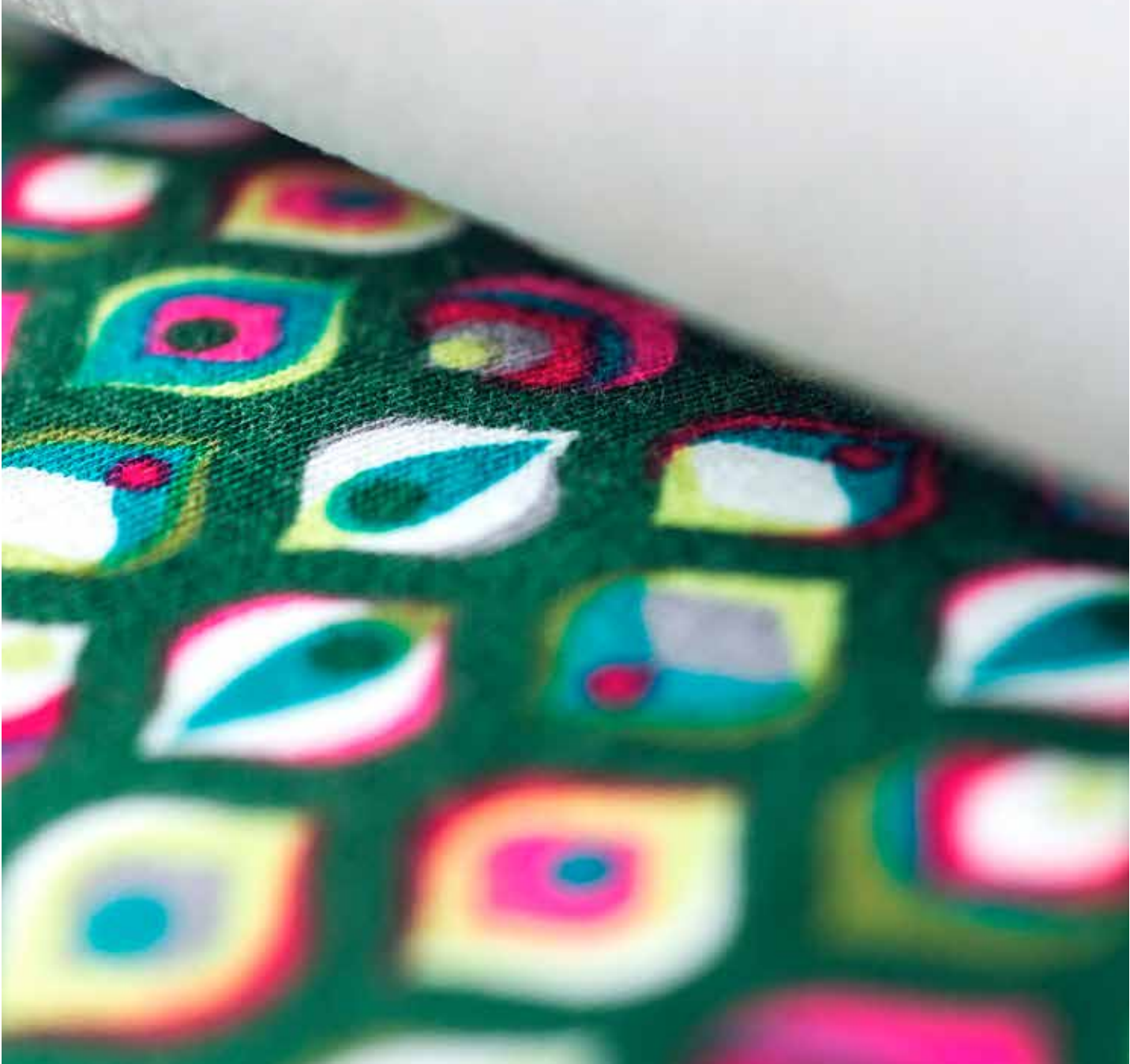


**efi** MEZZERA CONCORD

*Continuous Washing after Dyeing and Printing for Knitted and Woven Fabrics in Rope Form*

# Continuous treatment for fabrics in rope form



# Continuous treatment for fabrics in rope form

Fabric is transported by overflow, therefore tensionless running, different temperature in the various treatment sections, independent squeezing mangle for each channel, high interchange between fabric and counter current liquor.

