

Pneumatic bender for GeoSteel

Pneumatic bender to shape the GeoSteel G600 - G1200 - 2000 - 3300 extra-high strength galvanized steel fiber sheets.

The bender, which complies with the requirements of Machine Directive, Italian Legislative Decree No. 17/10 (2006/42 16), can be used to shape the sheet so as to create GeoSteel Hardwire™ sheets wrappings for beams and pillars, creating curve radiuses of from 20 mm to 50 mm, or as indicated in the executive plan, without altering or damaging the mechanical properties of the sheet. Thanks to the pressure exerted by the pistons it can be used to bend quickly and precisely; ideal for large work sites or operations carried out on a large scale.



PRODUCT STRENGTHS

- CE-marked
- The GeoSteel Pneumatic Bending machine complies with the following harmonized standards: UNI EN ISO 12100/2010, UNI EN 349/2008, UNI EN 574/2008, UNI EN ISO 13857/2008 and UNI EN ISO 4414/2012. It is therefore compliant for use with respect to the safety of machinery and the user
- Ease and speed of bending
- Can be used by a single operator
- The bending precision allows an adequate wrapping of the element to be reinforced
- Following the bending, the mechanical characteristics of the GeoSteel Hardwire™ sheets are preserved
- Compressed air supply using a special compressor supplied with the bending machine or by direct connection to compressed air piping systems
- Does not alter the mechanical properties of GeoSteel sheets
- Used to create the curvature required by CNR-DT 200 R1/2013 and CNR-DT 215/2018 for wrapping of beams and columns

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Machine technical information

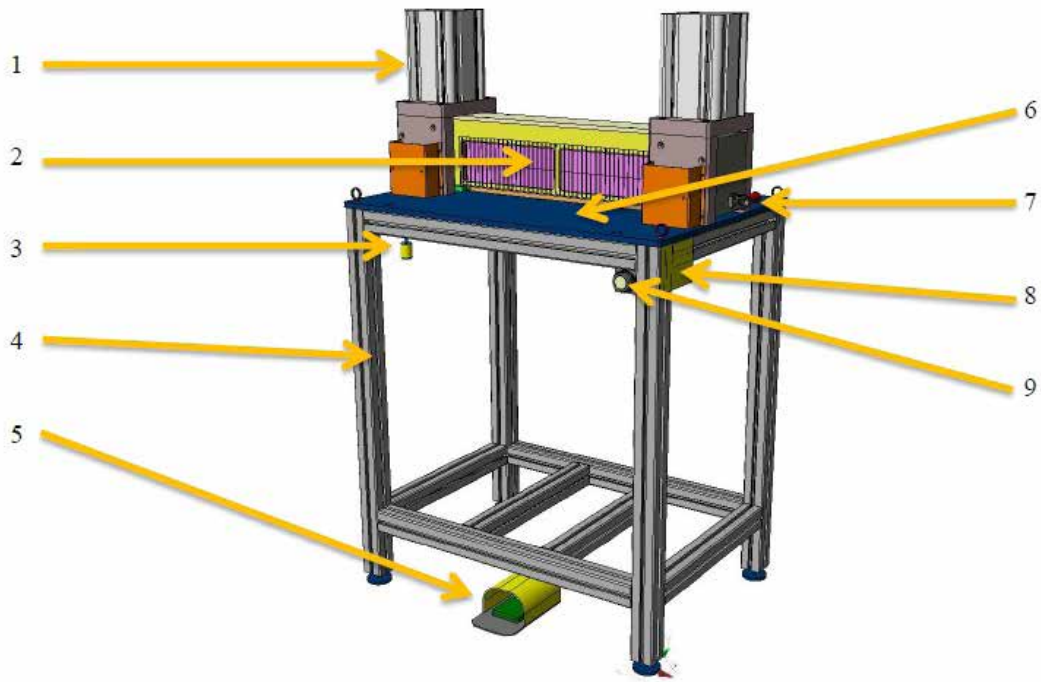
Mass	70 kg
Supply area pressure	6 – 10 bar
Cylinder push (depending on air pressure)	150 – 250 daN
Maximum punch stroke	50 mm
Minimum punch stroke	20 mm
Max width of GeoSteel Hardwire™ sheet	300 mm

TECHNICAL DIAGRAMS

The machine is made up of a supporting frame made of aluminium profiles, a superstructure consisting of the bending system and the pneumatic system. In the figure, it is shown as presented to the operator.

In the figure are indicated:

- 1 - Pneumatic cylinders for the punch movement
- 2 - Front protection
- 3 - Quick connector for compressed air supply
- 4 - Support frame
- 5 - Punch drive pedal (descent)
- 6 - Support surface for GeoSteel Hardwire™ sheet
- 7 - Lever for selection of sheet bending type
- 8 - CE-marking label
- 9 - Punch reset button (ascent)



INSTRUCTIONS FOR USE

Using the GeoSteel Bender

1. Connect the machine to the 220 V power line to power the compressor or to a suitable compressed air generator
2. Verify that the machine is working properly
3. Select the desired bending depth using the appropriate levers (7)
4. Insert the GeoSteel Hardwire™ sheet band into the machine and position it with the area to fold at the punch
5. Operate the punch with the appropriate drop-down buttons, so as to perform the bending
6. Release the buttons
7. Press the punch up button
8. Remove the bent GeoSteel Hardwire™ band

WARNING

- Product for professional use

- abide by any standards and national regulations
- abide by warnings and risks indicated in the user manual of the GeoSteel Pneumatic Bending Machine
- follow the instructions for maintenance and adjustment indicated in the user manual of the GeoSteel Pneumatic Bending machine
- follow the instructions for disassembly and disposal indicated in the user manual of the GeoSteel Pneumatic Bending machine
- the machine must be used exclusively for bending GeoSteel Hardwire™ sheets
- storage on the work site: store under cover in a dry place, well away from substances that might damage it
- the product is an item according to the definitions of the EC Regulation No. 1907/2006 and therefore does not require a Safety Data Sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - globalservice@kerakoll.com

The Rating classifications refer to the GreenBuilding Rating® Manual 2013. This information was last updated in November 2019 (ref. GBR Data Report - 12.19); please note that additions and/or amendments may be made over time by KERAKOLL SpA, for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.



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