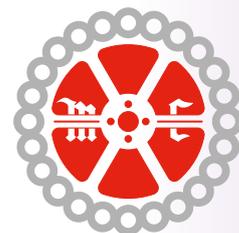




WOOL APPAREL

Raising
Shearing
Teasel
Wet Brushing
Decatizing
Polishing



MARIO CROSTA
SINCE 1925

RAISING

Single drum raising machine MC 10/28
Double drum raising machine MC 20/28



This universal and versatile single/double drum machine is ideal for wet processing woollen wool and blends.

Equipped with 28 raising rollers, can work single or in tandem with shearing machines.

Equipped with an automatic zero point setting device.

All raising parameters can be set both during machine standstill and while working.

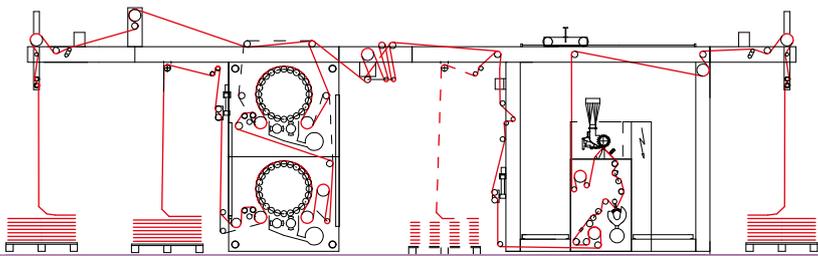
PLUS

- » **Safety device for cleaning brushes** of the raising cylinders.
- » **Semi-automatic drawing-in** device.
- » **Pneumatic tension control** of raising cylinders driving belts.
- » **Pneumatic braked cylinder** at inlet.
- » Impulse running of each device **with independent driving system**.
- » **Working hours counter** for preventive maintenance control.
- » **Touch-screen display** to guide and assist the operator during each operation phase.
- » Programmer able to **record up to 400 work programs**.
- » **Driving system** with inverter-controlled three-phase motors and DC bus system.
- » An **air conditioner** installed on the upper section of the electric control box **keep the temperature constant** and **avoid the formation of condensate**, thus ensuring a long duration of all electric and electronic components.

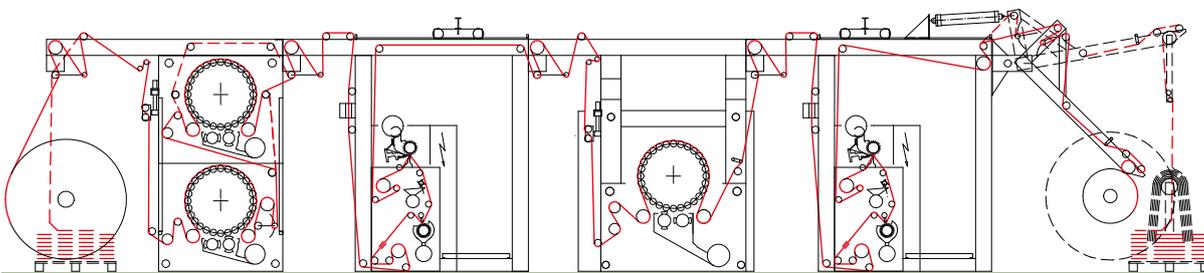
Technical data

Installed power	45-60 kW
Effective energy consumption	20-28 kW
Compressed air min. pressure	5 bar
Adjustable production speed	10-40 m/min
Drum speed	70-140 rpm
Machine width	1800-2600 mm

Impact on the environment Compliant with all safety, EMC and noise European standards.



MC 20/28 INTANDEM WITH SHEARING



MC 20/28 INTANDEM WITH MC 10/28 AND SHEARING



SHEARING

Shearing for Wool

TURBO - TURBO 11 - TURBO 12 - TURBO 20



Universal shearing machines for worsted wool.

Available in different models, with one or more shearing groups: Single unit shearing machine type SSC/a; SSC/a-11 type: one group to shear the right side and one to shear the back side; SSC/a 20 type: two groups to shear the same side of the fabric; SSC/a-12 type: one group to shear the back side and two groups to shear the right side. Its ultimate release is represented by the **TURBO** system, a special cylinder and ledger blade anti-vibration system ensuring the absence of faults and a high production speed, also with particularly difficult fabrics, as well as a considerable reduction in sharpening operations compared with those machines not equipped with this system. There Universal shearing machines for worsted wool. are different optional solutions to manage selvages, such as the selvages protection automatic device or selvages scrolling device.

