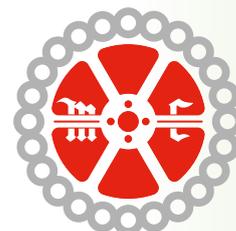




KNIT APPAREL

Cotton Fleece
Performance Fleece
Polar Fleece
Brush Sueding
Shearing



MARIO CROSTA
SINCE 1925

COTTON FLEECE

Double drum raising machine - MC 20/24



These universal and versatile double drum machines are suitable for processing all types of fabrics made from natural or synthetic fibre

Two complete raising machines in the space of one enable a remarkable space saving. The special double drum configuration allows the raising of the right side and the back side, when tubular processing.

The machine can be configured in raising/fleecing or raising/raising. It can be equipped with 24/28 raising rollers, with a ranging from 1800 to 2800 mm to better adapt to fabrics of any width.

Equipped with automatic zero point setting device.

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

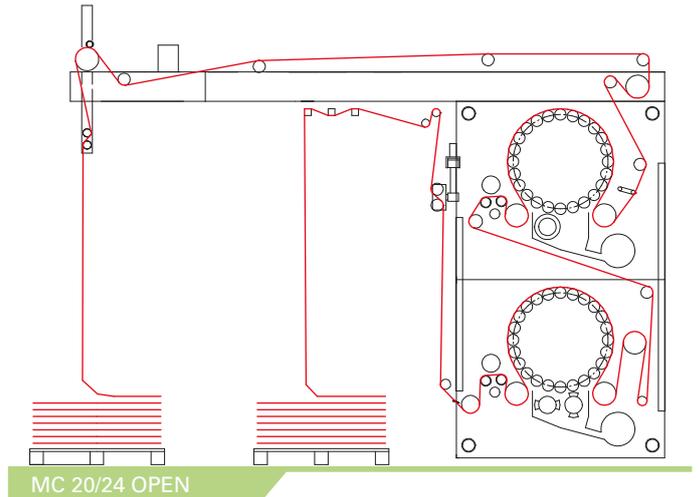
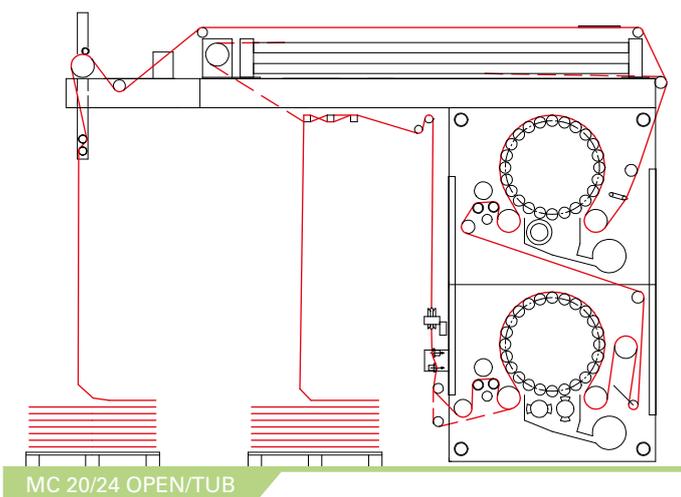
PLUS

- » **Safety device** for **cleaning brushes** of the raising cylinders.
- » **Semi-automatic drawing-in** device.
- » **Pneumatic tension control** of raising cylinders driving belts.
- » **Double ball bearing** system for each raising roll.
- » **Working hours counter** for preventive maintenance control.
- » **Touch-screen display** to guide and assist the operator during each operation phase up to 400 programmes.
- » **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

