



# CHT

SMART CHEMISTRY  
WITH CHARACTER.

## WEKO

CHT products for  
WEKO rotor application system



FLUID &  
POWDER  
COATING

# WEKO rotor application system

## Function principle

With the WEKO rotor application system, various finishing liquors can be applied to different textiles without contact. The contactless minimal application of WEKO fluid application systems (WFA) combines cost efficiency and resource conservation. The goal is to make textile production more sustainable and to reduce the consumption of freshwater/wastewater, chemicals, energy and waste.

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.

## 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 support processing, hydrophilic, hydrophobic or antistatic agents can be applied.

## Application examples

### Hydrophilicity

DURON spin finishes impart the PP spunlaid a well-balanced moisture management, e.g. application diaper.

### Softness

Spraying of soft touch spin finish on nonwoven leads to a better wearing comfort.

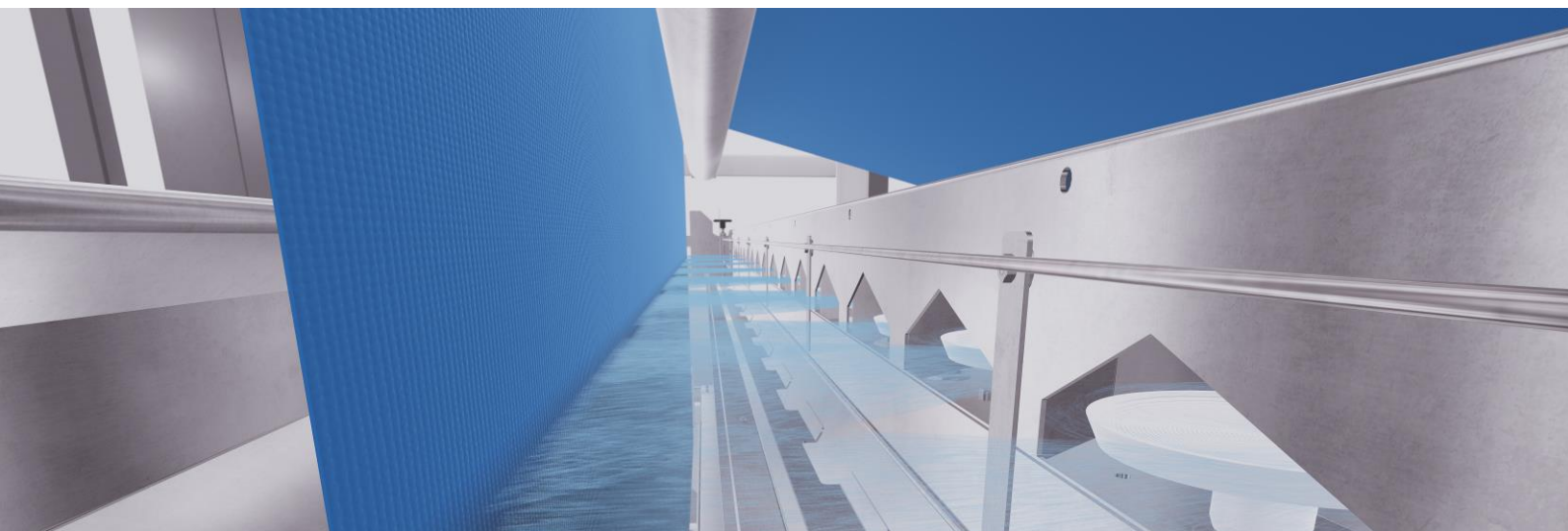
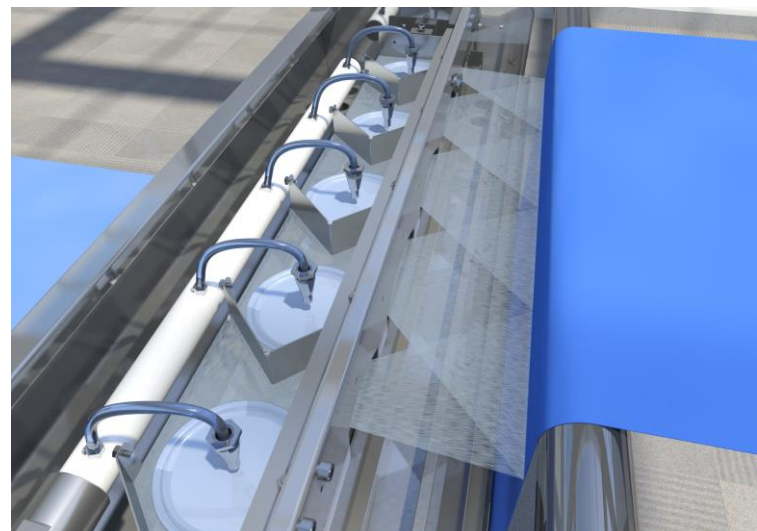
### Antistatic

Antistatic agents are indispensable regarding for carpet back nonwoven which laying in computer rooms to avoid electrical charging.

## 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



# CHT products for WEKO application

## Antistatic agent

Duron 3 P	a	Excellent antistat, e.g. for clean room suits made from PP spunlaid
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## Permanent hydrophilic spin finish (hygienic)

Duron SL 4069	a-n	Outstanding low rewet values, FDA and EU 10/2011 conform
Duron SL 2316	a-n	Nearly no ageing over time regarding hydrophilic performance
Duron OF 1547	k	Extreme nice textile soft touch for top sheet material
Duron SL 4109	k	Silicone free spin finish with soft touch, it is also suitable for core wrap material

## Hydrophobic spin finish (hygienic)

Duron SL 2222	n	Designed for backsheet application, soft feeling, FDA und EU 10/2011 conform
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## Needle punching lubricant

Duron NV 15	n	Standard needle punching lubricant, geo nonwoven
Duron NV 12	n	Increase the fibre/fibre cohesion, structure needling

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



**CHT**  
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CHT Germany GmbH | Bismarckstraße 102 | D-72072 Tübingen  
Tel +49 7071 154-0 | Fax +49 7071 154-290 | [www.cht.com](http://www.cht.com) | [info@cht.com](mailto:info@cht.com)

[www.cht.com](http://www.cht.com)