

CHT - products for WEKO rotor application system

UNIQUE IDEAS. UNIQUE SOLUTIONS



WEKO rotor application system

Function principle

Application occurs by specifically designed spray disks, called rotors, which are located one next to each other within a rotor carrier. The supply unit provides them with the desired liquid quantity. Rapid rotor rotation produces a uniform flow of microscopically small droplets. Adjustable sliders form a defined spray fan on each rotor, and the individual spray fans are arranged next to each other without a gap and cater for a uniform application.

Advantages

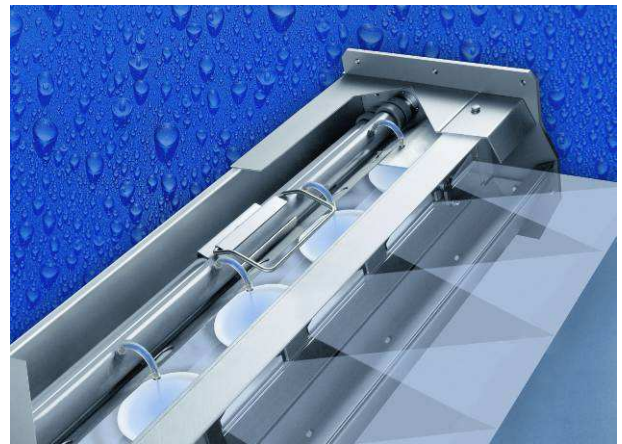
This WEKO rotor application system offers numerous advantages for many fields of the textile finishing:

- even and adjustable distribution of the applied liquor
- careful fabric treatment of low tension, maintenance of the fabric structure due to contact-free application
- fast changing of the liquor
- reduced pollutant content in effluent wastes
- also suitable for application on both sides
- energy saving during drying (dry-on-wet application); substantial production increase of the dryer
- easy processing of wet-on-wet application
- no dilution of the liquor during wet-on-wet application

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 not only re-wetting with water is possible, but several chemical products like softeners, additives to improve sewability or antistatic agents can be applied.



Application examples

Calender

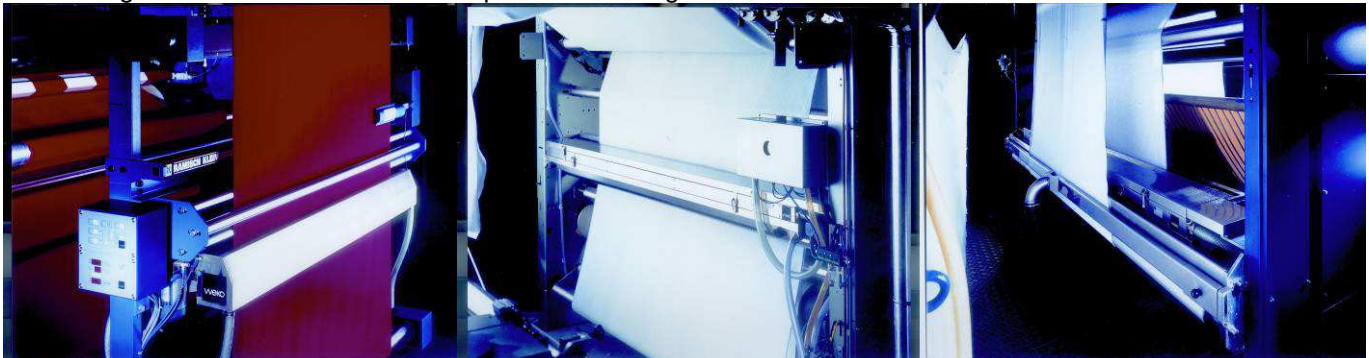
Improving the shine and other surface effects by defined moisturing.

Sanforiser

Wetting the fabric with water or sanforising agents to achieve optimum shrinkage effect.

Stenter frame

Use in front of the stenter to replace the padder and applying different finishes.



CHT products for spray application

Antistatic agents

AVISTAT 3 P	a	Efficient thermo stable antistatic agent based on phosphoric acid esters
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Deaerating agents

KOLLASOL CDO	n	Highly efficient deaerator to avoid foam during spray application
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Gloss finish

ARRISTAN 66*	n	Semi-macro emulsion of a functional polysiloxane
POLYAVIN PEN	n	Emulsion of a high melting polyethylene
TUBINGAL RNJ	n	Compound of fatty acid condensate, polyethylene and waxes
TUBINGAL FMH	n	Amino-amido functional silicone micro emulsion

All gloss finishing agents have to be applied in combination with a mechanical finish e.g. calander.