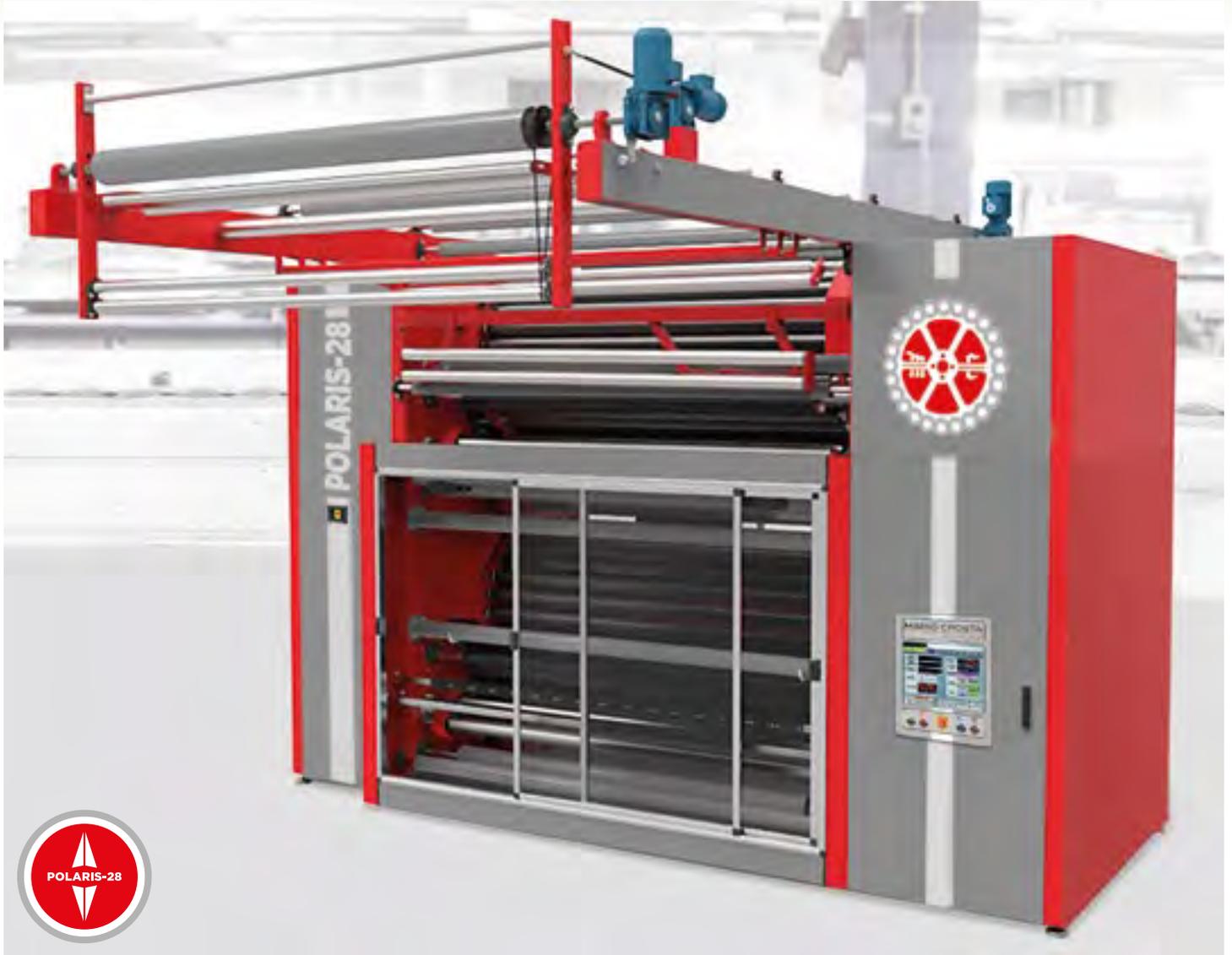
Installed power	60 kW
Effective energy consumption	28 kW
Compressed air min. pressure	5 bar
Adjustable production speed	10-40 m/min
Drum speed	70-120 rpm
Machine width	1800-2800 mm

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



PERFORMANCE FLEECE

Double drum raising machine - Polaris-28



These universal and versatile double drum machines are suitable for processing all types of fabrics made from natural or synthetic fibre

Two complete raising machines in the space of one enable a remarkable space saving. The special double drum configuration allows the raising of the right side and the back side, when tubular processing.

