

**Tissue Machine** for Fort James Corporation, supplied to the mill in Ipek Kagit, Turkey.

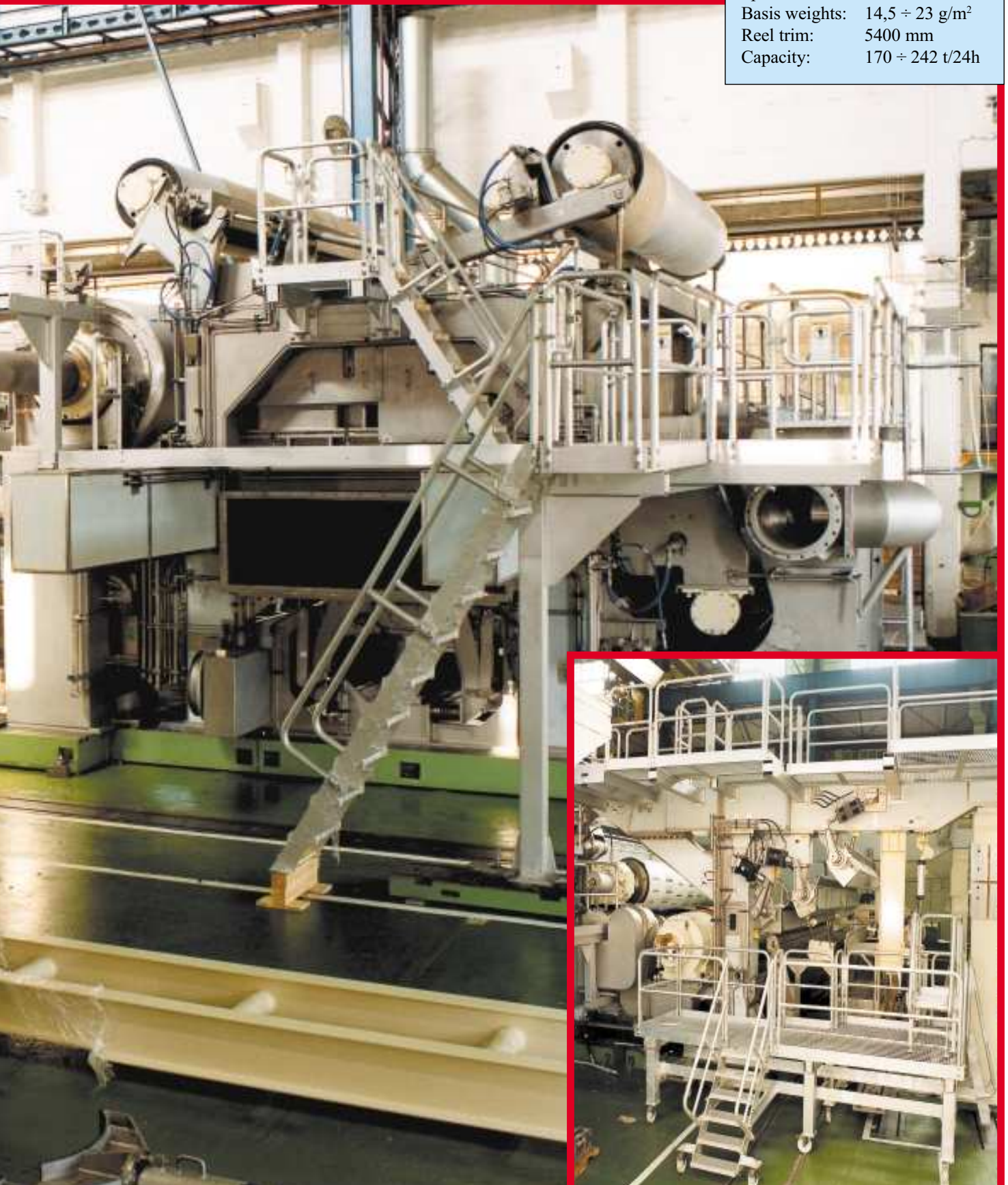
Wide and fast machine consisting of: Concept IV-MH, Strataflo - 3 ply headbox; Crescent Former; Press section with two pressure rolls; 54" and extended rails for jumbo rolls of a sheet composed as 3 plies of virgin fibers - the product with high market quality.



186 mm (18") dia Yankee cylinder; sheet stabilizers and de-dusting; reel with Auto Spool Loader

***Main Data:***

Paper grades:	Tissue
Speed:	2000 m/min
Basis weights:	14,5 ÷ 23 g/m <sup>2</sup>
Reel trim:	5400 mm
Capacity:	170 ÷ 242 t/24h



## Current Start-ups

During the first half of this year, we participated in start-ups of serious projects for several Customers. Below, we would like to present some essential information about them:

### Fort James Co., PM#3, Ipek Kagit, Turkey

On April 29, 2000 at 19:30, with operating speed 1000 m/min. the first paper made on a new Tissue Machine supplied by Beloit Poland to Ipek Kagit Mill in Turkey, has been reeled. There was a significant fact, that already during first week of operation the paper was saleable and the Machine ran continuously with average operating speed 1200 ÷ 1400 m/min. (temporary 1500 m/min. at 17 g/m<sup>2</sup>).



- Reel with Centerwind Assist (CWA) and glue turn-up device,
- Yankee Aircap, De-Dusting System - from Brunnschweiler, Spain,
- Machine Drive and DCS system - from ABB.

The deliveries, erection and start-up have been accomplished per Contract Time Schedule.

Ipek Kagit Mill belongs to Fort James Group - a very demanding Customer, requiring products on a top world technology level. The Tissue Machine we supplied fulfills such requirement and is now the most up-to-date Tissue Machine in Turkey.

Main data of this machine are as follows:

- |                       |                            |
|-----------------------|----------------------------|
| • operating speed     | - 2000 m/min.              |
| • basis weights       | - 15 ÷ 32 g/m <sup>2</sup> |
| • wire width          | - 5538 mm                  |
| • Yankee cylinder dia | - 5486 mm                  |
| • width at the reel   | - 5400 mm                  |
| • Jumbo roll max. dia | - 3050 mm                  |

Beloit Poland involvement in this project was very significant, starting from engineering of Press Section (P. Jasiuk) and Reel (T. Morawa), through project management and manufacturing of all machine sections (Headbox engineered by Beloit Wisconsin, Former engineered by Beloit Italy), up to supervision of on-site erection, and participation in commissioning and start-up.

The Tissue Machine is equipped with:

- Stratified, three ply Concept IV Headbox,
- Crescent Former with cantilever framing,
- Press Section with two pressure rolls: single chamber suction roll and blind drilled second roll. Press Section with cantilever framing,
- Yankee Cylinder with three doctors arrangement,



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