

TURNKEY AUTOMATION SOLUTION FOR THE SAWMILL OF INTERNATIONAL PAPER (INPACEL) IN ARAPOTI



INTERNATIONAL  PAPER

The American International Paper group (IP) is one of the world-wide leading manufacturers of paper, packaging materials and wood products. For its Inpacel division, the global player erected a new sawmill in Arapoti (Paraná, South Brazil).

IP also runs a paper mill at the same location, which is directly connected to the chip conveying system of the Inpacel sawmill.

Raw material for the sawmill or paper mill is exclusively supplied from the surrounding and company-owned pine plantation of about 150,000 acres.

The sawmill produces approximately 220,000 m³ of ready-made timber and planing mill products. 95 % of the whole outcome is exported.

This optimum location - the combination of a sawmill and planing mill surrounded by long-term available raw material resources - also attracts competitors. Furthermore, the world-wide market leader IP has announced to re-focuse its focus on the core-business.

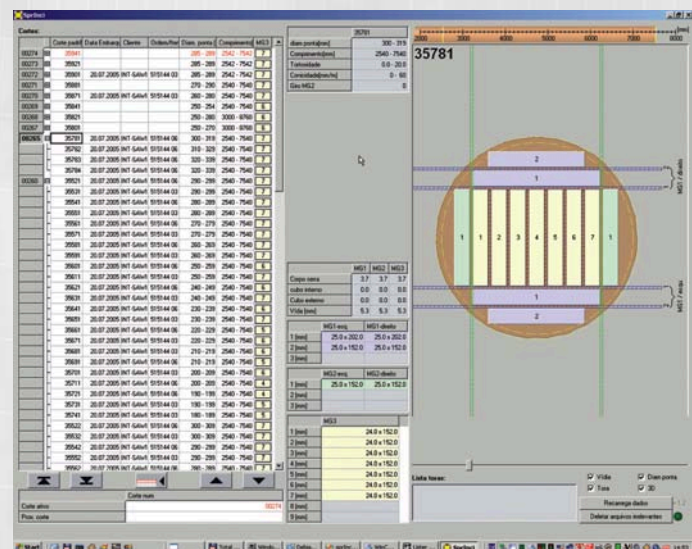
Projects had already been conducted before together with the Brazilian machine manufacturer Inserma/Moosmayer Technology.

In January 2003, Sprecher Automation received the order for the complete electro-technical equipment valued at 4.1 million Euros. At the same time, Inserma/Moosmayer Technology was assigned as the overall provider for mechanisation.

This cooperation led to the largest sawmill automation project ever engaged in South America.

Manufacturing officially started in August 2004, only after 8 months of complete engineering. The break even point had been reached 6 months after commissioning start-up. Considering the whole environmental situation, which is somewhat different from European conventions, this project is rated as a South American all-time record by the local experts.

Beside the above-mentioned subjects, Sprecher Automation also received several additional orders regarding production control, data tracking as well as process optimisation.



Order-specific cutting and production status

The following divisions were realised:

- 1 log yard with direct connection to saw infeed
- 1 saw infeed with triple cascading and additional external double-infeed
- 1 sawing line with 3 main machine groups (up to 120 m/min)
- 2 edging systems (up to 350 m/min) with direct connection to primary breakdown of sawing line

