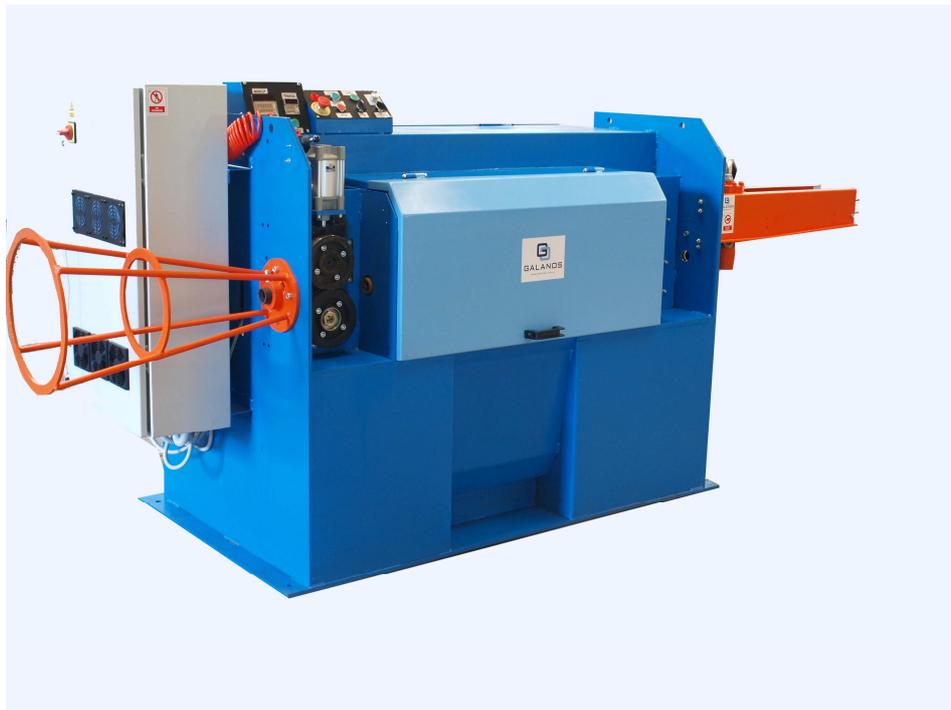


STRAIGHTENING MACHINE type RM 116 - TECHNICAL FEATURES

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

TECHNICAL SPECIFICATIONS	RM 116				
Working Range					
Voltage:	400V				
Control Panel Electrical Voltage:	24V				
Installed Power:	30 KW				
Iron advance speed:	30-50 m/min				
Measuring:	via counter				
Measurement Accuracy :	±5 mm				
Straightening Method:	Hyperbolic Rotor				
Main Machine Dimensions (L x W x H):	2500x1050x1700 mm				
Protection Fencing	YES				
Main Machine Weight :	1700kg				
Minimum Demanded Working Area :	20x3 m				
Working Range					
Diameter (mm):	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Ø10</td> <td>Ø12</td> <td>Ø14</td> <td>Ø16</td> </tr> </table>	Ø10	Ø12	Ø14	Ø16
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.

Cutting system:

Hydraulic powered cutting system.
Flying shear cutter is available.

Electric/Electronic Control panel:

At the internal of the control panel of the machine, two electronic counters are placed, where we enter the cutting length and the desired quantity of pieces.

The operator can accomplish the following tasks:

- Selection of automatic-manual production
- Selection of manual cut
- Selection of bar displacement (forwards-backwards).

The electro-logical board is installed inside the control panel where the housing of electrical supply is placed as well. The electro-logical material is manufactured 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.