The Concord represents the ideal improvement in the field of textile machines for the treatment of woven and knitted fabrics in rope form thanks to the reduced consumption and to the limited pollution due to wastewaters.

The actual market situation greatly influences the production dynamics. Concord represents a compact machine with low consumption, high washing efficiency, and great flexibility, especially for fabrics whose weights are between 50 and 700 g/m<sup>2</sup>.

This innovative machine is the result of Mezzera's great experience in designing and manufacturing machines for the treatment of wet fabrics. It is ideal for the pre-treatment of artificial and synthetic fibres, for the neutralising treatment of fabrics after mercerising or caustification, for the relaxing treatment of fabrics, for the treatment of lycra items, and for the after bleaching, dyeing, and printing washing.

Concord has been the market leader for many years, as testified by its indisputable sales success. In terms of flexibility and quality it represents a technological revolution in rope washing (Mezzera was the first to introduce this treatment when we launched the Niagara model).

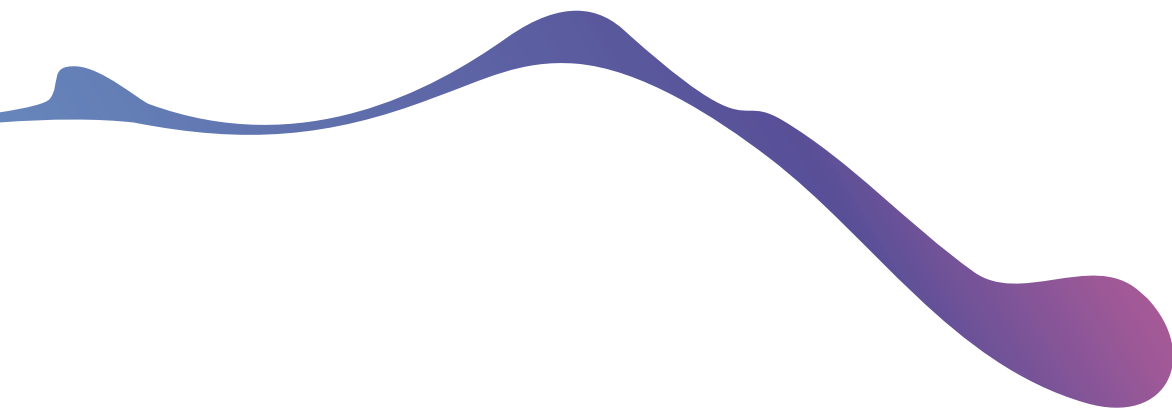
Furthermore, starting from the experience of our forerunners, Concord is reliable even for bleaching of plain and tubular knitted fabrics.

Concord, completely made of stainless steel, consists of a number of channels (8 to 16) which can be subdivided into four or five sections. Thanks to the new design of the fabric feed pipes, the machine can reach higher working mechanical speeds, up to 100 m/min.

From a technological point of view this machine can be divided into four or five sections according to the customer's production requirements.

While moving from one channel to the next one, the fabric is efficiently washed and squeezed. This process reduces the polluting due to wastewaters and at the same time improves the washing results. The liquor undergoes counter-current flow between channels of the same section but it is possible to deliver liquor from one section to another according to specific technological requirements.





Thanks to the overflow transport system the fabric moves ahead constantly immersed in the liquor and totally tensionless. Each section is independent. Each channel is equipped with its own temperature control device (max working temperature 98 °C), water and chemical-product inlet valves, heat exchanger, circulation pump, and an interchangeable filter.

The new squeezing rollers are located in a new functional position to remove fabric-sliding or weft-opening problems. Drive comes from independent inverter-controlled AC motors to ensure perfect synchronisation and continuous speed adjustment without any risks. Each channel has its own control unit to keep constant the preset quantity of fabric, thus ensuring equivalent dwelling times for the whole batch. Each channel can hold 500 litres of liquor and up to 50 kgs of fabric.

