

# Reliable Paper Machine Alignment

for enhanced runnability

Proper alignment enhances the runnability of paper machines, improves the properties of paper and reduces the uneven wear of roll covers, fabrics, felts and ceramic blades. Valmet's alignment methods and tools are designed specifically for paper, board and tissue machine applications.

## Benefits

- Improved basis weight and orientation profiles.
- Improved formation and other quality characteristics, more even wear of roll covers, extended life of fabrics and ceramics.
- Improved moisture profile and runnability.



## Sophisticated methods and tools

The alignment method used by Valmet measures all components against the machine's centerline. The lengths of surface conditions of rolls are not important. When using the centerline as a reference, horizontal and vertical values can always be reproduced within 0.1 to 0.15 mm.

A combination of prismatic mirrors, an electronic total station and software developed specifically for paper machine alignment needs are used for measurement.

## Alignment of dewatering elements

Roll and cylinder alignment is not the only significant factor affecting paper machine runnability. New sophisticated forming section dewatering elements also need to be aligned to applicable specifications, which can best be ensured by using Valmet's proprietary alignment software and a total station.

## Scope of service

- Internal alignment of the headbox and alignment with the forming section.
- Alignment of forming section rolls and dewatering elements.
- Alignment of press section nip rolls relative to one another and to the machine's centerline.
- Alignment of dryer section rolls and cylinders.

For more information, contact your local Valmet office. [www.valmet.com](http://www.valmet.com)  
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