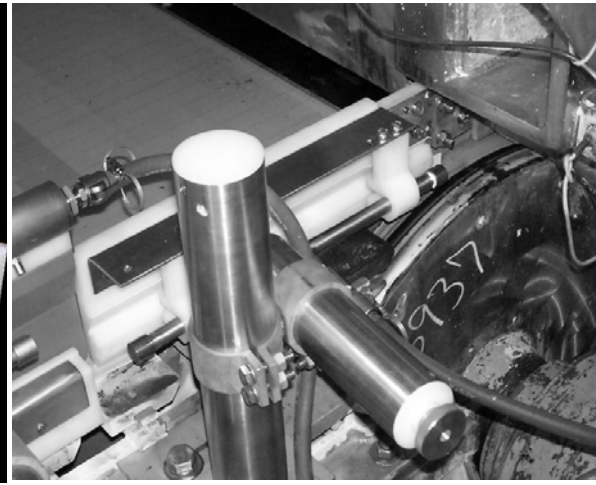


## EdgeSpreader™

Headbox Cheeking Piece Extension / Deckle Board



The **EdgeSpreader™** system has a built in hinge for easy adjustment in and out of the stock stream. This enables control of waves or disturbances produced by the headbox, as well as control of the weight on the edges of the sheet. The result is improved basis weight, moisture, and TSO angle profiles.

The system creates a perfect seal against the forming fabric through use of a Teflon insert that is adjustable on the run. The insert is positioned at a 90 degree angle to the forming fabric which allows a good seal, with very little pressure. As a result, the insert wears longer, does not fray, cause tears or fiber build up, and will not wear the edges of the forming fabric.

## Edge Spreader™ FEATURES and BENEFITS

- Hinged design – Adjustable in and out of stock stream
- Dissipates edge waves or other disturbances created by the headbox
- Improved CD basis weight, moisture, and TSO angle profiles
- 90 degree Teflon insert
  - Longer wear life
  - Easy on forming fabrics
  - No tearing, no fiber build up
- Quick disconnect stainless steel micro adjustment stand
- External shower for lubrication and cleanliness
- Rugged construction - all stainless steel components

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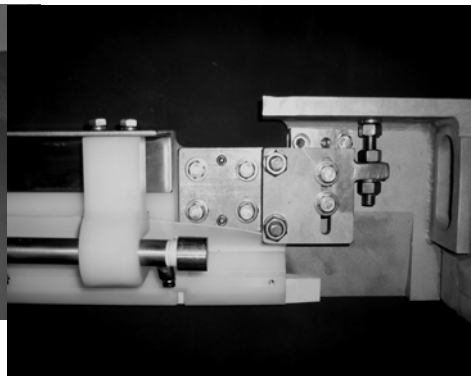
## Headbox Cheeking Piece Optimization



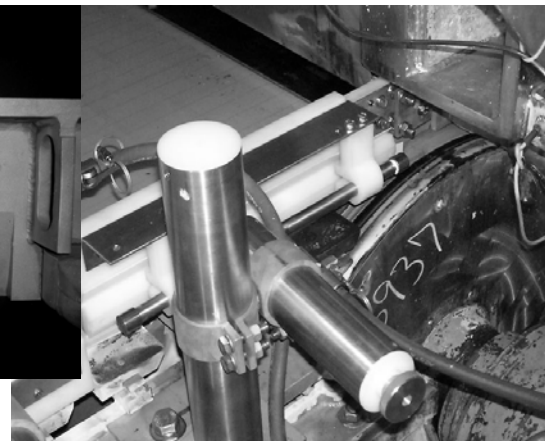
**Old Cheeking Piece**



**Reworked Cheeking Piece**



**X-Y-Z Mounting Bracket**



**Finished and Installed!**

One of the most overlooked areas of the papermaking process is the edge control system at the exit of the headbox. In order to produce the optimum basis weight, moisture, and TSO angle profiles, the edges of the sheet must be controlled. The most critical issues with any edge control system are the length of the cheeking piece, and the way the cheeking piece extension is connected.

### Common Problems:

Lack of Adjustability – The cheeking piece extension must be aligned perfectly in the X, Y, and Z directions. The headbox jet should smoothly transfer onto the cheeking piece extension never encountering any large steps, gaps, or equipment protruding into its path. Unfortunately, many headboxes do not allow precise alignment in one or more of the three directions.

Cheeking Pieces are Too Long - Many headbox cheeking pieces extend too far beyond the headbox apron tip, leading to problems with deckle board attachment, sealing, and alignment. It can also create stock buildup and edge waves by not letting the headbox jet expand when it lands on the wire.

### The Solution:

Coldwater X-Y-Z adjustment bracket and optimal cheeking piece.

Coldwater will either manufacture new, or modify the existing cheeking pieces. The new cheeking pieces come with a mounting bracket that is micro-adjustable in all three directions. We also determine the proper length that the cheeking piece should extend past the apron tip. This ensures there are no flow disturbances created during headbox jet transfer or impingement. All equipment is 316L SS with a 10 micron finish on stock side surfaces.

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