The Concord control system is based on a state-of-the-art PLC which accurately controls the fabric speed and the treatment parameters such as water, chemical product, and steam dosage.

Features that make Concord a point of reference on the market:

- Maximum working temperature up to 98 °C
- Maximum mechanical speed 100 m/min
- Average production speed 60 m/min
- Water consumption from 8 to 15 l/kg of treated fabric
- Low energy consumption
- Intense and efficient interchange between bath and fabric
- Simple and intuitive control system to set up the operating parameters
- Automatic chemical dosage
- Bath level adjustment mechanism per each channel section
- Heat recovery system
- Adapt for any kind of fabric (light and heavy) woven and knitted

The Concord meets the solid design and manufacturing traditions that have always characterised Mezzera. Thus the inverter-controlled drive system, fabric transportation by overflow action, automatic control of the process, completely stainless steel manufacturing, and the ergonomic design are all features that testify to the effort to produce a product that is easy to manage and accessible for the machine operator and the maintenance worker.

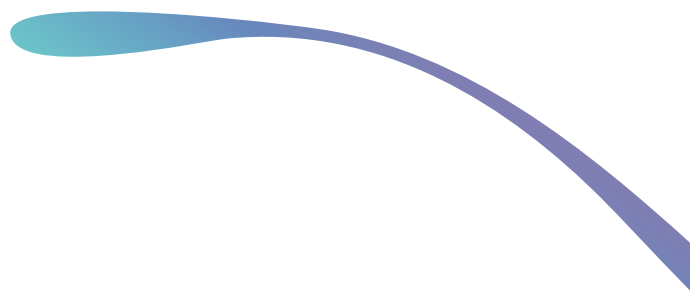
The concrete result of this technology is the acknowledgment of the GREEN LABEL, which, by measuring the emission of CO<sub>2</sub>/Kg of fabric treated, represents the actual environmental impact of the machine in running conditions. This label fixes the 0 and starting point to improve technology and manufacturing processes in the absolute respect of the environment, the trend everybody should follow to achieve excellence.

## New CONCORD LIGHT

### *The Concord designed by ReNOIR*

The new CONCORD LIGHT originates from our digital printing machine ReNOIR, which requests an adequate washing line in terms of dimensions, production capacity, and final quality. Even more versatile, more sustainable (new GREEN LABEL), reduced dimensions, compatible with digital production, CONCORD production standard, reduced investment: these are some of the advantages of the new DIGITAL CONCORD suitable even for small productions with top quality results.

DIGITAL CONCORD obtained the acknowledgment of the INSTALLED POWER (Kw).