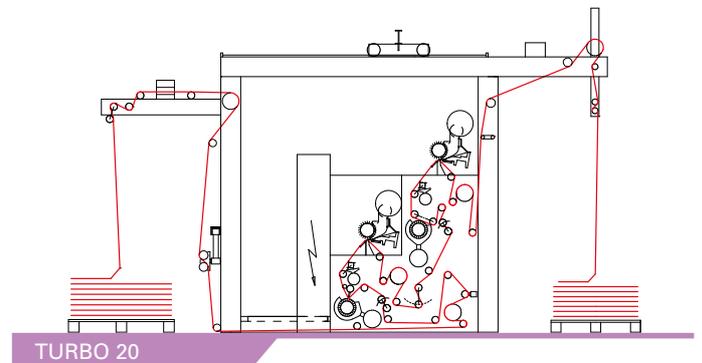
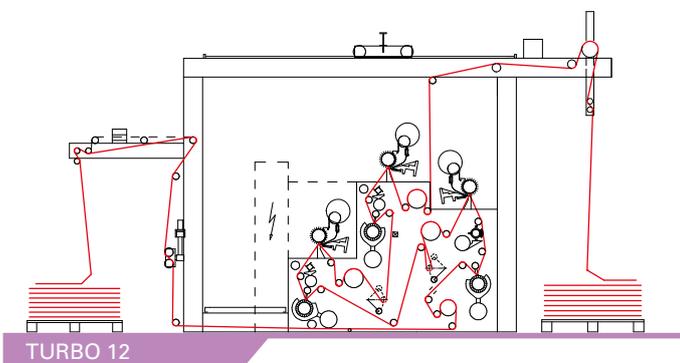
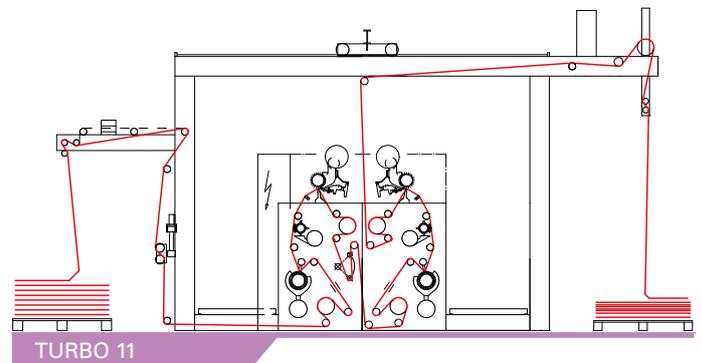
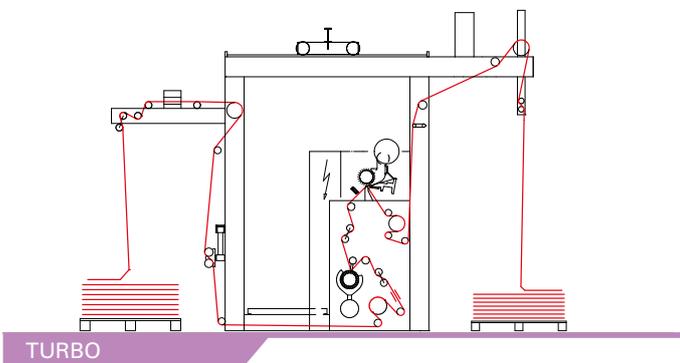
PLUS

- » **Automatic device** to move fabric backwards every time the machine stops.
- » **Hoist for easy and quick replacement of the shearing group** to ease maintenance interventions.
- » **Automatic seam jumping** through the special sensors provided for seams detection. This way, the machine will automatically reject the minimum fabric quantity astride of seams.
- » Impulse running of each device **with independent driving system**.
- » **Touch-screen display** to guide and assist the operator during each operation phase.
- » **Driving system** with inverter-controlled three-phase motors, as well as independent impulse controls for each device.
- » An **air conditioner** installed on the upper section of the electric control box **keep the temperature constant** and **avoid the formation of condensate**.

Technical data

Installed power	15 kW
Effective energy consumption	8 kW
Compressed air min. pressure	5 bar
Adjustable production speed	5-40 m/min
Cylinder speed	600-1200 rpm
Machine width	1800-2600 mm

Impact on the environment Compliant with all safety, EMC and noise European standards.



