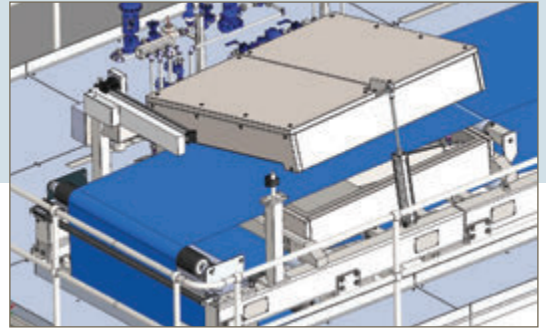


Moisture Conditioner

Add moisture and control curl



Moisture Conditioner



Delpro has developed a simple and extremely efficient system for re-moisturising and curl control of a wide range of coated and uncoated products. Superheated steam is used which, unlike raw steam, remains a gas and penetrates the internal paper fibre without wetting the surface. For maximum conditioning effect the web should be at or below 35°C prior to entry into the conditioning chamber and must be cooled back down to that temperature afterwards. A razor-cut spreader roll is used to spread the web and take up any cross web expansion.

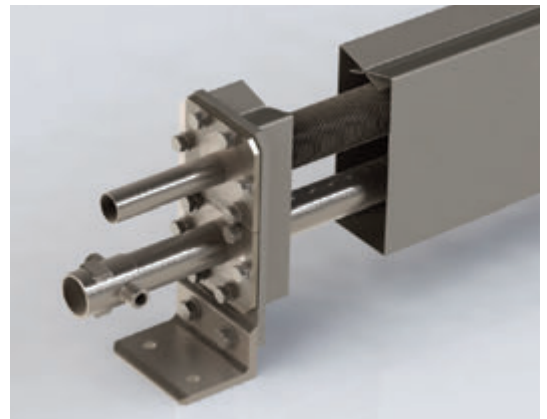
FEATURES

- The conditioner unit comprises a stainless steel insulated chamber with heated letterbox entry and exit and lid which lifts pneumatically on one side for ease of access.
- Inside the chamber the moving web is surrounded by dry gaseous steam introduced by specially designed jets to the underside of the web.
- Jet arrangement enables moisture addition to be zoned for web width reduction or preferential addition across the web.
- Only factory steam (at 8 bar) required which is reduced in pressure, and super-heated by passing over separately controlled and heated finned tubes.
- Variable volume of steam, controlled manually or with the additional option of infra red moisture meter, enables closed loop control of moisture addition.
- Can be integrated into existing machine or supplied as off-line unit.

SPECIFICATION

Moisture addition: Up to 4% by weight of substrate at up to 300m/min

Typical substrates: Paper and board



INTERNAL VIEW OF STEAM JET

Delpro

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