



# INNOVATION AT WORK



## WEKO-FlowTec

Water and Release Agents as well as other water based finishing solutions could be precisely applied with WEKO Fluid-Application-System (WFA).

It consists of a WEKO-FlowTec supply unit and a WEKO-SIGMA application modul. Fluids can be precision-metered and reproducibly applied at any time through this innovative rotor based spray technology. What's more, the modular system can be adjusted flexibly enough to be profitable also with.

This is how it works

The WEKO-FlowTec fluid supply unit provides the WEKO-SIGMA 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 are not sprayed onto the web can be returned to the storage tank of the supply unit.

Convincing in handling and maintenance

The modular units of WEKO-FlowTec are separated, so the electrical cabinet and the fluid tank can be located at different places. The system is designed for extremely dirty working conditions due to dust, dirt and fiber fly, such as in wood panel production.

Ideally suited for 24/7 production as the unique belt filter automatically pushes the filter forward when it is too dirty. The SIEMENS touch panel can be placed anywhere and the system could be optional used with a remote service connection. Water tank feeding and exact dosage of the required amount of additives to the water is largely independent of the existing water pressure.

Suitable with following WEKO rotor carrier:



FlowTec



SIGMA



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

- Belt filter with automatic replenishment
- Independent of the existing water pressure
- Separate electrical cabinet and fluid supply tank
- Automatic speed adaptation
- Low energy consumption
- User-friendly through removable components
- Extremely high service life, short ROI period

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.

