



The VTM 2 tissue machine at SEPAC.

Dr. João Ferreira Dias, President of SEPAC (left) and Nestor de Castro, President of Voith Paper South America (right) in front of the VTM 2.

Standardized tissue machines ensure cost-efficient production

SEPAC relies on tissue technology from Voith

Voith Paper has defined five standardized machine types for tissue production which lead to cost-efficient production. At the same time, they meet the high quality standards that the market demands. At SEPAC in Mallet, located in the state of Paraná, Brazil, a tissue machine of the type VTM 2 has been successfully producing high-quality tissue paper since summer 2008.

	VTM 1	VTM 2	VTM 3	VTM 4	VTM 5
Web width at the reel [mm]	2,200-2,800	2,700-3,000	2,700-3,600	2,700-5,500	4,500-5,600
Design Speed [m/min]	1,300	2,000	2,200	2,200	2,400
Yankee diameter [m]	3.66	3.66 4.57 4.88	4.57 4.88 5.49	4.57 4.88 5.49	5.49
Production at the reel [to/day]	75	125	150	230	245

With the aim of making tissue machines even more cost-efficient, Voith Paper defined standardized machine types for tissue production. The requirements of various customers worldwide can be met within this range. In addition, economical production with high quality standards is made possible.

Altogether, five standard tissue machines from the VTM 1 to the VTM 5 are offered. The main differences are in the machine widths and the size of their Yankee cylinders, which result in different speeds and production quantities (Fig. 1).

This standardization is of special significance for markets in emerging

Fig. 1: Standardized machine types for cost-efficient production.

countries and developing countries such as in Latin America, Asia and Eastern Europe. But it is also important for markets with high cost pressure such as Western Europe. Here, the need for the most technologically modern systems with simultaneously reduced investment budgets has to be met.

A perfect example of the competitiveness of standardized Voith tissue machines is the new VTM 2 standard machine, which was sold in May 2007 to SEPAC, a fast-growing tissue producer in Brazil. The VTM 2 was designed for a speed of 1,600 m/min and a working width of 2,760 mm. It produces up to 80 tons of tissue paper per day.

Among the main components of this system are the Crescent former and the new single-layer MasterJet II T headbox which was specially developed for optimum formation. In addition, among the key components are a suction press roll in the press section, the well-known 4.57 m

Voith Paper Yankee cylinder and the standardized MR 100 reel with hydraulic primary and secondary arms.

Thanks to the outstanding teamwork between SEPAC and Voith Paper and the efficient project coordination during the construction phase and also during start-up, the system successfully went into operation on July 6, 2008. Since then, SEPAC has continuously increased the production speed towards 1,600 m/min and has produced tissue paper in the basis weight range of 14 to 35 g/m². A new product from SEPAC is part of this: two-ply toilet paper.

This successful project has strengthened the relationship between SEPAC and Voith even further and shows that Voith Paper is on the right path with the standardization of tissue machines. The significant cost reductions through standardization allow globally cost-efficient tissue machines to be offered with the most modern technology.

Location

Brazil



The small city of Mallet, with 13,200 residents, is in the federal state of Paraná in Brazil. Curitiba, the capital city of Paraná, is 230 km away.

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“SEPAC is now prepared to meet the increase in demand for high-quality tissue paper on the Brazilian market.”

Dr. João Ferreira Dias, President SEPAC

“Due to the excellent performance of the new Voith Paper tissue machine, we were in a position to increase our production capacity to 72,000 tons/year and noticeably improve the quality of our products. SEPAC was thus able to develop a unique product range and expand into new market niches such as two-ply toilet paper. SEPAC is now prepared to meet the increase in demand for high-quality tissue paper on the Brazilian market.”