

Erbatech

World leader in continuous wet finishing of sensitive fabrics

The continuous technology – especially in the open-width form – offers reduced production costs (–25% compared to jet technology) and excellent fabric quality.

Erbatech is global leader in continuous wet finishing of sensitive fabrics.

Erbatech's SCOUT COLOR dye padder (Cold Pad Batch) for open-width reactive dyeing of knitwear



Erbatech's SCOUT pretreatment range PW2/D2 for continuous scouring, pad-steam bleaching and washing of knitwear



Economic solutions for finishers of knitwear

Textile finishers around the globe constantly thrive for higher fabric quality and lower production costs.

In terms of fabric quality, everybody aims at obtaining:

- Lustre surface (without hairiness)
- Even and deep colors
- No abrasion and no crease-marks at the surface

At the same time, competition and commercial aspects put a lot of pressure on production costs, of which the most important ones are:

- Steam
- Water
- Electricity
- Chemicals, etc.

Lastly, customers demand a long-lasting machine design, easy-to-use machines and a reliable partner when selecting their machinery.

In many reference installations both in Europe and in Asia (especially India and China), Erbatech has repeatedly proven its great know-how and commitment to customers to help them become or stay the best in their markets.

Wet finishing of cotton and cotton-blends

Erbatech offers a variety of machine-types, all within a modular concept, which can be customized to fit the customer's specific need.

- Open-width processing (SCOUT)
- Tubular processing (GALAXY)
- Rope processing (DELPHIN)

Erbatech's SCOUT ranges

The open-width family SCOUT is the machine of choice for most customers. Erbatech offers:

- Pretreatment ranges
- Dyeing padders (CPB)
- Washing after dyeing
- Washing after printing

SCOUT ranges are designed to treat very sensitive fabrics, such as knitwear with significant Lycra contents. Constant tension control eliminates longitudinal stretching. A relaxed fabric run relaxes the fabric and minimizes residual shrinkage potential. The application of the counter-flow principle saves large

amounts of water, steam and chemicals. In addition, the treatment in open-width form produces a perfect fabric surface, with no crease-marks and no hairiness.

GALAXY ranges for tubular processing

Continuous processing for tubular fabrics (e.g. body-size) is offered by the latest GALAXY III range. The third generation of this successful family was designed to minimize tension and eliminate folding-marks which are generally present in competitor's machines. GALAXY III ranges are offered for pretreatment and washing after dyeing. It is more and more common that finishers use a continuous method (GALAXY) for the pretreatment, before they use overflow technology to dye the fabric. In order to save water during the washing/rinsing step, they use – once more – a GALAXY range for washing after dyeing.

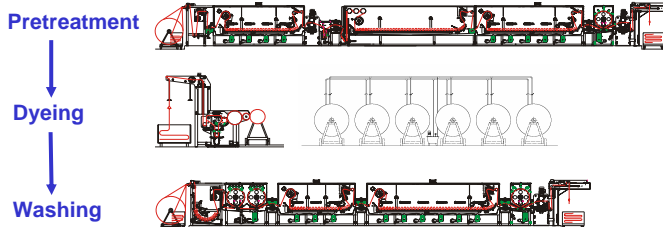
Synthetics pretreatment on SCOUT ranges

The pretreatment of sensitive synthetic fabrics, such as Polyester, Nylon fabrics with up to 35% Lycra content, are the specialty of our SCOUT open-width pretreatment ranges. Constant tension control and highly effective spreading devices throughout the machine (to avoid selvedge curling) are the basis of excellent fabric quality. In addition, Erbatech's unique design avoids any under-liquor fabric path in order to obtain far better washing efficiencies than any other pretreatment machine.

Erbatech's process technology department

Besides supplying high-quality machines, Erbatech also has a process technology department at the service of customers. They help with virtually any textile processing question. They also consult future investors in the set-up of whole finishing plants.

Advantages of continuous open-width wet finishing: Cotton



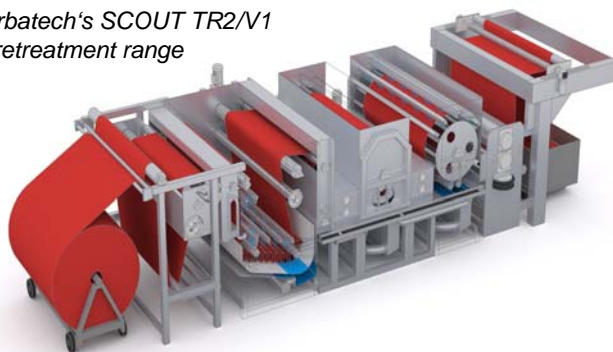
Low production costs (compared to jets):

• Dyestuff and chemicals costs	- 20 %
• Water consumption	- 60 %
• Steam consumption	- 65 %
• Power consumption	- 45 %

Outstanding fabric quality (compared to jets):

- No crease marks
- Excellent color uniformity; great depth of colors
- Lustre surface, without pilling/hairiness

Erbatech's SCOUT TR2/V1 pretreatment range



Erbatech's SCOUT TR4/V1 pretreatment range, as installed at Tübas,

