all bus bars up to 50x10 mm.

Last but not least our hinge bender will allow L- bends as short as 25 mm, for easy access on today's modern MCCB breakers.

Upright bending tool

Ref. 31221

Copper and aluminium bars up to max. 50 x 10 mm can be bent using the upright bending tool. It's the ideal option for complicated bending figures or to save 90 degree screwed connections on e.g. earthing bars. For detailed dimensions check the corresponding instruction manual.



Supplementary bending hinge

Ref. 31850

The supplementary bending hinge let's you bend very short L-Bends, as often requested by today's modern circuit breakers. L-Bends can be as short as 25 mm only, providing the bending edge for very compact switchgear enclosures. For detailed dimensions and measurements, please check the corresponding instruction manual.