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## **Shree Ajit Pulp and Paper to acquire new headbox and refiner from Valmet with Aqua layering technology**

Shree Ajit Pulp and Paper Limited is one of the top kraft paper manufacturers in India, producing 1,08,000 tonnes per annum premium grade kraft paper with a basis weight range of 70–350 g/m<sup>2</sup> (BF range 20-35). Valmet has been selected to supply an OptiFlo Layering Fourdrinier headbox with Aqua layering technology, Valmet Conical Refiners Pro and Conflo to Shree Ajit Pulp and Paper Limited for their Unit 2 Mill at Vapi, Gujarat in India. The start-up is planned for the first quarter 2024.

This will be the first installation of these novel headbox technologies in India. The next step would be to automate the machine and process systems with Valmet's solutions. The new headbox technologies with proven references in Europe and Asia will bring the possibility to produce a two-layer sheet using only one headbox and one forming unit. The layering headbox with the patented Aqua layering technology produces a disturbance-free, purely layered structure that boosts strength properties.

The delivery includes an OptiFlo Layering Fourdrinier headbox with Aqua layering technology as well as new generation Valmet Conical Refiners Pro and Conflo for producing microfibrillated cellulose (MFC). Valmet Conical Refiner Pro with its higher installed power throughput raises the refining efficiency, achieving a good fibrillation of the fibers without cutting. The delivery also includes a Valmet IQ Quality Control System (QCS), a Valmet IQ Dilution Profiler and a Valmet IQ Steam Profiler. The end products will be kraft liner and white top testliner. In the new plant kraft paper of 45–150 g/m<sup>2</sup> is planned to be produced.