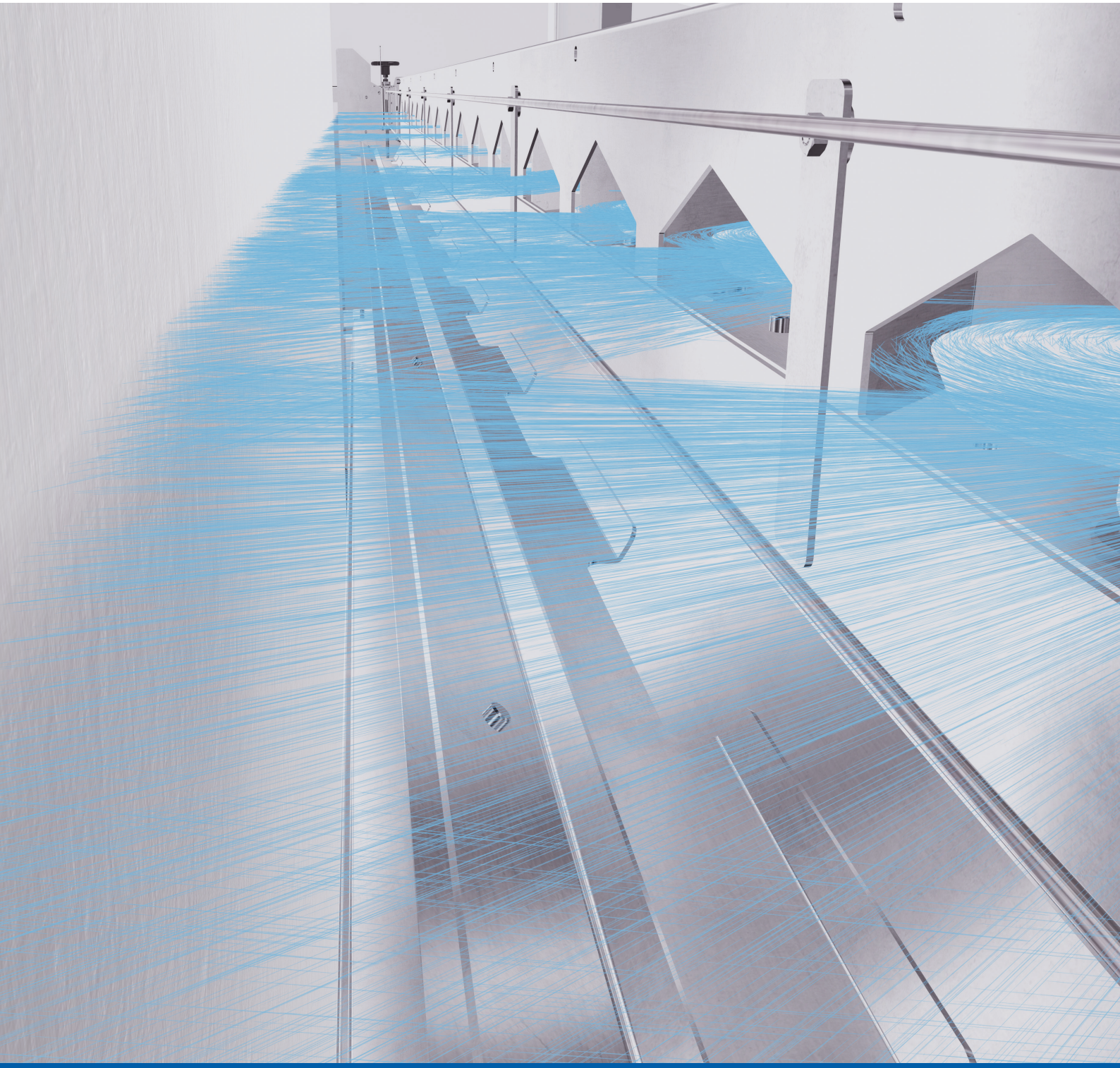
PLEVA
Sensors and Controls

weko
FLUID &
POWDER
COATING

MOISTURE MASTERY for Shrinkage Excellence



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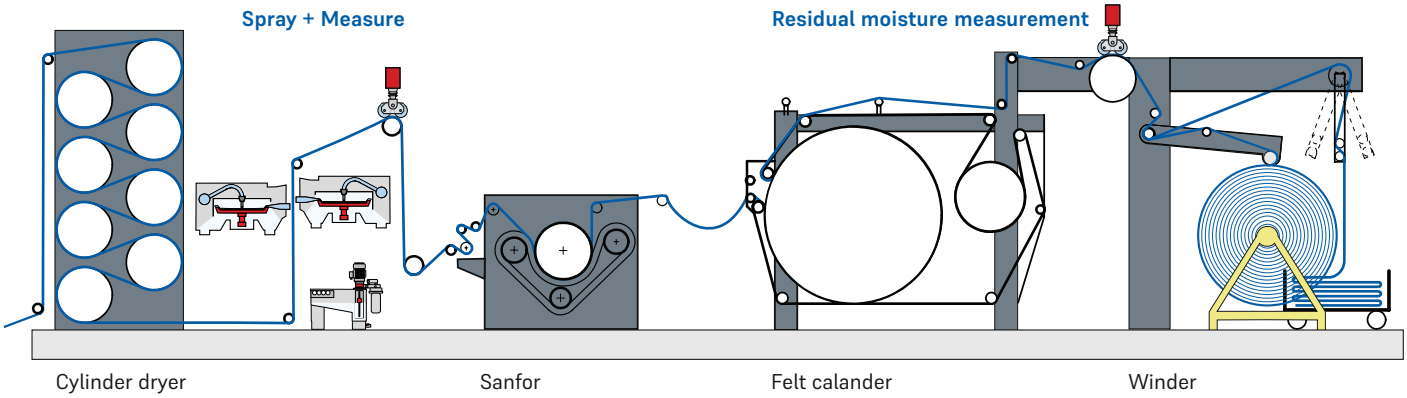
RAISE YOUR BENEFITS WITH MOISTURE CONTROL

- Energy savings due to steam reduction up to 30%
- Longer lifetime of the rubber belt up to 20%
