

bluetex

Finishing-sanforizing line for denim

Why finishing denim fabric?

Finishing of grey denim fabric takes an important role in fabric properties, appearance, softness and residual fabric shrinkage.

Finishing of denim fabric is carried out for several purposes, and it can vary according to the specific requirement of customer. This process is needed to remove dust and hairiness from grey denim fabric with the consequent application of softeners and chemicals necessary for its wet finishing operation. The line includes the weft-skewing process and pre-drying before the sanforizing process which will guarantee to fabrics a real dimensional stability complying with the highest international standards of lab controls. In addition to shrink-proof results, denim fabric will acquire softness and a nice finishing surface aspect.

Why blueTEX?

The Cibitex finishing process can guarantee the highest standards of quality for the control of residual shrinkage in warp and weft direction with the traditional wet finishing process, which is the most popular solution in denim sector.

The production and controls on the machines are fully automated with the supervision of all the production necessary data for machine setting. Our lines are the fruit of a long experience and research in close contact with end users and Cibitex'customers spread around the world. This long experience is put at disposal of all our new customers who select Cibitex solutions for their wet denim finishing and sanforizing.



End-to-end solutions for textile finishing



shrinktex

Shrinking machine
for woven fabrics



bluetex

Finishing machine
for denim



singetex

Singeing machine



cleantex

Causticizing /
Mercerizing machine

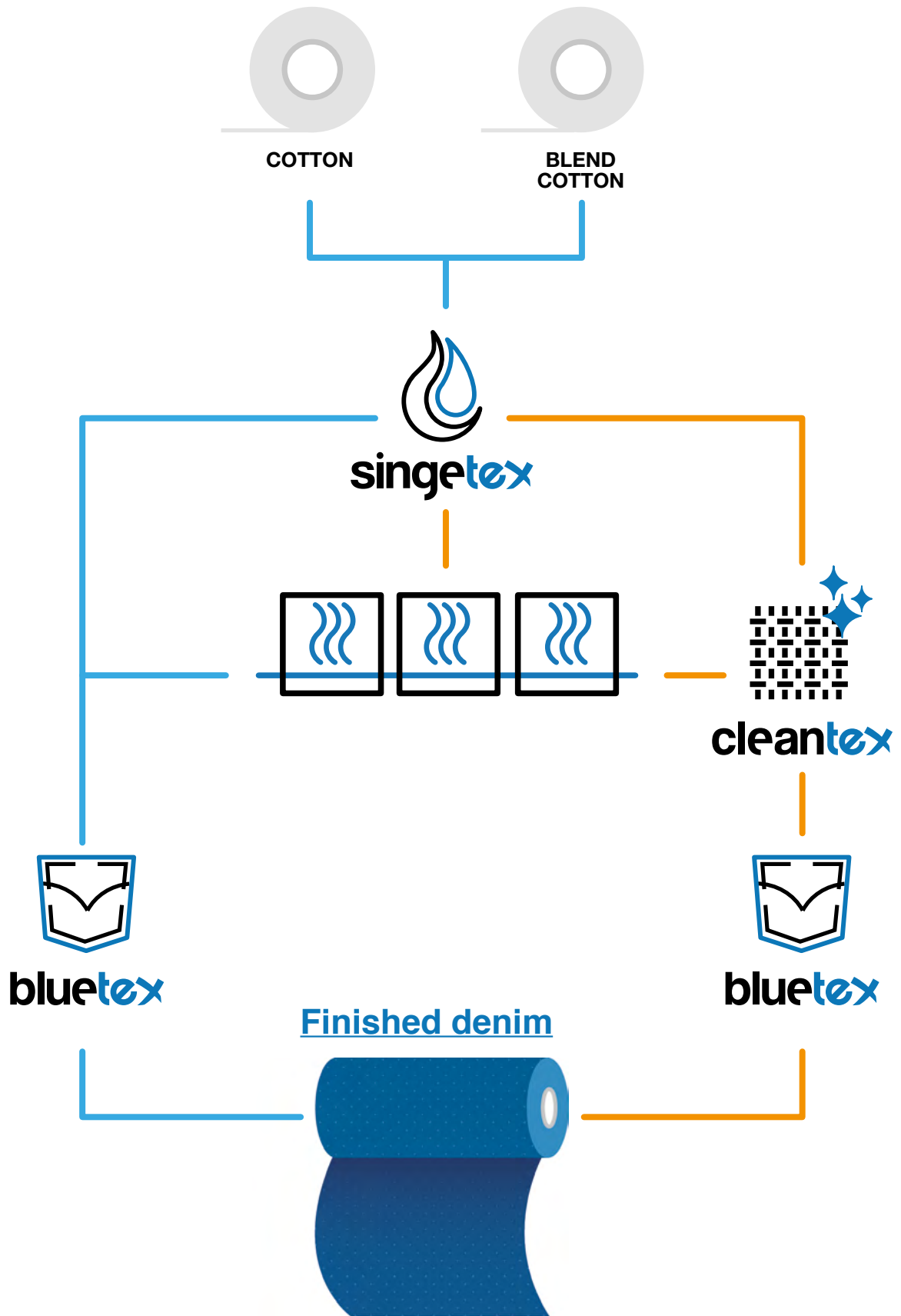


flushbatch

Post-dyeing/printing
washing machine

Italy

Raw fabrics



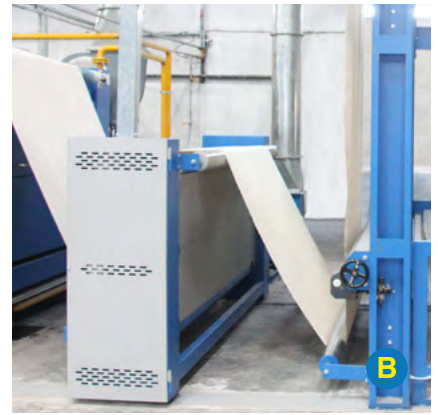
A solution for all your denim finishing requirements

BlueTEX lines are studied, developed and up-dated in accordance to the change of fashion in the denim sector.

We can offer from classic in-line solutions, which has been used for many years, to the discontinue solutions. These solutions can include additional and auxiliary processes for the processing of denim like the desizing, mercerizing and washing or even heat-setting of denim containing elastane. The traditional BlueTEX concept allows to achieve speeds ranged between 35-40 mt/1' on the 14,5 OZ denim while solution with the double shrinkage unit and double felt calender can allow to sensibly increase the speed of production on any kind of denim fabric weights.



A. Entrance frame for feeding denim in rolls arriving from looms or on A-frames



B. Double brushing and double beating unit for cleaning the fabric



C. Double burner singeing unit



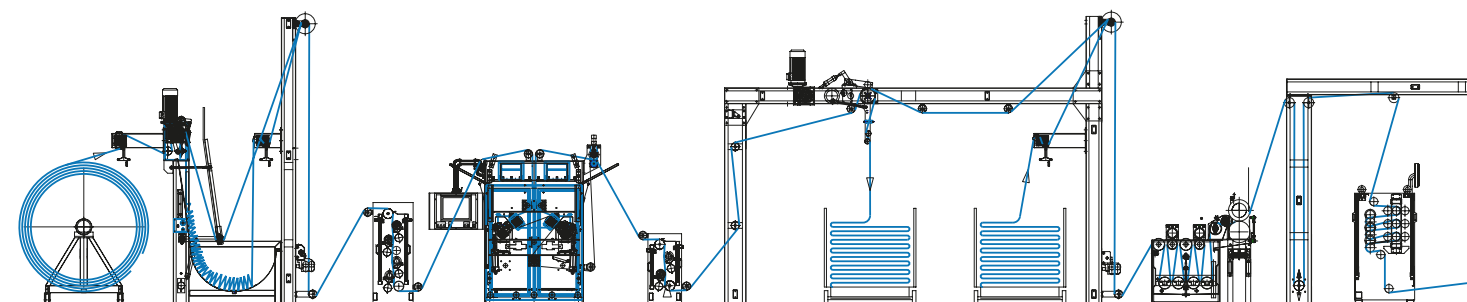
D. Double beating unit after singeing process



