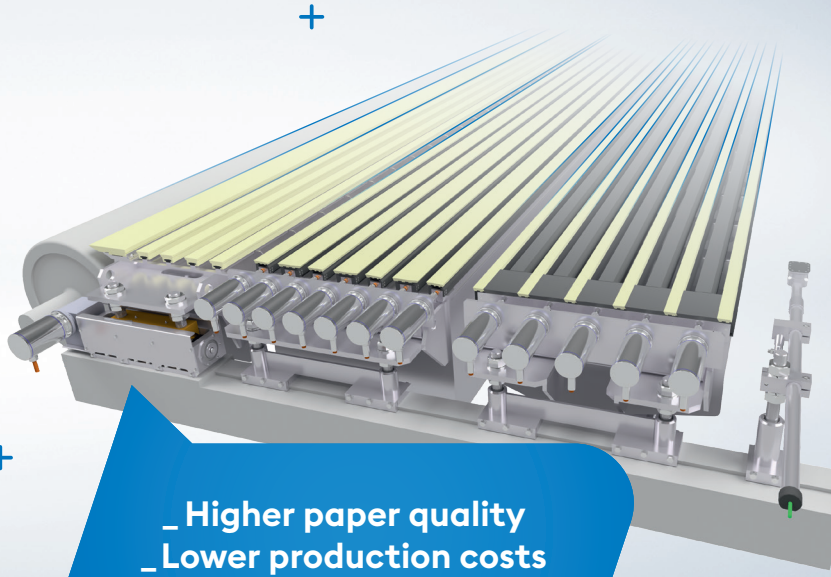


SMARTTABLE INTELLIGENT WIRE SECTION SOLUTION

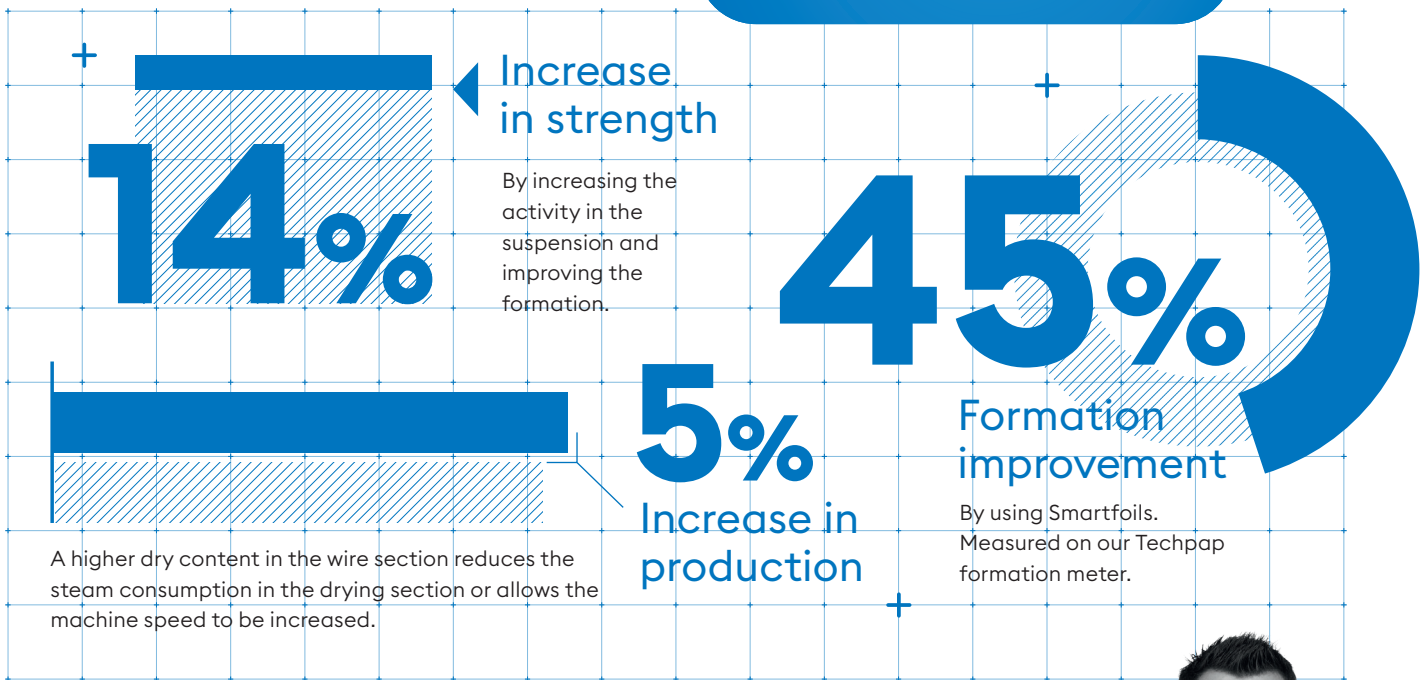
SmartTable products make it possible to produce every grade in a wide product portfolio with the highest efficiency and the best properties.


