Formation is one of the most important structural properties of paper and paperboard. It affects several of the properties important for final uses, such as strength and visual properties. Valmet Breast Roll Shaker* is an effective solution to improve the sheet forming process. It improves formation by creating shear forces in the web to break up large flocs.

**Benefits**

- Improved formation and strength properties
- Better printability and smoother surface
- Good formation allows optimized furnish composition
- Reduced power and steam consumption
- Less refining
- Raw material savings

**Reliable, easy-to-use solution**

Valmet Breast Roll Shaker shakes the breast roll cross-directionally and breaks up fiber flocs by creating shear forces in the web, improving sheet formation, surface and strength properties. The operation is based on a balanced shaking system; shaking forces are generated by two pairs of rotating eccentric masses. Reaction forces do not transfer to the foundation of the machine. The shaking frequency is controlled by adjusting the revolutions of the main motor, and the stroke length can be changed by adjusting the phase angle between the mass pairs.

**Results with Valmet Breast Roll Shaker**

Radiography analysis and scale of formation. OCC furnish 210 g/m².

*Valmet Breast Roll Shaker was earlier known as FormMaster*
Cost savings with Valmet Breast Roll Shaker

Using Breast Roll Shaker means that you can achieve the same strength and formation levels with less refining. Breast Roll Shaker also offers raw material savings thanks to minimized starch usage and improved strength properties, even with lower basis weights. It also reduces steam consumption in the drying process. All of these factors result in cost savings.

Compact design with reliable operation

Valmet Breast Roll Shaker has a very compact design and integrates all the equipment into one unit. The simplified design has a smaller footprint, and requires fewer parts. It can be fitted in most machine environments and is designed for easy maintenance.

The best stroke length on the market for a large range of breast roll weights. A long stroke length is the key to success.