

# Roll covers in the paper machine Calender



# Calender

Depending on the purpose for which a paper is used, its surface must have certain properties – especially smoothness and gloss. Our calender roll cover product line offers an extensive cover choice for all application requirements to provide optimum paper gloss, smoothness, and bulk while maintaining cover profile and surface consistency.

## Elastic calender covers

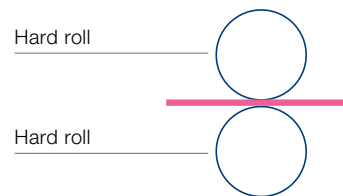
Our product line of elastic covers for calender applications offers an excellent cover choice for all application requirements. During the calendaring process, sheet bulk and finish are influenced by thermal and mechanical energy, creating high thermal and mechanical stresses in the calender cover. Optimized fiber-reinforced composite cover construction provides the highest running safety.

The Voith Paper developments for soft calendaring allow a selection of specific cover properties to achieve optimum paper gloss, smoothness, and bulk while maintaining cover profile and surface consistency. Our raw material and unique manufacturing process make these covers resistant to barring and wear. With the latest development of the NanoSelect series, every customer has the ability to get a cover customized to his individual application.

## Hard coatings for calender

Hard roll coatings in the calendaring section of the paper machine have a major impact on the quality of the paper produced. The surface properties of the hard thermo rolls determine the quality of the finished product. We engineer our covers to provide the optimum paper surface characteristics while providing extended run cycles under high specific nip pressures.

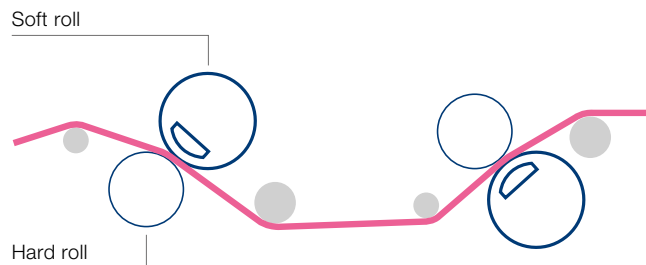
## Hard nip calender



### Coating

Hard roll	TerraGloss
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## Soft nip calender

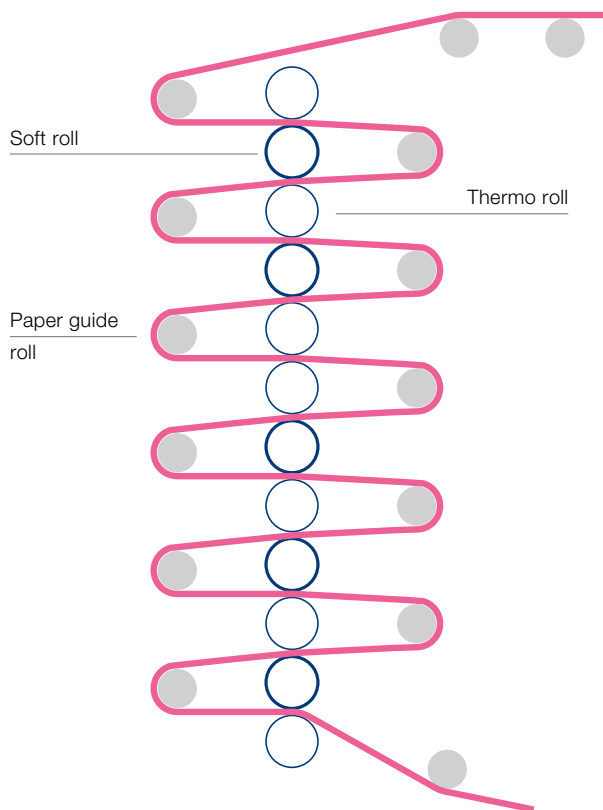


### Composite

### Thermal coating

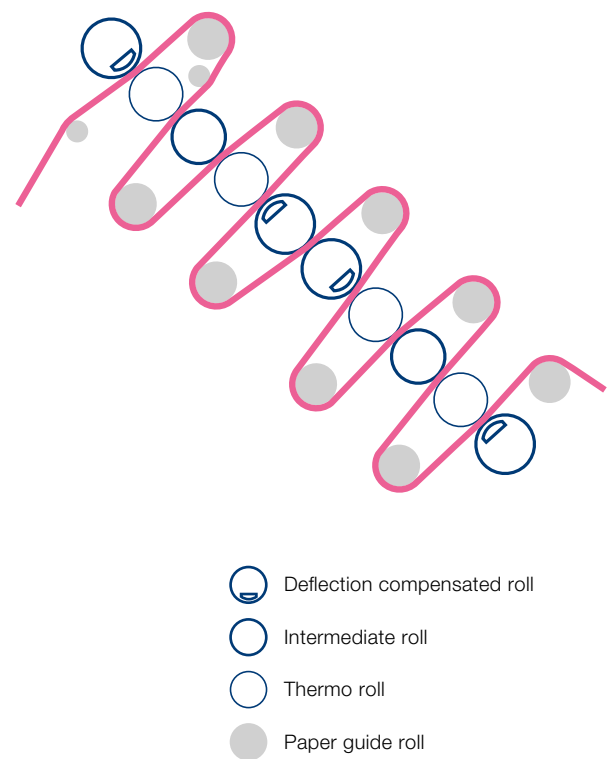
Soft roll	NeoTop S NanoPearl S NanoPro S NanoGloss NanoSelect	–
Hard roll	–	TerraGloss
Paper guide roll	AiroGuide GS	–

## Super calender



	Composite	Thermal coating
<b>Soft roll</b>	NeoTop SC NanoPearl SC NanoPro SC NanoGloss NanoSelect	-
<b>Hard (thermo) roll</b>	-	TerraGloss
<b>Paper guide roll</b>	AiroGuide GS	-

## Multi-nip calender



	Composite	Thermal coating
<b>Soft roll</b>	NeoTop M NanoPearl M NanoPro M NanoGloss NanoSelect	-
<b>Hard (thermo) roll</b>	-	TerraGloss
<b>Paper guide roll</b>	AiroGuide GS	-

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