

RESPECT. RESPONSIBILITY. REVOLUTION.

weko

TOGETHER TOWARDS A MORE SUSTAINABLE DENIM INDUSTRY

New innovative and contact-free spray applicators are revolutionizing the whole textile finishing process. The specially designed **WEKO-NEO** finishing system and the new processing is adaptable to any existing or new stenter frame with or without coating head, Pad – steam-wash or Pad –dry wash over dyeing line, Singe – desize – wash line or sanforizing line. One system fits it all spending the given savings in resources and costs.



TINTING / OVERDYEING



SINGLE OR BOTH SIDE APPLICATION



NEW FASHION EFFECT



SOFTENING



RESIN AND FLAT FINISHING



HYDROPHOBIC / WATER REPELLENT
(WORK AND OUTDOOR WEAR)



SOIL AND OIL REPELLENT
(WORK AND OUTDOOR WEAR)



COLOR FIXATION

DENIM FINISHING WITH **WEKO-NEO**

The worldwide DENIM production is suffering from immense cost pressure and is driven by using high volumes of fresh water, energy and chemicals with comparatively slow production speeds caused by high pick-up in conventional padding method. Also tailing, shade variation and Center – Side variation are common issues in today's processing.

This belongs to the past by switching to **WEKO-NEO** contact-free spray application. Whether you apply softening, resin or flat finish, sewability improvement, hydrophobic, dirt or soil repellent, flame retardant, fixing, antibacterial or hydrophilic agents - the use of auxiliary and the necessary dryer energy is significantly reduced by the

exact pick-up control due to forced spray application. WEKO could adjust penetration level to fabric and therefore creates penetration only when needed. Most of the finishing applications are needed purely on top surface with very less penetration e.g. over dyeing, fixing, softening, hydrophobic.

Brands and retailers are also looking for back side clearly visible white twill line, not over dyed look, but a more deep, different color with more solidity in same or contrast tone that gives wide range of wash down possibilities – Do it with WEKO single side tinting and over dyeing technology and save dye stuff and auxiliary by reducing pickup by minimum 50%, Improve sales price based on unique and optimal product quality. Create new fashion effects by multicolor process in a single run.



BE UNIQUE, PROFITABLE AND SUSTAINABLE!

weko

NEO

SAVE UP TO

- **70% OF WATER**
- **65% OF CHEMISTRY**
- **80% DRYING ENERGY**

ELIMINATE

- **TAILING**
- **CENTER-SIDE-VARIATION**
- **LONG DOWNTIMES**
- **BOTH SIDE APPLICATION IF NEEDED**

REDUCE

- **PCF**
- **MATERIAL STRESS**

RAISE

- **LINE SPEED**
- **MACHINE UPTIME**
- **PROFITABILITY**
- **BRAND AWARENESS**

WATER – one of the most important resources for mankind! About 100-150 liters of valuable water are required to process 1 kg of cotton and cotton blend fabric. We should have respect for this resource and always be aware of our responsibility by taking care of a water reduced textile production!

ENERGY is mostly created by intensive processing of diverse resources and beside its costs, it has a big influence on our PCF. Reducing costs and PCF is an important goal of worldwide economic activities. During finishing on stenter frames, mostly padder/foulard is used with an integrated squeezing unit. Pick-up rates up to 120 % are used. This results in high energy consumption for the following drying process, fixation and polymerization.

PRODUCTION EFFICIENCY is a must for realizing reasonable pricing to brand owners and retailers. On diverse textiles, especially with higher weight, the installed drying capacities are partly too low and speed must be dramatically reduced by up to 65 %. Constantly increasing product variety and shorter batch length result in costly downtime of machinery, higher waste of material, power and auxiliaries.



YOUR BENEFITS

- Reduced pick-up
- No material contact (no stress)
- Less drying energy
- High speed production
- Saving water and waste water
- One or both side application
- Adjustable penetration level

APPLICATIONS

- Fixation
- Resin finish
- Flat finish
- Lustre / Brilliance
- Grip modification (f.e. Softener)
- Tinting and over-dying
- Whatever you need

