

### Art.175 – Line production Duct.



The machine consists of several modules, which are the straightener, the cutting and bending block and the profiling Pittsburgh or snapblock or both.

Other modules are also available:

- Introducer 4 sheet;
- Ribbing / corrugating module;
- Plasma cutting module;
- Notching module with 2+2 “U” and “V” forms.
- Decoiler.

The system is controlled by a PC with WindowsXP Embedded installed in the electric cabinet. The program BRAVO is easy and intuitive, and allows the user to use the machine and to introduce the data for the ducts production.

"The data can be transmitted also by lan or by USB pen drive.

The possible productions are:

- Type 0: sheets cut;
  - Type 1: whole channel;
  - Type 2: duct in 2 pieces (“L”);
  - Type 3: duct in 2 pieces (“U” + cover);
  - Type 4: duct in 4 pieces.
- Other 95 type of forms are realizable by the user.

In every type of duct it is possible to enable/disable the following productions:

Bending;

“U” trimming in the joints;  
“V” trimming in the bended points;  
Partial corrugating;  
Holes or other forms realizable by the user;  
Transversal treaded;  
Longitudinal treaded;

The workable thickness goes from 0,5 to 1,5 mm for the galvanized sheet, and from 0,5 to 1,25 for the stainless steel sheet.

The widths change from 1250 to 1500 mm.

## **Technical Data**

### **Straightener**

Straightening, flattening machine with 5 chromium-plated rollers diameter 90 mm; pair of drawing, gummed rollers “Vulkolan” diameter 120 mm. Double chain transmission.

Powered by ABB brushless motors.

### **Shear**

Hydraulic Guillotine with torsion bar.

### **Bending**

Type like flag, hydraulically powered.

### **Ribbing/Corrugating group**

Ribbing / corrugating group for the longitudinal supports' production, with the possibility to adjust and exclude the supports. Hydraulic motion and reinforced steel rollers diameter 120 mm.

### **Introducer**

Automatic introducer 4 sheets, with adjustable guides, which can be put on lengths from 1250 to 1500 mm.

Driving, gummed rollers and locking pliers for unused sheets.

### **Cutting plasma module**

Equipped with plasma generator CEBORA 60/60 T 60 A.

Positioning on the sheet by plate with 5 supports spheres

Vacuum cleaner filter excluded.

### **Decoiler**

Manual expansion of the central mandril and adjustable brake.

Support stand for fixed or mobile post, sliding on guides.

Capacity: 5.000 Kg.

### **Profiling Pittsburg and/or Snapblock**

On a driving with sense of direction perpendicular to a sheet metal direction, the profiling moves to create the junction "male" and "female" for closing and assemble the duct.

The looming Pittsburg is composed of a series of 7 pairs of rollers for the formation of the side seam "female".

The looming Snap Block consists of 2 sets of 9 rolls seam-side for the formation of "male" and with 90 ° edge with tooth for attachment to "female" side.

In order to improve the product Eurosoft reserves the right to make changes without notice.