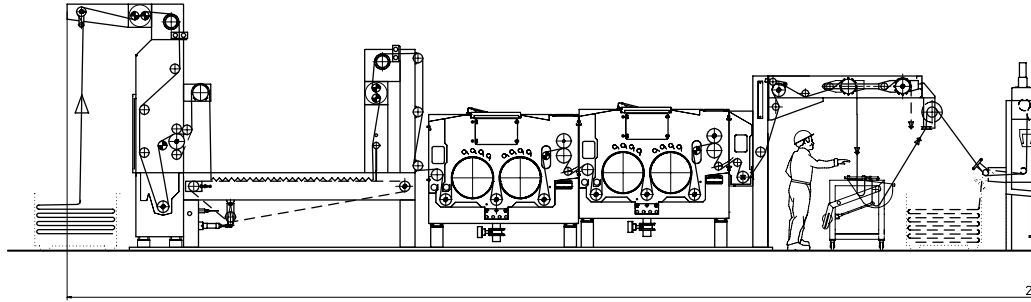




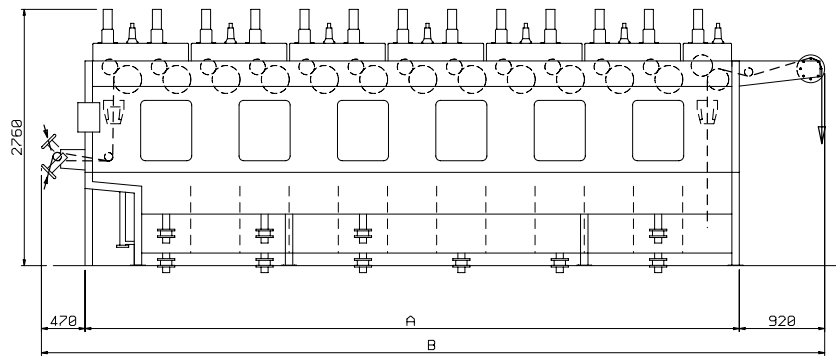
| CHANNELS | LENGTH (A) mm | INSTALLED POWER (Kw) |
|----------|---------------|----------------------|
| 8        | 6320          | 26                   |
| 10       | 7320          | 32                   |
| 12       | 8440          | 38                   |
| 14       | 9600          | 44                   |
| 16       | 10560         | 50                   |



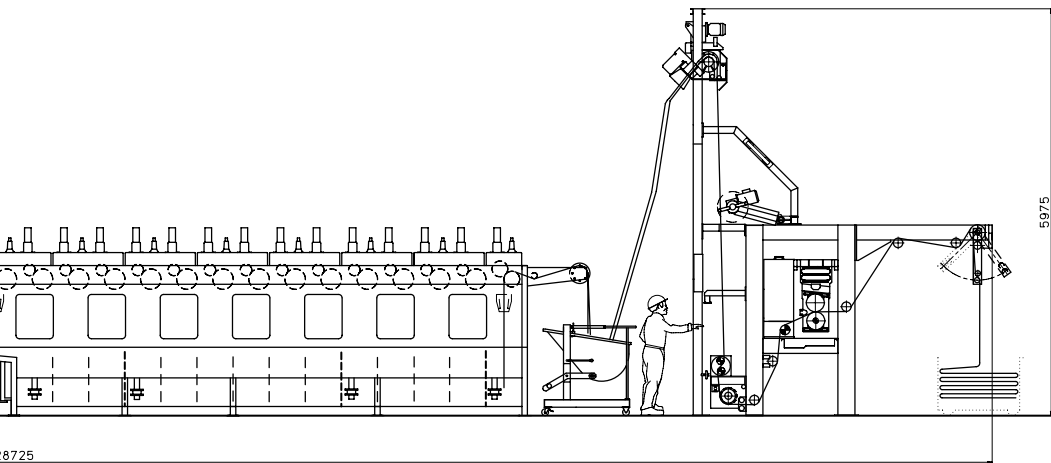
STT + ESSETEX + CONCORD



CONCORD12

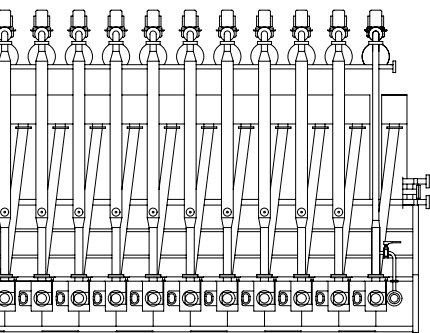


Front view

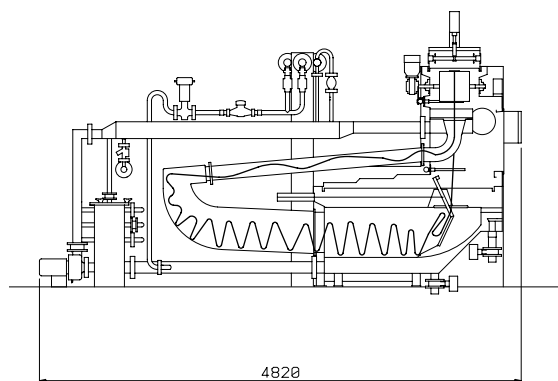


8725

5975



Plan view



Section view

4820

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