

# Reliable paper and tissue machine alignment

For enhanced runnability

Proper alignment enhances the runnability of paper and tissue 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
- Prevention of diagonal drive gear contact



## Sophisticated methods and tools

The alignment method used by Valmet measures all components against the machine's centerline. The lengths or 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 or tissue machine alignment needs are used for the measurement.

## Alignment in different machine sections

Valmet's alignment methods and tools can be used in different paper or tissue machine sections to ensure the proper alignment of all elements to the applicable specifications. The alignment services include:

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