TEASEL - WET BRUSHING

Vegetable Teasel Raising machine CHD 20

Wet Brushing machine STR 6C

Metallic Teasel Raising machine CHD 20 PMF®



Obtaining the maximum quality on woollen heavy fabrics.

These universal and versatile wet processing machines are engineered for giving maximum results on cachemire, mohair, alpaca and fine woollen wool.

The patented system working with metallic plates replaces the vegetable teasels giving higher uniformity and longer life of fillets.

Top quality is reached on coats, scarves and similar processing.

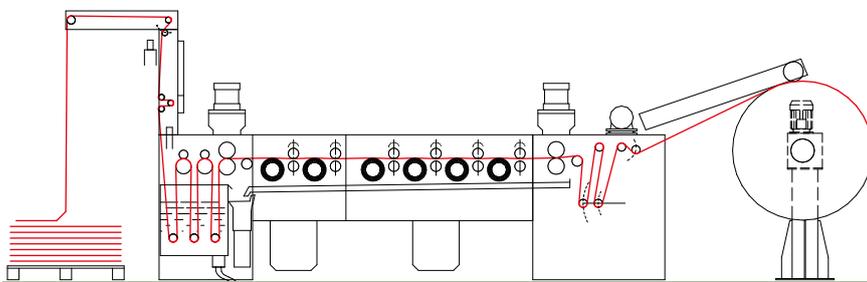
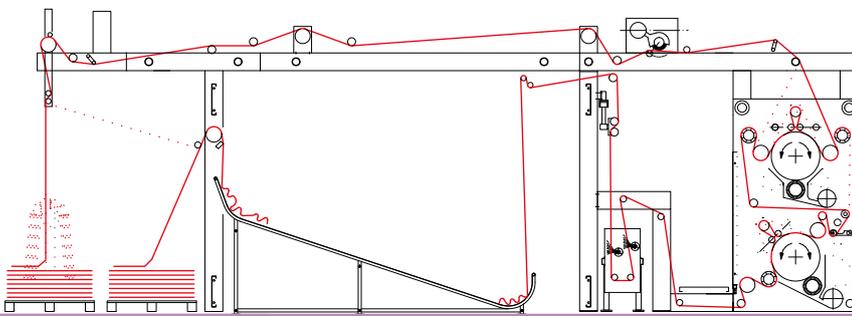
PLUS

- » **Safety device** for **cleaning brushes** of the raising cylinders.
- » **Semi-automatic drawing-in** device.
- » **Pneumatic tension control** of raising cylinders driving belts.
- » **Pneumatic braked cylinder** at inlet.
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- » **Touch-screen display** to guide and **assist the operator** during each operation phase.
- » Programmer able to **record up to 400 work programs**.
- » **Driving system** with inverter-controlled three-phase motors and DC bus system.
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Technical data

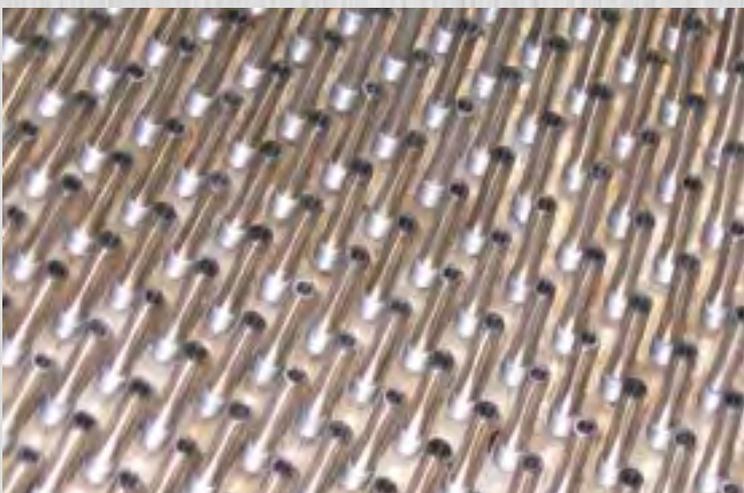
Installed power	60 kW
Effective energy consumption	28 kW
Compressed air min. pressure	5 bar
Adjustable production speed	10-40 m/min
Drum speed	70-120 rpm
Machine width	1800-3400 mm

Impact on the environment Compliant with all safety, EMC and noise European standards.



