

# INNOVATION AT WORK

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## WEKO-FLOW

Fluid application with non-contact application system - with WEKO-Fluid-Application-System (WFA), consisting of WEKO-FLOW with WEKO-SIGMA OR WEKO-ProTec, fluids can be ideally applied. The coating can be applied precision-metered and reproducible at any time through spray application. What's more, the modular system can be adjusted flexibly enough to be profitable also with very small production runs.

### This is how it works

The WEKO-FLOW fluid supply unit provides the WEKO-SIGMA or WEKO-ProTec rotor carrier with the desired amount of fluid and controls the entire system. The frequency-controlled rotary pump transports the fluid from the storage tank to the rotor carrier. Through the rapid rotation of spray disks, the so-called rotors, a defined stream of micro-droplets is formed; they create a uniform liquid application. The application volume is thereby adapted to the machine speed. Fluids which not sprayed onto the web can be returned to the storage tank of the supply unit.

### Convincing in handling and maintenance

The modular units WEKO-FLOW and WEKO-SIGMA or WEKO-ProTec were tuned to the use of a variety of fluids. Retooling and cleaning times, especially in regard to the use of chemicals, are therefore minimal. All components can be handled conveniently during operation and maintenance and feature a long service life.

Suitable with following WEKO rotor carrier:



SIGMA



ProTec



NEO



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# WEKO-FLOW FLUID SUPPLY UNIT

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With the WEKO rotor system you have a totally reliable unit that will give a precise & uniform liquid application with complete accuracy. Your process is repeatable giving you a stable quality for everyday production workflow.



## YOUR BENEFITS

- High flexibility adapting through individual demands
- Siemens SPS with possibility of machine connection
- Automatic speed adaptation
- Low energy consumption
- User-friendly through removable components
- Robust long life design, short ROI period
- Programmable rinsing and pump-out of residual fluid

Depending on your needs, single or double sided application, you will find a suitable WEKO solution.

We have various supply units and rotor carriers - the right system for every application.

Even and exact application with reproducible quality

The fluid is supplied to fast rotating rotor discs and distributed by the centrifugal forces. This generates a uniform flow of ultra-fine micro-droplets.

Special designed windows creating precisely spraying fans for each rotor which overlap each other and lead to an even liquid application over the complete material web.

The contact-free application provides a constant flow of liquor and so reproducible results combined with gentle treatment of your tissue.

A frequency controlled pump spends 100% speed compensation and an automatic shutter helps to stay in standby mode if your machine will shut down for a moment or is preparing the correct process condition.

Low cost of ownership by minimal maintenance workload

WEKO as the originally founder and worldwide market leader of the rotor application used its more than 65 years experience to design an easy accessible and low maintenance application system - fluid supply units and rotor carriers.

The compact design enables easy access and the possibility for retrofitting on existing machines with less space is possible.

