



CHT – spin finishes for WEKO rotor application system

UNIQUE IDEAS. UNIQUE SOLUTIONS



WEKO rotor application system

How it works

The WEKO-FLOW Liquid Supply Unit provides the WEKO-SIGMA rotor carrier with the desired amount of liquid and controls the entire system. The frequency-controlled rotary pump transports the liquid from the storage tank to the rotor carrier. Application occurs by specifically designed spray disks, called rotors, which are located one next to each other within the rotor carrier. Through the rapid rotation of spray disks, the so-called rotors, a defined stream of micro-droplets is formed; via adjustable sliders they create a uniform liquid application. The application volume is thereby adapted to the machine speed. Liquid not sprayed can be returned to the storage tank of the Supply Unit.

Application fields

This well-proven liquid application system is used in a variety of applications and can be adapted to many different requirements thanks to its variability and modular design. So WEKO rotor application systems can easily be incorporated in already existing finishing lines.

Due to this spray technology PP spunbond can be given different properties such as hydrophilicity, antistatic, softness, antimicrobial properties and so on.

Advantages

This WEKO rotor application system offers numerous advantages for many fields of the textile and nonwoven finishing:

- exact adjustment of fluids
- minimised use of chemicals
- reducing of dryer costs
- fast changing of the liquor
- front- and reverse side coating
- up to highest web-speeds
- for web width up to 7.000mm

- contact-less application, therefore:
 - no chemical contamination / bath contamination (less waste / disposal costs)
 - reduced pollutant content in effluent wastes
 - careful fabric treatment of low tension, maintenance of the fabric structure



CHT products for spray application

PP spunbond hygienic

hydrophilic

DURON OF 1547 (permanent, supersoft)

DURON OF 1547 AV (permanent)

DURON OF 1547 LA (permanent)

DURON OF 4012 (permanent, soft)

DURON OF 4012 BOT (permanent, soft, with botanicals)

DURON SL 4069 (permanent)

DURON K 4076 (component with botanicals)

DURON SL 4077 (standard hydrophilic)

hydrophobic

DURON SL 2221 (soft, silicone free, FDA and EU 10/2011 complying)

PP spunbond nonhygienic

DURON SL 4077 (standard hydrophilic)

DURON 7024 (hydrophilic antistat)

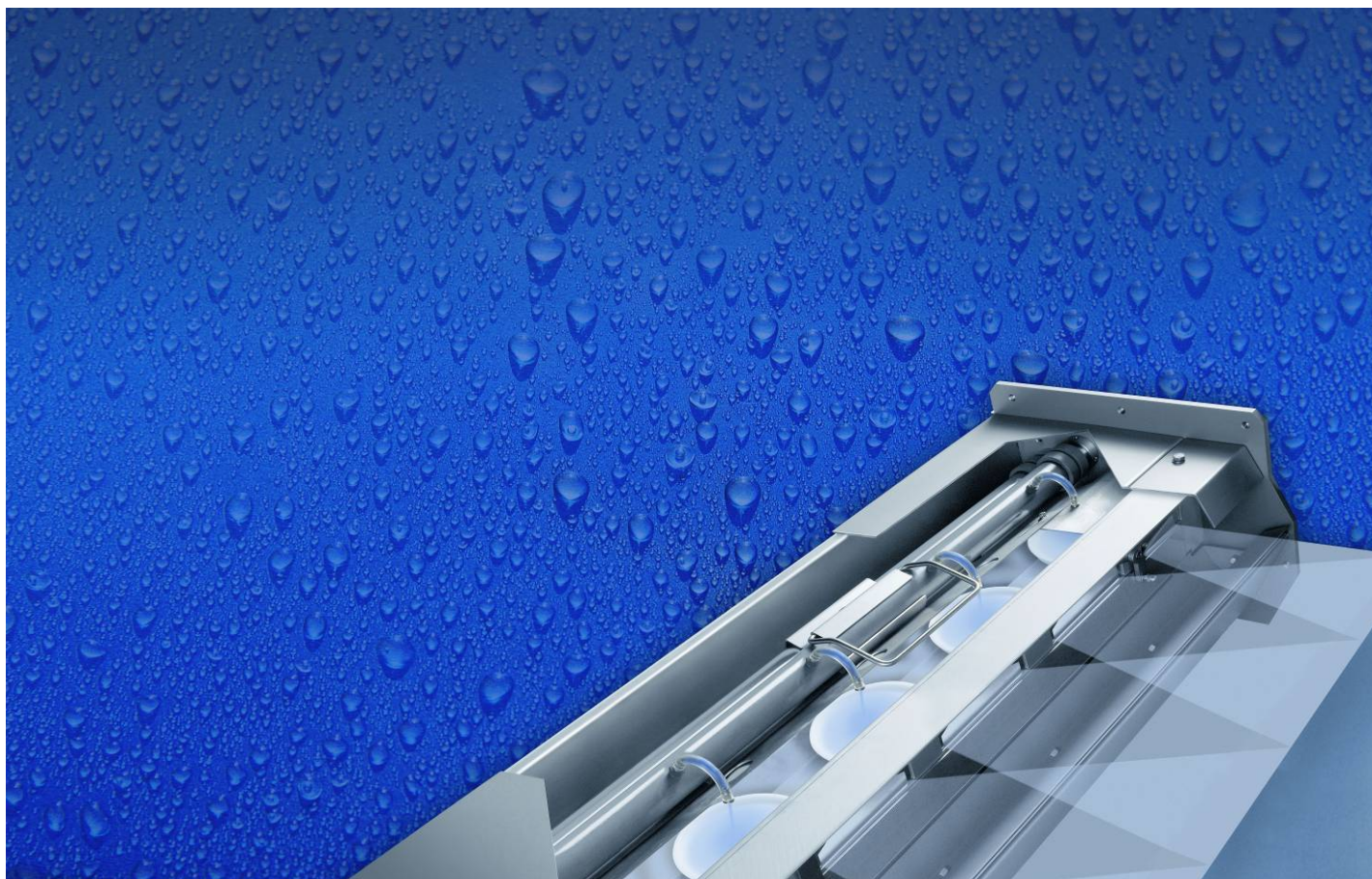
DURON 3 P (hydrophobic antistat)

DURON NV 3180 (low foam)

DURON SL 2206 (soft, hydrophobic, non silicone)

DURON SL 3204 (soft silicone, hydrophobic)

DURON SL 3214 (dust catching)



Pictures provided by Weitmann & Konrad GmbH & Co. KG

Version 12/2016

Qualitätsmanagement ISO 9001:2008 | Umweltmanagement ISO 14001:2004

