

## FORMING BOARD

The initial part of the forming zone is critical in determining the final characteristics of the sheet of paper. The first drainage element in the process is aptly called the forming board. Its placement relative to the headbox has a major impact on how the initial fibers are formed on the top surface of the forming fabric.

The structural integrity of the forming board is a significant consideration in its design because it must withstand the impact of thousands of gallons of water per minute. It must withstand this hydraulic load without vibration or deflection.

The Forming board is specially designed to fit close to the breast roll nip. Its lead blade supports the fabric as the slice delivery lands on the forming fabric.

**Forming Board** consist of:

- ❖ Frame
- ❖ Foils
- ❖ Supports

### Salient Features:

- Rigid, box-like frame, plated with acid-proof steel SS 2343 (AISI 316).
- Stainless steel external construction and custom fitted to each machine.
- Horizontal and vertical adjustment.
- Foils with dovetail fastening.
- Free discharge of doctored water and Complete adjustability to accept jet impingement.
- Generally 4 or 6 foils, depending on the paper grade.
- Foil width 200 mm + 3 x 90 mm or 200 mm + 5 x 70 mm.

### Advantages:

- Optimized and problem-free dewatering through the fabric.
- Rigid and vibration-free design.
- Stays clean.
- A scale shows the machine-direction position of the box.
- Ceramic foils.



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