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- Honduras
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- Kenya
- Korea
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- Russia
- Serbia
- Slovenia
- South Africa
- Sultanate of Oman
- Spain
- Tunisia
- Turkey
- USA
- Venezuela



**Technical components used in our machinery**

PC - PLC and electronics	<b>SIEMENS</b>	made in Germany
Brushless motors and drivers	<b>SIEMENS</b>	made in Germany
Brushless motors and drivers	<b>KOLLMORGEN</b>	made in Germany
Electric components	<b>SIEMENS</b>	made in Germany
Electric brakemotors	<b>MGM</b>	made in Italy
Electric motors	<b>CME</b>	made in Italy
Pneumatics valves	<b>SMC</b>	made in Japan
Pneumatics	<b>CAMOZZI</b>	made in Italy
Bearing elements	<b>SKF</b>	made in Germany
Linear actuators	<b>ROLLON</b>	made in Italy
Coaxial gear reducers	<b>WITTENSTEIN</b>	made in Germany



GIORI - GLOBAL LINE group s.r.l. - Via Francesca 2942 / B- 51036 - Larciano - Pistoia - Italy  
www.giori.it - info@giori.it



**MECHANICAL SINCE 1962**



**PURE FORCE**





### 机器特点:

本机器可利用棉线、微纤、无纺布和水刺布条生产拖把，拖把杆由各种各样的塑料和金属制成，最大长度(束)为1200毫米，最大宽度为220毫米。

在使用金属叉子时，借助于一种特殊设备(可选)，可以实现末端弧形反转或90°的弯曲。

塑料连接器可以有两、三或四个钉。★

连续循环中的最大生产能力为840至1200件/小时。生产能力依据材料、使用过的支架(连接器)的类型、其形状和操作人员在其装入压力机时的技能而可能发生变化。

具有改变盖子和叉子大小的可能性。

凭借触摸屏面板的读数，可以实现机器的管理、编程、主报警器的信号传送以及读取测量值的变化。

控制板术语言：意大利语，英语，西班牙语，葡萄牙语。

半自动机器，安全保护符合EC规定，需要使用人力。

成品由传送带自动释放。

在包装机中进行拖把的调整和插入是手动进行的。

### 关于工作周期的说明:

操作人员可以在机械运动压力机中引入塑料或金属支架(杯和叉)。

一种光电屏障系统允许操作员按照CE规则在完全黑暗中执行所有操作。

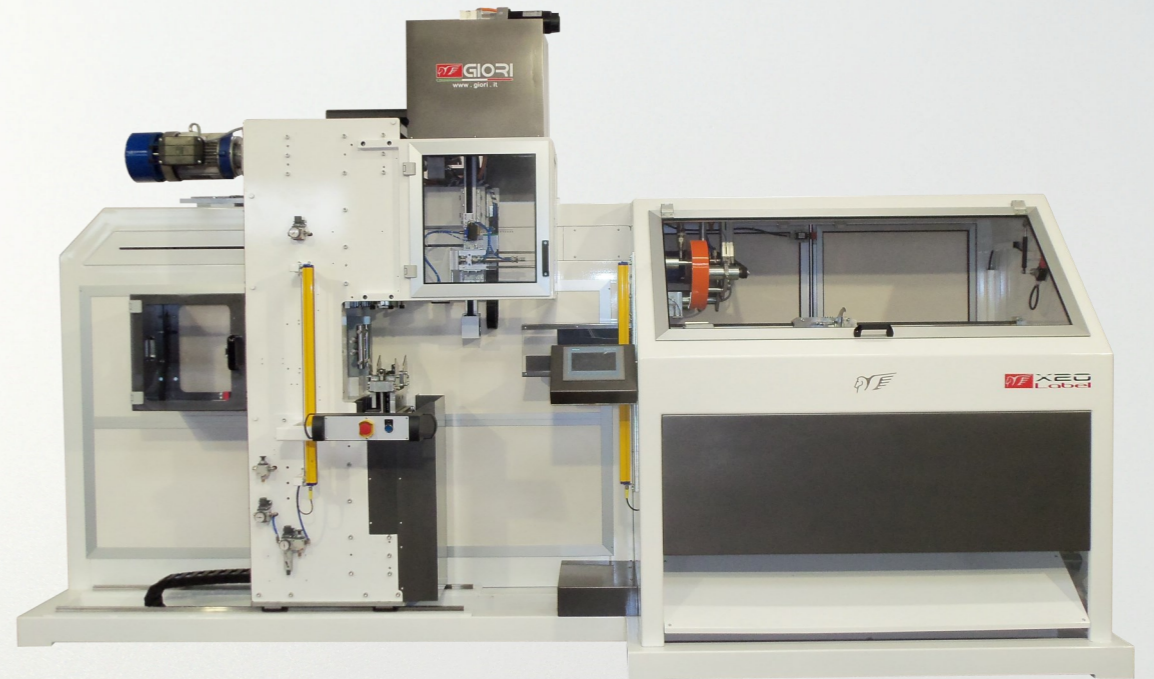
当操作人员清除安全屏障区域时，他们会自动激活工作周期。

压力机将盖子和叉子装配到一束材料上。

一种由无刷电机驱动并配有气动夹持器的驱动单元将一束棉线拉到设定的尺寸。

棉束由一带有250毫米圆盘刀片的装置切断，拖曳钳将拖把投到提供排水的传送带上。

在包装机(可选)中进行的拖把折叠、调整和插入操作是手动进行的。



### Machine features:

- The machine can produce mops with various supports both of plastic and of metal with cotton threads, microfiber, strips of non-woven fabric and Spunlace, with a maximum length (bunch) of **1200 mm** and a max. of **200 mm**.
- In the case of using metal forks it is possible to obtain a curved reverse of the ends or with a 90 ° bend thanks to a special device (optional). ★
- Plastic connectors can have two, three or four pegs.
