

JEANOLOGIA: New technology for jeans finishing, faster and with less energetic consumption

The textile laser and the eco-washing machine G2 was shown at ITMA Barcelona. This new technology makes possible savings of 62% of power, 67% of water and 85% of chemical products and 55% of time in jeans finishing.

Jeanologia company presented latest innovations for Jeans finishing, under the slogan of 3E (Ecology, Efficiency and Ethics), that allows to get greater energy, water, chemicals and time savings.

Jeanologia has long been a pioneer in the development of textile laser which has avoided the use of unhealthy techniques and has reduced the energy consumption and the pollution. This laser can reproduce authentic worn patterns on Jeans reducing production time and assuring reproducibility achieving true authentic look.

As well as laser, Jeanologia has G2 Technology, an eco-washing machine that works only with active oxygen and ozone, allowing wash jeans and shirts with vintage finishing, without using water or chemicals.

The new laser technology will allow greater production compared with other ways of jean finishing such as manual scraping, spray or sandblasting.

Laser offers high levels of productions. With laser technology 100 or 200 of jeans can be produced per hour, while manual scraping produces only 10 units per hour, sandblasting 30 and spray 60.

Specifically, the G2 technology allows to save per garment a 62% of Kw/h, a 67% of water (liters), an 85% of chemical, as well as a 55% of production time.

The environmental benefits that this new technology brings are impressive. That is six billions units of Jeans per year



Jeanologia G2 is eco-washing machine that works only with active oxygen and ozone.

are produced in the world, it means that every jean consumes 70 liters of water, 1 kw/h and 150 grams of chemicals, this figure represents per year 420 million m³ of water, 6 billion kw/h and 900,000 tons of chemicals.

If everyone in the textile industry starts using this new technology, the equivalent of 2 years of human consumption of water in Paris and 2 years consumption of electricity in Nepal could be saved per year, as well as 720,000.00 tons of chemicals products.

Jeanologia has established itself as one of the world leader in the development of technologies for denim. Exports account for 90% of the turnover and more than 1000 GFK laser system units have been installed in 45 countries around the world, such as USA, Germany, Italy, Portugal, Brazil, India, China, Russia, Mexico, Japan, Morocco, Bangladesh and Colombia.

The most important brands like Levi's, Polo Jeans, Abercrombie & Fitch, Edwin Japan, Pepe jeans, Diesel, Hilfiguer Denim, Salsa jeans, or great retailer like GAP, Uniclo or Zara, have trust in this Spanish company, using technologies developed by them. ♦



The new laser technology allows greater production speed when compared with manual scraping, spray or sandblasting.

Logic Art Automation presents Multi-Batch Dyer

Within a relatively short period, Taiwan based Logic Art has grown to be a major force in Dye House Integration to rival the traditional European suppliers.

Building on the wealth of textile experience of its founders and a policy of consultative development with our customers, Logic Art now offers a complete range of modular based, Dye machine Controllers, Supervisory Systems, Production Powder and Liquid Chemical Dispensing, Dissolving and Distribution Systems, Laboratory Dispensing, Stock Solution Preparation and Infra- Red Dyers.



Alan W. Brinsmead, Regional Director with George Juan, Executive Director of Logic Art Automation Co. Ltd.

LA-652: Laboratory Multi-Batch Dyer

The LA-652 Laboratory Multi-Batch Dyer is designed to improve laboratory dyeing, eliminate uneven dyeing, and at the same time dramatically increase laboratory efficiency in a single dye machine.

It incorporates the latest industrial PC technology; individual temperature and dye program control for each of 18 beakers; a rotational system; automatic chemical auto-dosing for each beaker, and low liquor ratio dyeing.

The machine reports an increase of 3 to 4 times greater productivity than traditional dyers by: Independent dyeing control for each of the 18 beakers. Each beaker can have different liquor volumes and can be loaded and removed individually without affecting other beakers/programs.

Logic Art Automation is represented in Pakistan by AHS Textile Machinery Company. ♦