

STRAIGHTENING MACHINE type RT 116 - TECHNICAL FEATURES

Straightening and Cutting machine from coil for processing re-bar or smooth wire (UTS: 650N/mm²)

TECHNICAL SPECIFICATIONS		RT 116			
Working Range					
Voltage:		400V			
Control Panel Electrical Voltage:		24V			
Installed Power:		30 KW			
Iron advance speed:		50-70 m/min			
Data entry:		via PC			
Measurement Accuracy :		±5 mm			
Straightening Method:		Hyperbolic Rotor			
Main Machine Dimensions (L x W x H):		3310x1100x1900 mm			
Protection Fencing		YES			
Main Machine Weight :		1700kg			
Container dimensions :		3310x1100x1900 mm			
Total Weight :		1850 kg			
Minimum Demanded Working Area :		20x3 m			
Working Range					
Diameter (mm):	Ø10	Ø12	Ø14	Ø16	

**"GALANOS SA" reserves the right to modify the above-mentioned data without previous notice **



The equipment mentioned consists of the following main and auxiliary units:

Main units:

- **Straightening system**
- **Advance system**
- **Cutting system**
- **Control panel – Electro/Electronic board**
- **Hydraulic unit**

Auxiliary units:

- **Pay-offs**
- **Stacking unit**

Straightening system:

The wire straightening is achieved by a rotor which is equipped with hyperbolic rollers. Wire Feeding and Straightening are achieved at the same time by the rotor itself.

The rotor is electric motor powered.

Advance system:

Wire advancing is achieved by the rotation of the rotor around it along with a group of propulsion rollers placed just after the rotor.

The lower roller is hydraulic powered while the upper one is free and linked up to the measurement encoder.

Cutting system:

Hydraulic powered cutting system.

Flying shear cutter is available.

Electric/Electronic Control panel:

PC controlled machine.

Up to six (6) different lengths and quantities can be programmed.

In case of a wire jam or cutting the machine function stops immediately

The operator can accomplish the following tasks:

- Selection of automatic-manual operation
- Selection of manual cutting
- Selection of bar displacement (forwards-backwards).
- The electric components are supplied by “ABB”.

Hydraulic unit:

Hydraulic powered cutting system and advancing rollers.

All hydraulic components are supplied by “VICKERS”, “DANFOSS”.

Auxiliary items:

Pay-offs:

The pay-off is equipped with pneumatic brake and is PC controlled.
It is offered optionally.

Stacking unit:

A hydraulic or pneumatic stacking unit is available (according to the type of the main machine). The straightened bars are stacked there during the machine operation. Following to each cut, the lower part of the bench opens and the straight rods are placed at the specially-designed positions in order to be removed.

☞ Together with the main equipment, «GALANOS SA» delivers one set of tools, as well as some consumable spare parts.