The machine can be configured in raising/fleecing or raising/raising. It can be equipped with 24/28 raising rollers, with a ranging from 1800 to 2800 mm to better adapt to fabrics of any width.

Equipped with automatic zero point setting device.

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

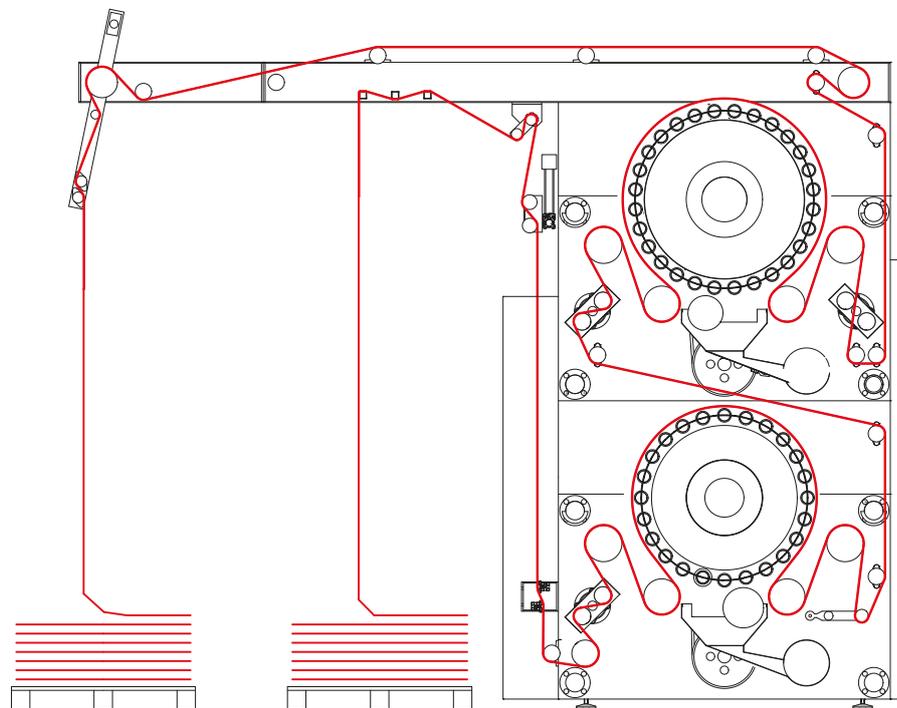
PLUS

- » **Safety device** for **cleaning brushes** of the raising cylinders.
- » **Semi-automatic drawing-in** device.
- » **Pneumatic tension control** of raising cylinders driving belts.
- » **Double ball bearing** system for each raising roll.
- » **Working hours counter** for preventive maintenance control.
- » **Touch-screen display** to guide and assist the operator during each operation phase up to 600 programmes.
- » **Driving system** with inverter-controlled three-phase motors and DC bus system.
- » **Air conditioner** installed on the upper section of the electric control box to **keep the temperature constant** and **avoid the formation of condensate**, ensuring a long duration of all electric and electronic components.

Technical data

Installed power	90 kW
Compressed air min. pressure	5 bar
Adjustable production speed	10-60 m/min
Drum speed	150-160 rpm
Machine width	1800-3600 mm
Configurable	24/24 - 28/28 - 24/28 Cylinder

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



POLARIS 28



POLAR FLEECE

Single drum raising machine
MC 10/24 MULTI - MC 10/24 COMBING



MC 10/24 has been expressly conceived to extract pile from the Polar fabric and it processes the smooth side and the loop side indifferently.

