

SuccessStory in Paper Impregnation

**Increased process stability with
PLEVA sensor RF 120**

The Situation



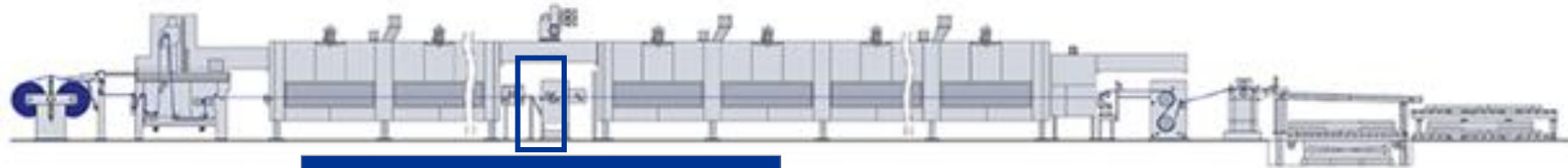
Production of printed décor paper and finish foils which are used for instance in the furniture industry in Brazil.

- **Three impregnation lines with three PLEVA systems**
- Mainly for furniture surfaces and a smaller quantity for laminate floorings

**Target of customer:
Keep the process as stable as possible**

- Improvement of process control during all production times (not only cruise condition)
- Same parameters during production speed, speeding up and down of processes

The Solution



RF 120
integrated in impregnation machine

Source: <https://www.vits.com/en/plantengineering/vits-plants/>

Impregnation machines after first dryer equipped with PLEVA RF 120 system for different processes:

- Impregnation of pigmented white paper
- Impregnation of décor paper printed (also with solid colors)



Exact measurement of material moisture (impregnation) on the paper was achieved with the contactless and maintenance-free microwave technique of RF 120. Vits offers in addition its very advanced control system Vits Dry-IT with fabric temperature and exhaust humidity sensors.

The Success



“We got a complete new production control scenario, with reliable information and full integration with our PIMs (Product Information Management) and SPS system – we climbed to another level of process stability.”
Producer of décor papers

The RF 120 allows a really precise measurement of the overall moisture (surface and internal water of film).

For the customer it means a reliable figure from the drying/cure process. Additionally, **strong reductions of claims were achieved as well a better energy efficiency of dryers.**