

STRAIGHTENING MACHINE type SIRMA 10 - TECHNICAL FEATURES

Straightening and Cutting machine for both re-bar and smooth wire.

SPECIFICATIONS	SIRMA 10
Diameter range (mm):	Ø5 – Ø10 (650N/mm ²) Ø12 (400N/mm ²)
Electrical Voltage:	380V
Control Panel Electrical Voltage:	24V
Installed Power:	20KW
Wire advance speed :	60-120m/min
Length Accuracy :	±1mm
Straightening Rolls Adjustment:	Pneumatic
Weight of main Machine:	1500kg
Main machine dimensions	2420x750x1640mm
Machine dimensions (protection fencing included)	2500x1000x1750mm
Working Area:	18x3m

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

The machine mentioned is provided with the following main items:

Main units:

- Straightening system
- Advance system
- Cutting system
- Control panel – Electric/Electronic unit
- Hydraulic unit

Auxiliary units:

- Pay-off
- Stacking unit



UNITS DETAILED DESCRIPTION

Main units:

Straightening system:

Straightening is achieved by a rotor of bushes. The rotor is electric motor powered

Advance system:

The wire advance system consists in a double group of propulsion rollers which is placed just before and after the rotor. The lower rollers are servo-motor powered while the upper ones are free moved and connected to the measuring encoder. The roller pressure adjustment is carried out by a hydraulic system.

Cutting system:

The cutting system is hydraulically powered. Cutting arm driven by a hydraulic piston.

Control panel – Electrical/Electronic unit:

Up to six different lengths and quantities can be introduced in PC memory. In case of coil jam or wire cut the machine immediately stops working.

The operator can accomplish the following processes:

- Choose automatic/manual operation
- Choose manual cutting
- Choose wire movement (forwards-backwards).

The electrical/electronic components are supplied by ABB.

Hydraulic unit:

The cutting system is hydraulically powered.

Auxiliary units:

Pay-off :

Capacity: 3 T

Stacking unit:

After each cut, the lower part of the stacking unit opens in order the straight rods to be collected.

❖ One set of tools as well as some consumable spare parts are included.