

Flexibility is standard



In-line cooling by **PEARL** pre-nip chillers



The profiled aluminum tubes have low friction SM-24 coating. SM-24 coating has a hardness of 72 Hrc (harder than steel)! COF is lower than 0,06!

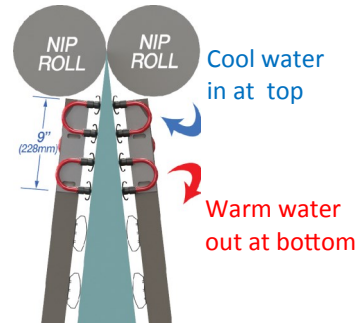
Contact chilling of the film features:

- eliminate blocking
- no need for anti block additives
- increase film output
- increase roll quality
- eliminate sag

A pre-nip with four bars takes up only 200—250 mm of area in the frame (generally the top two slats or rollers). Typically they are manufactured with 4 tubes that permit the inlet and outlet at the same end to minimize water line lengths and keep them in close proximity to each other.

The film will be chilled when it passes the bars.

Thick films have yielded up to 50% increase in outputs. Thinner films with blocking tendencies have reported 15-25% increase in outputs.



Water connection in the profile.



Without chilled spreader, film temperature 58,4 °C



With chilled spreader, film temperature 43,4 °C

Rule-of-thumb

For each degree °C the temperature is reduced you increase output by 1%

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Call: +45 4594 0600

Mail: falcon@falcon.dk

Lyngvej 16 B | DK-3400 Hillerød | tlf. +45 4594 0600 | fax +45 4582 1328 | falcon@falcon.dk

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