- The powerful mechanical press with a force of 4 tons allows assembling mops with a resistance of **4 kg 10 kg / cotton yarn**.
- The powerful mechanical press allows assembling the mops with a force of **4 Tons**.
- The maximum production capacity in continuous cycle ranges from **840** (X20 Label versión) to **1200** pieces / h. Capacity can be subjected to possible variations according to the materials, the type of used supports (connectors), their shape and the skill of the operator when loading them into the press.
- Possibility to change the size of the caps and forks.
- Management, programming of the machine, signaling of main alarms and change of measurement with reading from the touch screen panel.
- Control panel idiom in: Italian, English, Spanish, Portuguese.
- Semi-automatic machine, protected according to EC regulations, requires the use of labor.
- The finished product is automatically released by a conveyor belt.
- The adjustment and insertion of the mop in the packaging machine is made manually.

### Description of the work cycle:

The operator provides the introduction of plastic or metal supports (cup and fork) in the mechanical movement press.

A system of photocell barriers allows the operator to carry out all operations in total darkness, in compliance with CE regulations.

When the operator clears the zone of the safety barriers, they automatically activate the work cycle.

In the **X20 Label** version, a printer unit integrated into the machine prepares the label, by means of a Cartesian axis manipulator placed over the bunch of cotton threads before assembling the connectors.

The press assembles the cap and fork onto the bunch of material.

A drive unit driven by a Brushless motor and equipped with a pneumatic gripper, pulls the bunch of cotton threads up to the set size.

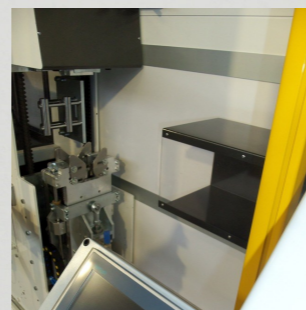
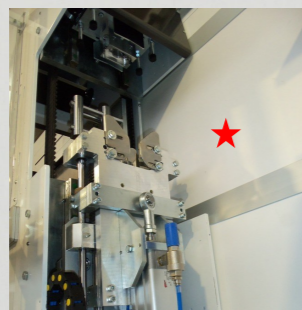
A unit with a Ø 250 mm disc blade cuts the bunch, the towing tong drops the mop onto the conveyor belt that provides the drain.

Folding, adjustment and insertion of the mop in the packaging machine (optional) are manual.



4 Tons press

V	220 - 380
Hz	50 - 60
Kw	3 - 4
Bar	7
Air Cons.	160 - 200 l/min.
Length	4100 mm
Width	1680 mm
Height	2200 - 2700 mm
Weight	1900 - 2100 Kg



MADE IN ITALY