E. Possibility to split the singeing and finishing process



F. Wet finishing process for the application of finishing liquor in an uniform and deep application

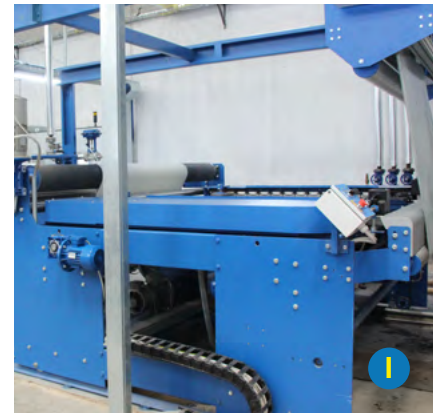




G. High tension unit for stretching and weft-straightening process to prevent the twisting of denim



H. Can dryer with rollers diameter 800 mm



I. Clip tentering unit placed in front of the shrinkage unit



L. Compressive rubber belt shrinkage unit



M. Felt calender diameter 2.500 mm



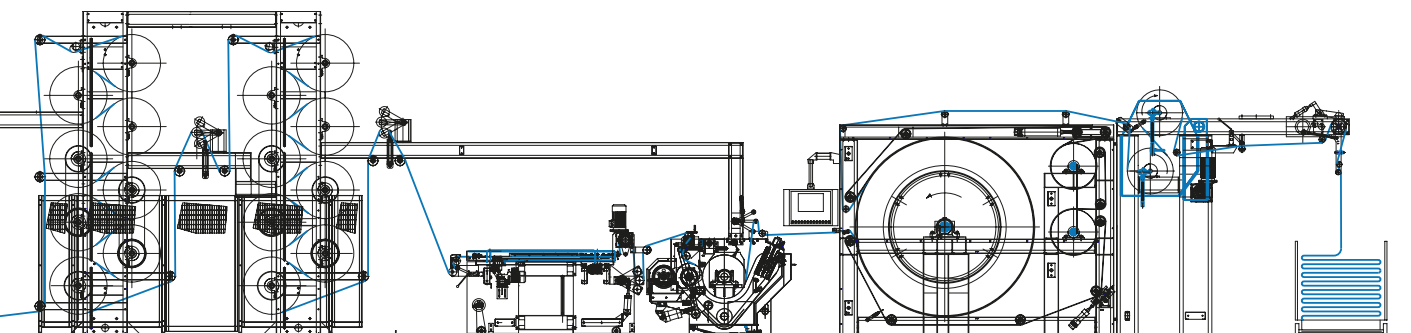
N. Cooling process on denim fabric before the delivery of fabric



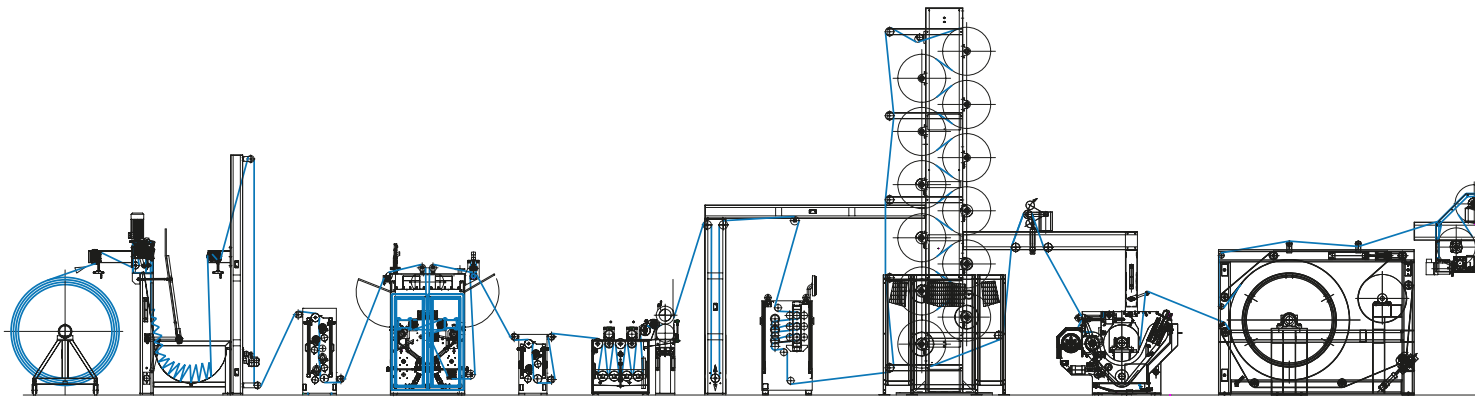
O. Plaiting solution at the exit of the line. Alternative solutions are possible.