With the SmartTable, the wire section settings can be optimized in order to


- _ Improve formation
- _ Increase strength
- _ Reduce raw material content
- _ Increase dewatering performance
- _ Reduce energy costs




- _ Higher paper quality
- _ Lower production costs
- _ Increased productivity



- 

Optimized paper quality
With the SmartTable, each paper grade can be produced optimally in terms of formation, strength and raw material consumption.
- 

Cost savings
through reduction of driving power, reduction of steam consumption and fast grade change with the help of the intelligent SmartTable software.
- 

Short reaction times
to changing operating conditions using sensors that monitor ongoing operation and immediate countermeasures with the smart components.

**UPGRADE
YOUR WIRE
SECTION TO
GET SMART!**



Roland Eckerstorfer, +43 (0) 7289 4611-298
or REckerstorfer@roebling.com



**SAVE 1000 tons
CO₂ PER YEAR**

through reduced steam consumption due to improved dewatering.

SMARTTABLE COMPONENTS

DEWATERING ELEMENTS

SMARTFOILS

Individual optimization of foil angle and height increases dewatering performance and improves the activity in the suspension. This has a positive effect on the paper quality. Control can be manual, as fully automated SmartTable using electric drive and SmartTable software, or fully integrated into the control system.

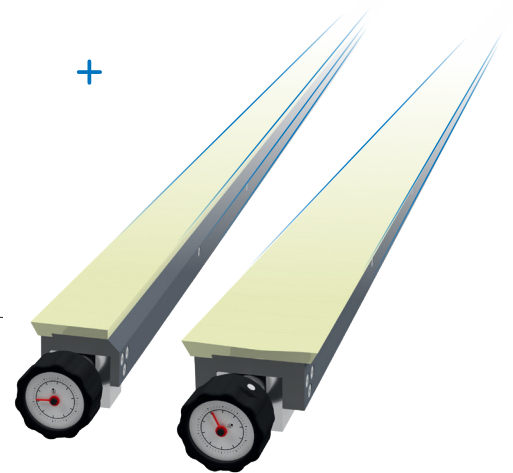
- _ Simple and reliable design for safe operation
- _ Existing boxes can usually be reused
- _ Maximum usable ceramic thickness

SMART HYDROFOIL

- _ Infinitely variable angle adjustment between 0 and 3°

SMART ACTIVITYFOILS/FORMATIONFOILS

- _ Continuously adjustable in height between 0 and 4mm



SMART VACUUM VALVES

Optimizations are not limited to the dewatering elements themselves. Electronically controlled vacuum valves are an important part in order to control the vacuums individually and optimally and increase the paper quality/dewatering performance.

- _ Reliable vacuum control through integrated vacuum sensor
- _ Maintenance-free design
- _ High reliability through integrated cleaning mechanism

SMARTVALVE-L

- _ Especially for use in the low vacuum range

Deployment location: Formation - vacufoil and wet suction boxes, up to max. 10kPa

SMARTVALVE-H

- _ Especially for use in the high vacuum range

Deployment location: all positions in the forming section with a vacuum higher than 10kPa as well as the uhle boxes in the press section.



SMART ONLINE DRY CONTENT MEASUREMENT

Our smart sensors are based on microwave technology and enable measurement of up to 48,000 g/m². Different fiber types, fabric colors, paper grades or vibrations do not affect the measurement in any way.

- _ Increase in efficiency through energy savings
- _ Increase in runability through reduction of friction/wear
- _ Increase in quality through production at optimum dry content

SMART SENSOR WS

- _ Wide measuring range from 0–48,000 g H₂O/m²
- _ Up to 1,024 measurements/sec. (FFT analysis)
- _ High repeatability and reliability
- _ Stainless steel housing
- _ Silicon nitride ceramic plate for maximum durability

Deployment location: Installation in the wire section

SMART SENSOR DS

- _ Wide measuring range from 0–800 g H₂O/m²
- _ Up to 1,024 measurements/sec. (FFT analysis)
- _ Cooling possible

Deployment location: Installation at the end of the press section or in the drying section

