

# SuccessStory in Paper Impregnation

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

# The Situation



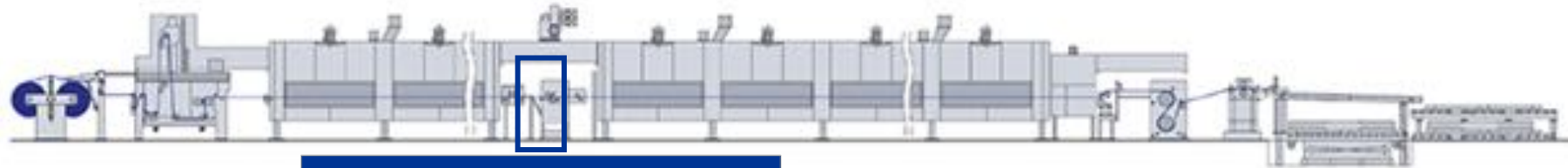
**Production of printed décor paper and finish foils which are used for instance in the furniture industry in Brazil.**

- **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.**