

Patented pre-nip chiller and spreaders

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.

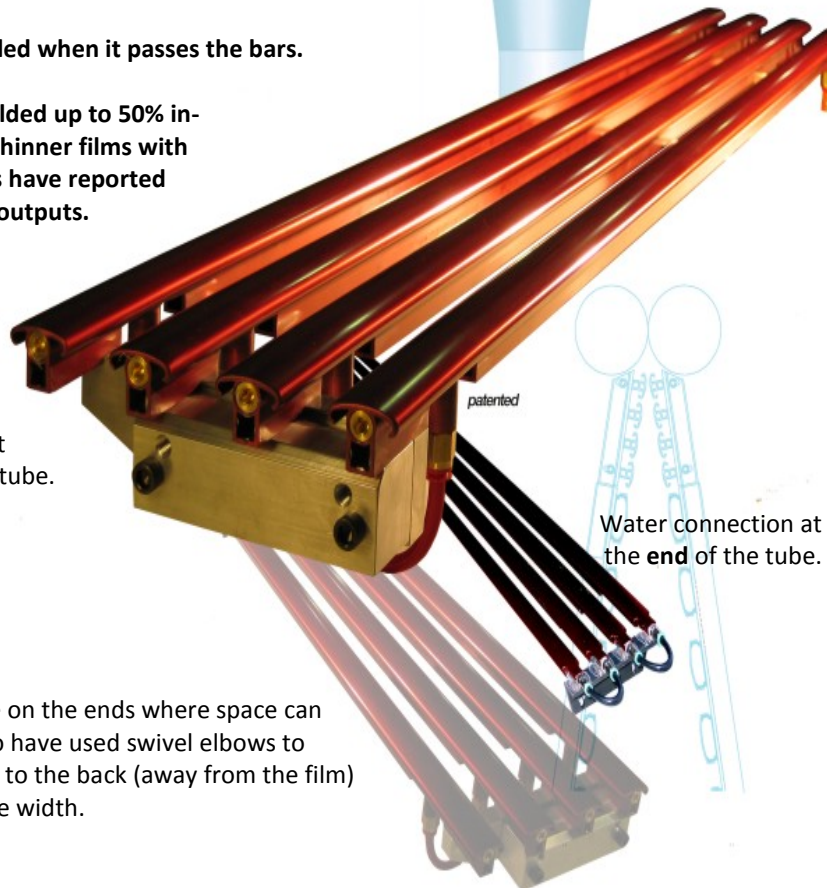
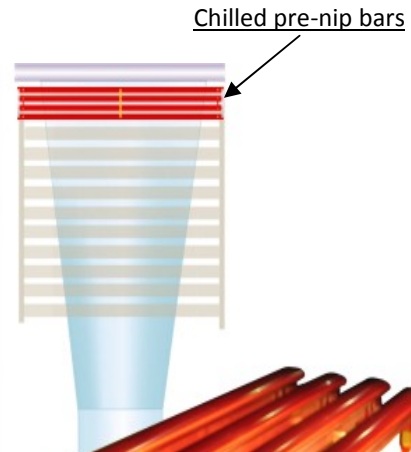
The film will be chilled when it passes the bars.

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

Water connection at the **rear side** of the tube.

Fittings typically are on the ends where space can be an issue. We also have used swivel elbows to keep the waterlines to the back (away from the film) while minimizing the width.

Please note this feature: The top slat has a jack screw behind it so that a slight bow can be obtained to cause the film to spread prior to the nips if desired. We have found that to be as little as 2—3 mm in most films.



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