DECATIZING

Decatizing machine DSS



High power atmospheric decatizer

Discontinuous decatizing machine suitable for processing high quality wool fabrics and blends, both worsted and woollen.

It confers the fabrics an extraordinary touch/feel and the requested dimensional stability.

Very suitable for preparation to KD, when processing worsted fine wool.

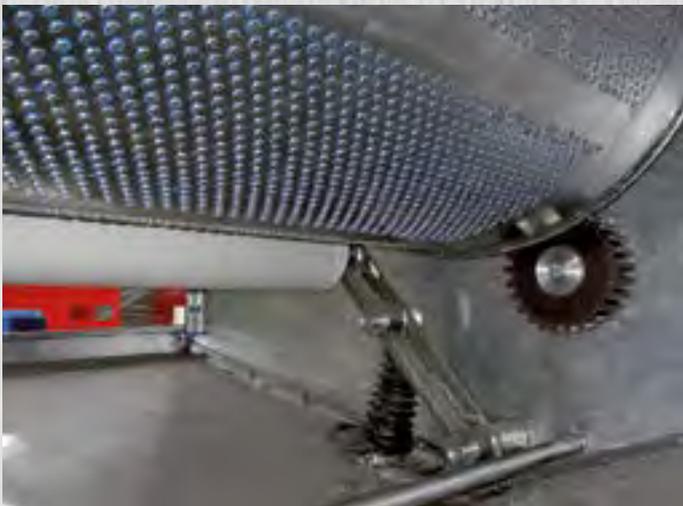
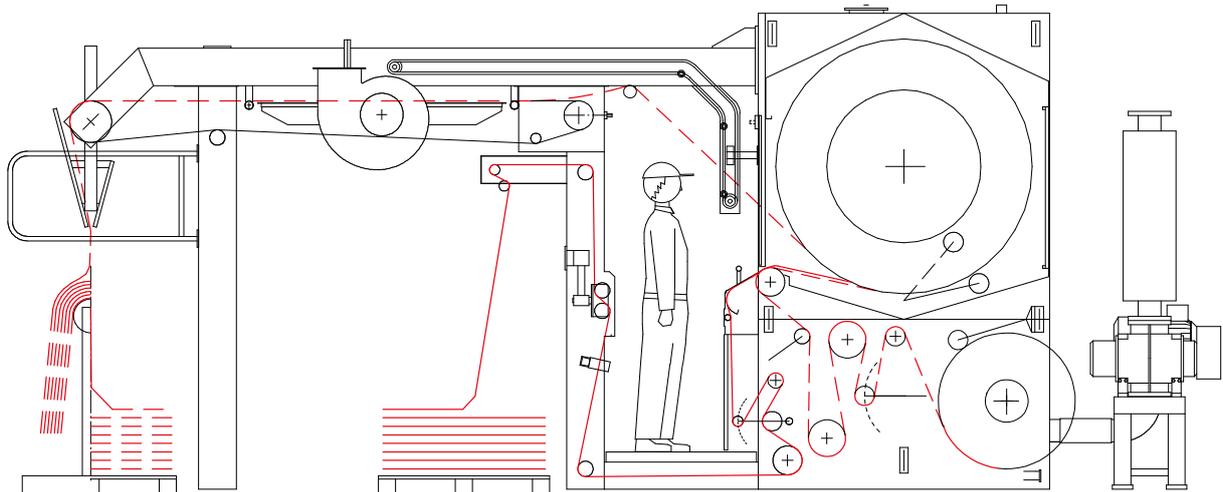
PLUS

- » **Regular decatizing effects** throughout the whole length of the fabric loaded in the machine.
- » **Rapid steam penetration.**
- » **Inside/outside steam injection.**
- » **Stainless steel decatizing cylinder**, Ø 900 mm.
- » **Decatizing chamber frontal door** with automatic driving system.
- » Pressing **cylinder**.
- » **Wrapper aligning** (centering) device.
- » **Wrapper winding** device.
- » **Wrapper drying cylinder**.
- » **Fabric aligning** (centering) device.
- » **Horse-back folder**.

Technical data

Installed power	36 kW
Decatizing cylinder	900 mm
Steam consumption	460 kg/h
Winding/Unwinding speed	120 m/min
Satin wrapper	600 m
Machine width	1800 mm

Impact on the environment Compliant with all safety, EMC and noise European standards.



