

MEASURE

High-performance semi-continuous fabric pre-treatment and wash off

TYPE	CATEGORY	ESTIMATED INVESTMENT EXPENDITURE	ESTIMATED OPERATIONAL EXPENDITURE
Energy & Water	Best available technologies	\$\$\$ - From 320,000 to 475,000 USD.	Null

TRADITIONAL TECHNOLOGY DESCRIPTION

Pre-treatment and washing off can be performed in a machine where processes are conducted continuously or in a discontinuous machine (i.e. jet, jigger) depending on fabric type. Whereas discontinuous machinery is high water and energy consuming, continuous machinery needs high volumes to be efficient in terms of water and energy consumption.

BEST AVAILABLE TECHNOLOGY DESCRIPTION

High-performance semi-continuous fabric preparation and wash off machine combines continuous machinery technology (spray vacuum washer, submerged suction and counterflow washing) with a discontinuous methodology what allows significant savings of water and energy.

MAIN BENEFITS OF BEST AVAILABLE TECHNOLOGY

- / Allows any preparation or wash off process to be carried out completely autonomously and automatically.
- / Capacity for a roll of fabric up to 1,600 mm in diameter (more capacity than any jigger or jet).
- / Process performance is the same as continuous process machines but with more flexibility.
- / Much less room is needed compared with a continuous process machinery.

RESOURCE REDUCTION OF PROPOSED TECHNOLOGY VS TRADITIONAL TECHNOLOGY

/ **Water:** Up to 26 % / **Electricity:** Up to 17 % / **Steam:** Up to 23 %

LIMITATIONS

This technology is not suitable for knitting articles and fabrics with high elasticity in warp yarn.

BEST AVAILABLE TECHNOLOGY MANUFACTURERS INFORMATION

For more information about this technology, you can contact below manufacturer:
/ TVE Escalé - Spain

Note: This is not an exhaustive list of suppliers and Inditex does not impose the use of any of above brands.