The devices for Polar processing are already included as standard equipment such as adjustable motor-driven spreading devices for 360° positioning, fixed spreading devices and exit double draft. Moreover, it is equipped with automatic "0" point raising setting device and pneumatic tension control of cylinders driving belts to ensure a constant and continuous working cycle.

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

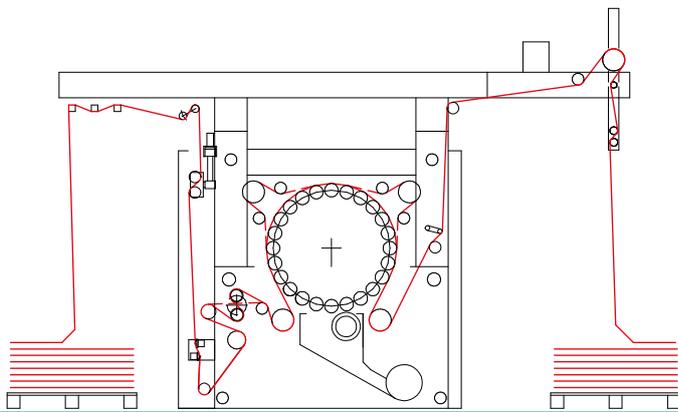
PLUS

- » **Semi-automatic drawing-in** device.
- » **Pneumatic tension control** of raising cylinders driving belts.
- » **Double ball bearing** system for each raising roll.
- » **Working hours counter** for preventive maintenance control.
- » **Touch-screen display** to guide and assist the operator during each operation phase up to 400 programme.
- » **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.

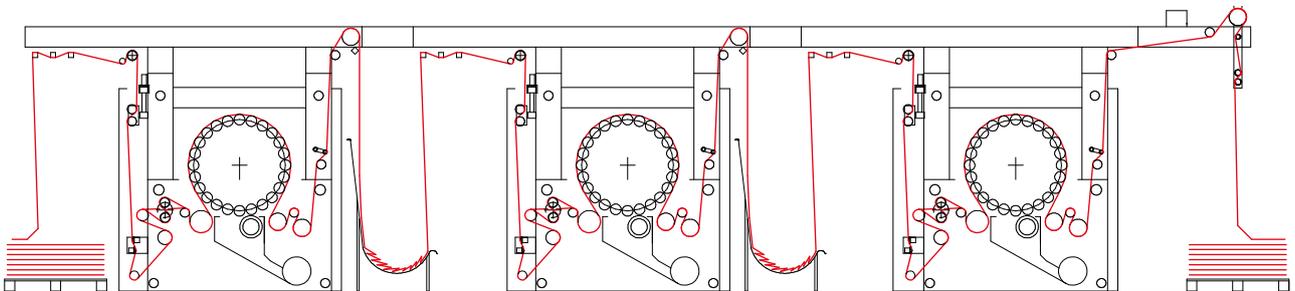
Technical data

Installed power	45 kW
Effective energy consumption	20 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 10/24 COMBING



MC 10/24 MULTITANDEM



BRUSH SUEDING

Brush sueding machine LISA 4.0 Knit



Models equipped with 4 brushes for the treatment of knitted fabric, in open width or tubular.

This machine is equipped with 4 brushes for the process of knitted fabrics. It's divided in two independent modules, each of 2 brushes which allow to set two different brushing effects for each module.

The strength point of this machine is the possibility to set in the display the final effect required on the fabric as a parameter.

The achievable result is independent on the fabric type and it remains constant during the time due to the electronic automatic adjustment of the machine.