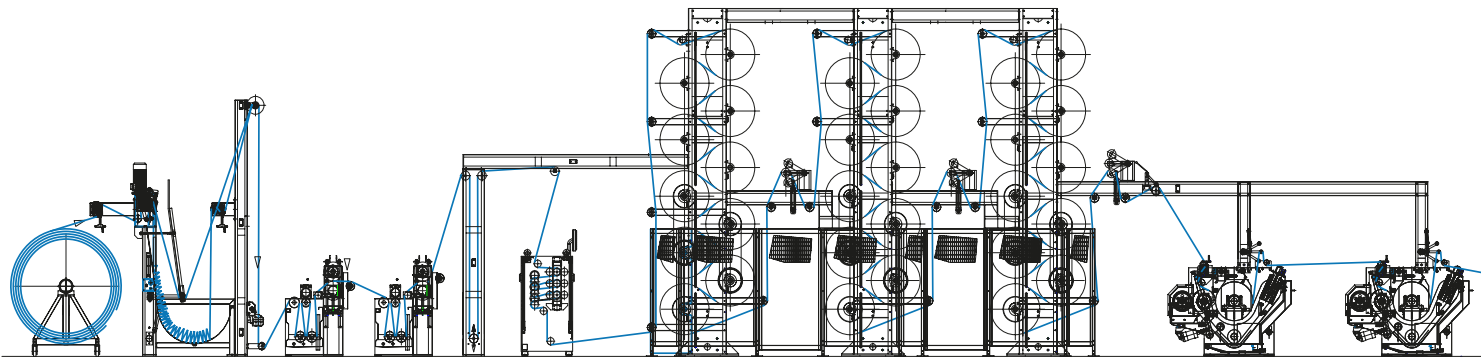
P. Main switch cabinet



Configurations



Configuration A



Configuration B

We care about your specific requirements, that's why we use to build every line in accordance to customers needs and we will be pleased to share our knowledge and experience to find the solution for your denim finishing.

Tailor made

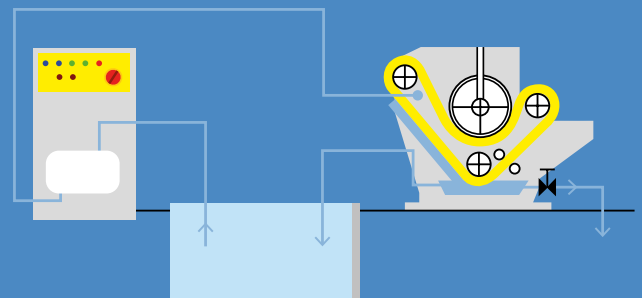
The information that will be collected will enable us to offer you a really tailored solution, to improve the level of your finishing process. A tailored made machine will allow you to have the maximum versatility and will give you the possibility to improve your investment and costs of production.

Cibitex is at your complete disposal to share its know-how.

Water recycling

Thanks to our care for the environment and efforts to reduce pollution, it's possible to complete Cibitex denim finishing lines with solutions to save the water used during the process and recycle it, with many advantages in costs savings in production.

Different solutions can be provided in that sense.



Technical specifications

Working width (mm)

1800 / 2000 / 2200

Fabric to be processed

Cotton and blends made denim fabrics

Production speed

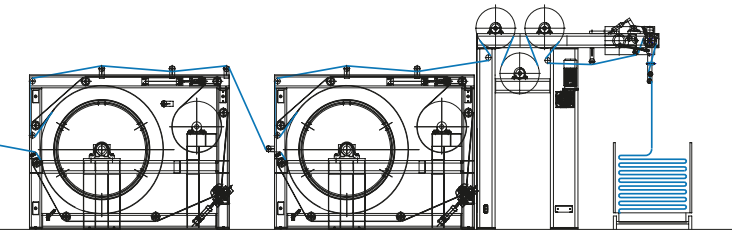
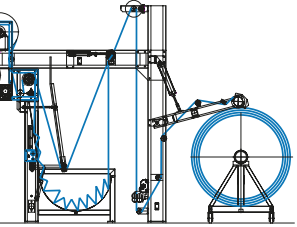
35 - 70 m/min

Possible use of machine

In accordance to its configuration

Accessories

To be discussed and agreed in accordance to your requirements



Accessories

Cibitex machines can be completed with the following solutions



Triple rollers fabric skewing unit with high tension stretcher



Pick counting system for the control of fabric shrinkage



Wet and dry cleaning filters to collect dusts and release clean air



Long chain clip tentering unit

We are green

Green philosophy & citizenship

As a proud **member of Acimit** we spend all our efforts to be a sustainable company and provide the textile industry with sustainable technologies. We are based in the heart of the Olona River Valley, in the great Ticino Park area, a Unesco Man & Biosphere Reserve. We take care of our local community and wildlife, reducing the noise and the impact of our manufacturing at the lowest level possible.

- We adopt manufacturing machinery, techniques and behaviours that help **reducing CO₂ emissions and water consumption**.
- We **reduce and recycle** all the waste produced by our manufacturing plant according to the strictest rules.
- We manufacture highly efficient technologies that **reduce power consumption** and allow our customers to respect the environment and save money.

A continuous commitment to be virtuous

Cibitex believes in social responsibility as a core value.

For this reason we're constantly engaged in the adoption of internationally recognized best practices in the conduct of our business and customer, suppliers, partners and stakeholders relationship management.



Service & Maintenance

- **Cibitex customers** not only buy a product, but can also rely on a partner who's committed to their needs, even the most specific and challenging ones.
- **Cibitex machinery** is equipped with a built-in connection to customer's machinery, which allows our service engineers to detect any malfunctioning and/or schedule possible updates.
- Our service engineers are trained to fix any mechanical, electrical and/or electronic faults.
- **Cibitex** can quickly provide customers with spare parts and services all around the world, thanks to a centralized warehouse and a well established logistic platform.