- Higher production speed of 10%
- Increased productivity
- Better handfeel
- Stable compacting and shrink level.
- Reproducable settings
- Optimal humidity level

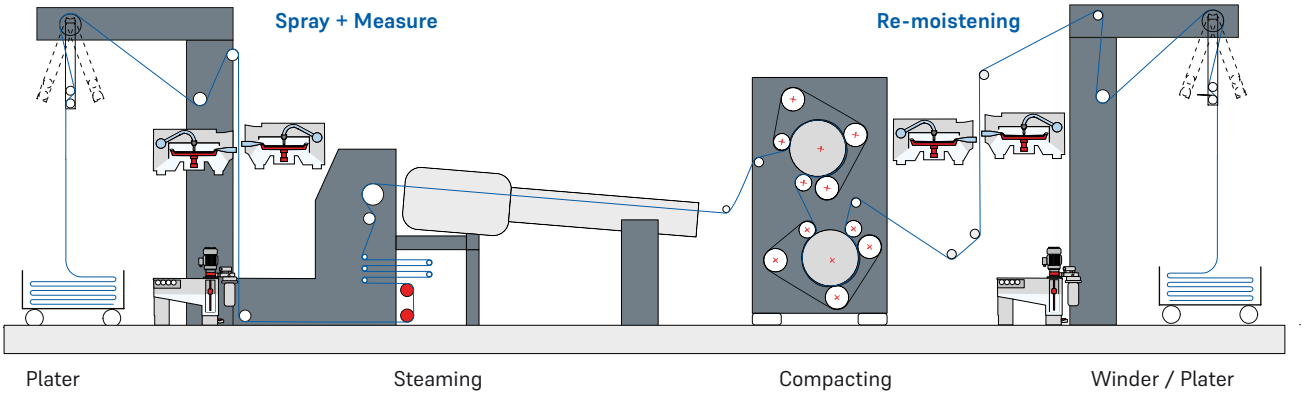
WEKO and **PLEVA** combine their leading technological expertise to boost your processes.
Gain optimal results during fabric/web shrinkage and conditioning like sanforizing and compacting.