Hydrophilizing agents

ARRISTAN AIR	n	Polyester-copolymer for synthetic fibres
TUBINGAL WET	n	Silicone polyether

Hydrophobic and oleophobic finish

TUBIGUARD 270*	c	Fluorocarbon dispersion for water and oil repellency
TUBIGUARD 86-F*	c	Fluorocarbon dispersion for water and oil repellency, PFOA free** <i>** below detection limit</i>

Raising aids

POLYAVIN PEN	n	Emulsion of a high melting polyethylene
TUBINGAL 220	n	Universal fatty acid condensation product
TUBINGAL HWS	sc	Hydrophilic silicone compound
TUBINGAL RNJ	n	Compound of fatty acid condensate, polyethylene and waxes
TUBINGAL RSK	sc	Silicone compound softener

Sanforizing agents

POLYAVIN PEN	n	Emulsion of a high melting polyethylene
TUBINGAL HWS	sc	Hydrophilic silicone compound
TUBINGAL RNJ	n	Compound of fatty acid condensate, polyethylene and waxes
TUBINGAL RRW	sc	Blend of fatty acid condensate with polyethylene

n = non-ionic
sc = slightly cationic
c = cationic

*Addition of KOLLASOL CDO recommended for foam inhibition, control liquor dwelling time.

Softeners

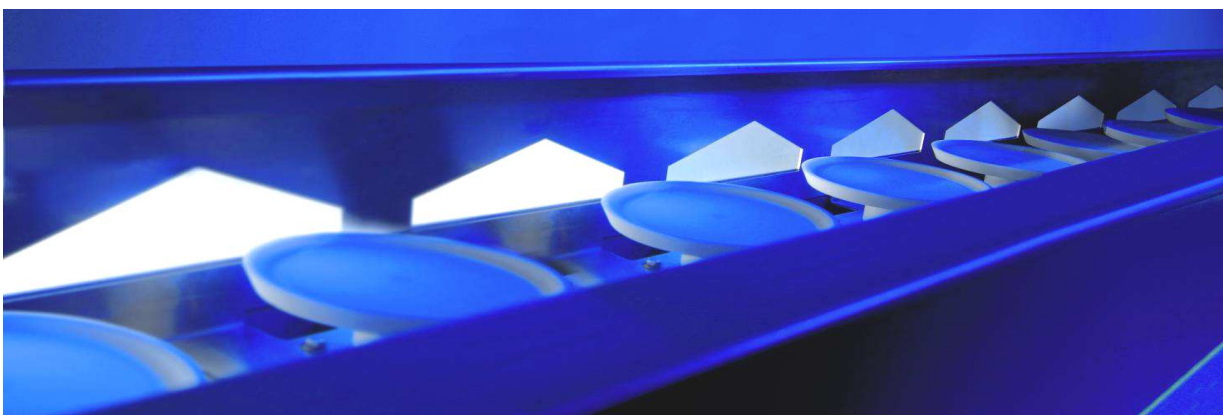
ARRISTAN 66*	sc	Semi-macro emulsion of a functional polysiloxane
ARRISTAN 71	n	Semi-macro emulsion of a functional polysiloxane
TUBINGAL 220	n	Universal fatty acid condensation product
TUBINGAL 3S	n	Silicone emulsion especially for synthetic fibres
TUBINGAL FMH	n	Amino-amido functional silicone micro emulsion
TUBINGAL ACE	sc	Hydrophilic silicone compound
TUBINGAL GSI	sc	Hydrophilic emulsion of a modified polysiloxane
TUBINGAL HWS	sc	Hydrophilic silicone compound
TUBINGAL ISP	sc	Micro emulsion of an aminopolyether functional polysiloxane
TUBINGAL RGH	c	Micro emulsion of an organo functional polysiloxane
TUBINGAL RMG	n	Universal silicone compound
TUBINGAL RNJ	n	Compound of fatty acid condensate, polyethylene and waxes
TUBINGAL RRW	sc	Compound of fatty acid condensates with polyethylene
TUBINGAL RSK	sc	Silicone compound softener
TUBINGAL SMF	sc	Micro emulsion of a functional polysiloxan

Sewability aids

POLYAVIN PEN	n	Emulsion of a high melting polyethylene
TUBINGAL RNJ	n	Compound of fatty acid condensate, polyethylene and waxes

n = non-ionic
 sc = slightly cationic
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*Addition of KOLLASOL CDO recommended for foam inhibition, control liquor dwelling time.



Pictures provided by Weitmann & Konrad GmbH & Co. KG

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Qualitätsmanagement ISO 9001:2008 | Umweltmanagement ISO 14001:2004