POLISHING

Polishing machine MPR I (Pol Rotor)
Rotary press CSB/20 ton



Extra shining effect and maximum pile orientation.

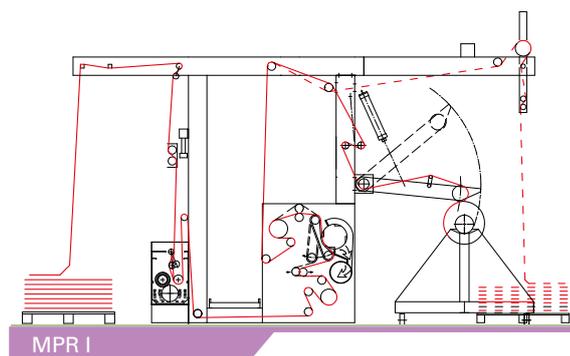
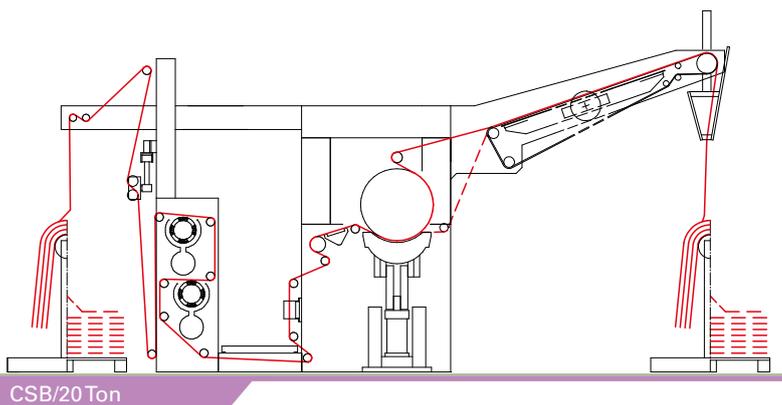
Machines suitable for giving polishing/shining effects on wool and blends.

Rotary press equipped with a processing cylinder and a contrast bed, both made of cast iron and steam heated.

Pole Rotor machine with strongest polishing effect when processing blends with acryl.

PLUS

- » **Cast iron calendering (ironing) cylinder**, casted in one piece, \varnothing 600 mm.
- » **Cast iron contrast bedpress** with rectified surface.
- » **Automatic control and adjustment of the temperature** on cylinder and bed.
- » **Fabric ironing.**
- » **Inlet overfeeding (boosting) cylinder** to adjust the fabric tension before entering the calendering cylinder ($\pm 10\%$).
- » **Steaming basin before the calendering cylinder.**
- » **Inlet fabric widening** device.
- » **Outlet folding group** with cylinder of large diameter, connected to a fan for the cooling of the fabric before being folded.





WORLDWIDE COVERAGE

With the largest global coverage of 70 countries, and the biggest amount of machines placed all over the world (more than 9.200 units), Mario Crosta is the oldest and biggest producer of textile face finishing company in the world.



SUSTAINABLE TECHNOLOGIES

Mario Crosta machines are chosen by the best and biggest brands in the world to reach and maintain the highest level of quality, not forgetting the lowest production costs, achieved thanks to the up-to-date technology, and the low impact on the environment. Mario Crosta, in fact, for many years, has chosen to become a symbol of Green technology.



OUR SERVICE

The after sale service has always been a goal Mario Crosta has always focused on. In addition to the headquarter division in Italy, which manages and organizes the requests from all over the world, a network of service centers throughout the globe ensures a fast and efficient service wherever customers are.



OUR MISSION

Mario Crosta Group, in business since 1925, aims at meeting every customer's demand in textile finishing with competence, timeliness and professionalism, through a highly motivated and involved team and a constant attention to research and development. We offer innovative high value-added solutions to meet any worldwide market's growing technological needs.

WOOL APPAREL

Raising
Shearing
Teasel
Wet Brushing
Decatizing
Polishing

WOVEN APPAREL

Raising
Shearing
Brush Sueding
Diamond Emery

KNIT APPAREL

Cotton Fleece
Performance
Fleece
Polar Fleece
Brush Sueding
Shearing

HOME TEXTILE

Raising
Velvet Line
Shearing
Sueding

MARIO CROSTA

SINCE 1925



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