The WEKO non-contact fluid application system works in perfect harmony with PLEVA's high precision moisture measurement and control, ensuring controled fabric moistening at every stage.

Sanfor Process



Compactor Process



This is how it works

The **WEKO** fluid supply unit provides the WEKO rotor carrier with the desired amount of moisture and controls the entire system. A pump delivers water from the storage tank to the rotor carrier. Through the rapid rotation of spray disks, the so-called rotors, a stream of microdroplets is formed which create a uniform fluid application. The application volume is thereby adapted to the machine speed and controlled by the moisture measurement.

The quantity is entered in ml/m² and switched to % if moisture control is connected.

PLEVA RR 3.1 features three tandem roller sensors to measure the maximum moisture across the fabric width with high precision. The system is suitable for all fiber types, including synthetics, and is protected against electrostatic influences.

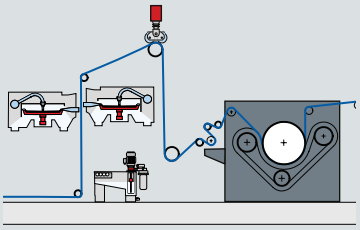
For surface-sensitive fabrics such as knits, the **PLEVA RR WIDE** is the preferred solution to prevent streaks by enabling moisture measurement across the entire fabric width. The maximum moisture is measured using two existing guide rollers, eliminating the need for an additional measuring frame. The system operates mark-free, is cost-effective, and is particularly suitable for knits and surface-sensitive fabrics with low synthetic content.

Installation

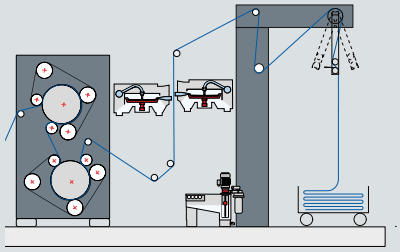
For pre-moistening the **WEKO** rotor carrier (spray point) shall be installed in front of the shrinkage device (before steaming) at the entry of the line. The position is a 90° angle to the vertical fabric path so that the spray is delivery horizontal. This position ensures a stable shrinkage level for compacting and sanfor processes.

For re-moistening, the position shall be after the shrinkage and cooling device at the exit of the line to re-gain the loss of moisture during heat treatment and ensure optimal humidity condition of the fabric.

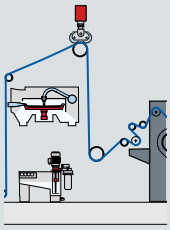
In both cases, the **PLEVA** moisture control should be positioned at a sufficient distance after the spray to allow the applied moisture to be absorbed by the fabric, ensuring reliable measurement values and stable control.



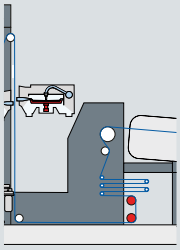
WEKO-Sigma + WEKO-Basic



WEKO-Sigma + WEKO-Basic



Pleva RR 3.1



Pleva RR-Wide

PLEVA
Sensors and Controls

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Since 1969, **PLEVA** has been developing high-precision sensors and control systems — manufactured in Germany, trusted worldwide. As a family-owned company, we combine decades of expertise with a clear commitment: family business. values. innovation.

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Weitmann & Konrad GmbH & Co. KG
Friedrich-List-Straße 20–24
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Germany

WEKO as the originally founder and worldwide market leader of the rotor application used its more than 70 years experience to design an easy accessible and low maintanance application system. The compact design enables retrofitting on existing machines with less space and effort.