

Multiply Hydroformer - Opportunity For New Innovative Products

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ABSTRACT

Specialty Papers have worldwide a share of about 5% of the total paper production and 10% for total sales of paper.

The 2900 different paper specialty grades are divided into nine main segments. To produce these types of papers special technologies and know how are necessary.

The production locations for specialty papers are currently mainly located in Europe. It is obvious that also in Asia especially in China and India the production of specialties grades will become more and more an attractive opportunity in the near future. Specialty Grades opens up new vistas for the Indian mills with a lot of value addition and value creation.

The segment of the wet lay nonwovens and filter paper covers a wide range of paper and nonwoven products.

All these grades are produced with long fibres in the range between 2mm and 40mm. Typical for the production of the wet lay products is the use of very low headbox consistencies due to the long fibers.

The Voith headbox and former for the wet-lay products has the trade name HydroFormer™. The HydroFormer™ can have a 1-, 2- or 3-ply headbox.

Typical products are filter papers like tea bag or automotive filters, or glass mat for roofing and flooring or other applications. The new multiply technology gives great opportunities for new innovative products.