

# Biancalani

TEXTILE MACHINERY

english



MILLING  
MADE  
EASY

# MILLA

# MILLA MILLING MADE EASY

Combined washing and milling machine.

## When experience meets technology

Coming from the tradition of quality and the expertise of Biancalani, the MILLA can easily be considered as the state of the art solution for the combined washing and milling of any type of woollen fabric. Pure-wool or blended, carded or combed, woven or knitted: the MILLA is designed for optimal performances ensuring thorough and deep milling on heavy fabrics, and a safe action on lightweight articles, for perfect results, always.

## Four washing and milling channels

Combining a clean and efficient design with cutting edge technological solutions, the MILLA is able to meet the requirements of a modern wool-processing plant, by reliably delivering consistent results, matching high productivity with flexibility and ease of maintenance and use.

## SMART DESIGN FOR SMOOTH OPERATION

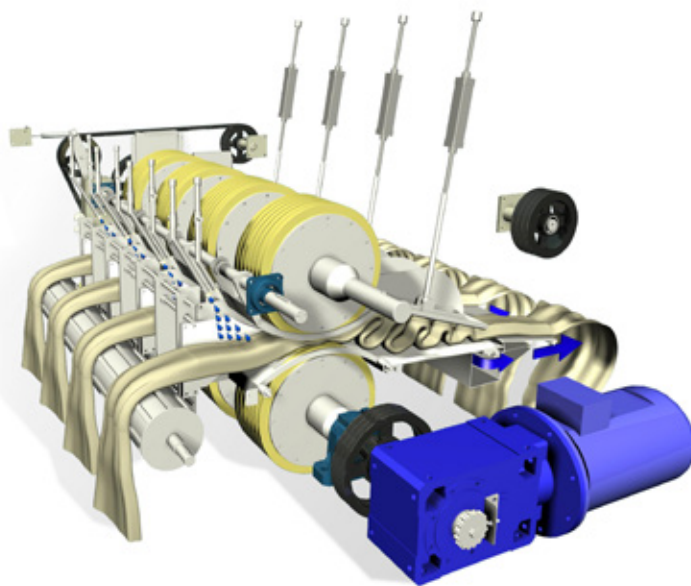
- ✓ The operational parameters are monitored and easily managed through an integrated touch-screen display connected with the PLC;
- ✓ Wide front opening (for loading and unloading operations) and full rear access allow users to easily inspect the machine and simplify the maintenance operations;
- ✓ A pneumatic lightening device for the upper cylinder ensures that no flattening or beating marks will ever occur during the process;
- ✓ Pressure of the milling box plates can be set independently for each channel;
- ✓ An air jet device, continuously spreading the fabric at the exit of each milling box, prevents the formation of crease marks, allowing users to also work with open fabric;
- ✓ Chemical products, in the right amount, can be automatically added to the process from the external tank;
- ✓ The self supporting body, entirely in stainless steel, guarantees toughness and durability, with a compact form factor.



# MADEFORWHATMATTERS

## Applications

The MILLA can be used to obtain perfect washing and milling results on any kind of woollen and wool-blended fabric, in weights ranging from 100 to 1200 grams per metre, woven and knitted, carded and combed, for a really wide range of applications, from men's and women's clothing, to automotive, home textile, and special-purpose materials such as billiards table cloth.



## EFFICIENT TECHNICAL SOLUTIONS

### Air-jet fabric repositioning

The MILLA is equipped - at the exit point of each milling box - with the air-jet device that was originally patented and then successfully implemented by Biancalani over the years, which enables the fabric to open up, change position, and to relax completely before undergoing the stress from milling once again.

This makes it possible to avoid the formation of creases and permanent strains while at the same time helping the milling action, and easing the processing of open-form fabric when needed.

### Getting the right temperature

An automatic water-steam mixing system makes it possible to heat the water at the right temperature (controlled by the PLC) while it is being introduced into the vat.

Furthermore, a steam distributor located on the internal basin heats the water which drips there from the fabric before it is returned into the vat, thus maintaining the desired temperature.

### Everything under control

The MILLA is completely controlled by a PLC, and interfaced with a touch-screen display, simple and immediate, while the inverter-driven motor guarantees the highest energy efficiency. An in-line self-diagnostic system also allows users to constantly check the machine's operative state and to immediately identify any eventual intervention zone.



## Technical specifications

|  |                       |
|--|-----------------------|
| Number of channels                     | 4                     |
| Loading capacity                       | 150 Kg/channel        |
| Treatment speed                        | 25-500 m/min          |
| Distance between fabric guide wings    | 50-170 mm             |
| Capacity of tank for chemical products | 600 l                 |
| Maximum water capacity of the vat      | 2500 l                |
| Maximum water temperature              | 60° C                 |
| Installed electrical power             | 68 kW                 |
| Average absorbed electrical power      | 45 kW                 |
| Dimensions (W x L x H)                 | 4400 x 4600 x 3300 mm |
| Depth of foundation                    | 750 mm                |
| Weight                                 | 6000 Kg               |

THE DATA SHOWN IN THIS CATALOGUE CAN BE CHANGED AT ANY TIME WITHOUT PRIOR NOTICE DUE TO PRODUCT MODIFICATION AND IMPROVEMENT.

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