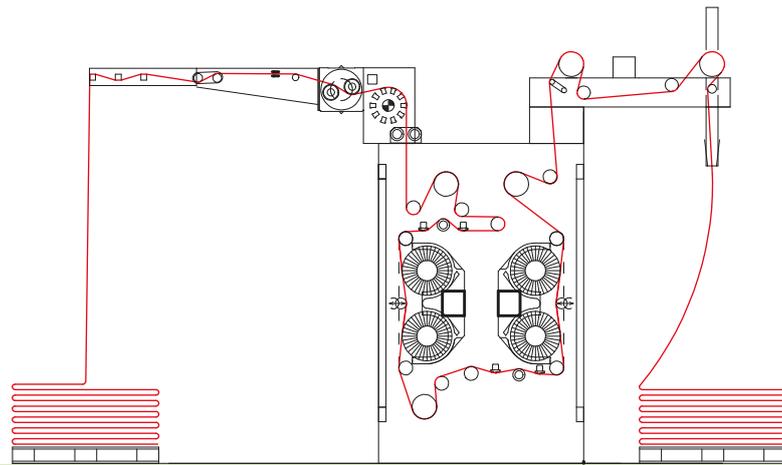
PLUS

- » Suitable for **all kind of fibers**.
- » **Automatic seam guard**.
- » **Fabric spreading** and **centring** unit for knit.
- » **Touch-screen display** for **parameters setting** and **control**.
- » 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.
- » **Automatic control of fabric tension**.
- » Possible installation of **different kinds of brushes**.

Technical data

Installed power	38 kW
Effective energy consumption	27 kW
Working width	1800-3200 mm
Adjustable production speed	5-40 m/min
Brush rotation	700-1500 rpm

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



SHEARING

Shearing for Knit TURBO
Tiger - Polishing - Shearing machine SPC/90



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 are different optional solutions to manage selvages, such as the selvages protection automatic device.

Availability of electrical heated polishing cylinder (pol rotor) for processing plush or acrylic knit.

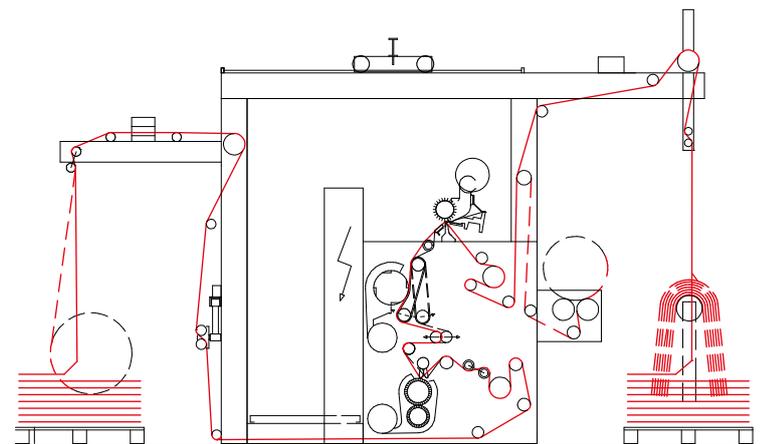
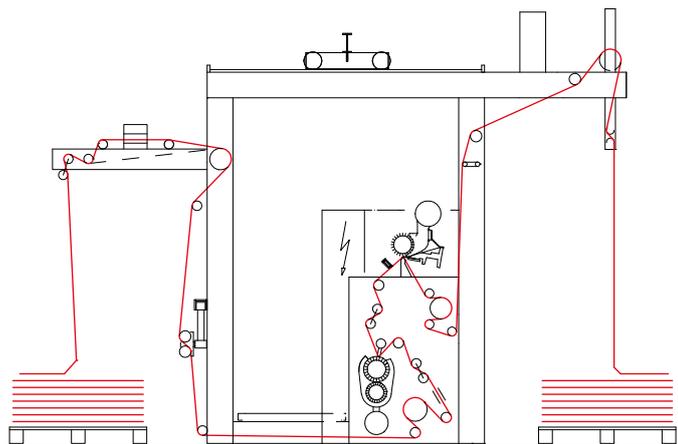
PLUS

- » **Automatic device** to move fabric backwards every time the machine stops.
- » **Device for rapid detachment of the shearing cylinder** from its ledger blade.
- » **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.
- » **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, 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**, thus ensuring a long duration of all electric and electronic components.

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.





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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