

# SMARTECH Completes Installation of Second SMARTWAX System for BERNECK S.A. in Brazil to Save Wax Costs

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/EINPresswire.com/ -- [SMARTECH](#) is proud to announce the successful commissioning of a second SMARTWAX System for [Berneck S.A.](#) This system operates at the medium density particle board line in Curitiba, Brazil.



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SMARTWAX is a patent-protected wax suspension system that transforms the way wax is used in manufacturing of OSB, PB or MDF wood products.

SMARTWAX technology generates an in-line water-based suspension immediately prior to dosing in real-time.

SMARTWAX reduces wax expenditure (paraffin wax, slack wax or emulsion) while maintaining consistently high board quality.

#### Key Benefits:

- Demonstrates significant cost savings when replacing emulsion and even greater reduction in costs when substituting slack wax by consuming less raw material
- Greater product quality through real-time monitoring and rapid detection of manufacturing anomalies ensuring sustainable quality and minimal defects

#### Greener product:

- Reduces the chemical footprint in engineered wood products by reducing wax usage
- Contributes to lower corporate CO2 emissions by reducing the number of shipments needed to deliver wax
- Makes use of an environmentally friendly dispersant

Avi Zack, Director of Project Management at SMARTECH said: "The fast and successful commissioning of this SMARTWAX System is due in large part to the excellent collaboration from the Berneck team. We were able to remotely pre-commission the SMARTWAX System and then

rapidly bring the System online once on site."

Hanoch Magid CEO of SMARTECH said: "This second SMARTWAX System at Berneck is a meaningful milestone. We are grateful for the vote of confidence in our SMARTWAX Systems from leading manufacturers across the globe."

Fabiano Borin, Berneck Process Manager said: "The value of SMARTWAX is clear to us it brings us a real cost saving and production stability. Further, the ongoing support from SMARTECH has been excellent. We look forward to work with SMARTECH on additional technology projects in the future."

SMARTWAX is part of the broader SMARTECH portfolio of SMART MATERIALS SYSTEMS, which offers breakthrough raw materials solutions for manufacturers. This includes systems for reduced consumption of at least 15% of MDI and PF resins while maintaining the same stringent board properties. In addition, SMARTECH also offers its Autonomous Manufacturing Software, a leading AI-based solution that drives real-time autonomous control of critical production processes.

#### About SMARTECH - Manufacturing™ Technologies

SMARTECH is a pioneering hi-tech company that provides game-changing technologies to the global manufacturing industry. SMARTECH revolutionizes traditional manufacturing by reducing raw materials use and unleashing the latent potential of data, and helps industries upgrade their plants to smart factories by transforming existing production lines into high-performing, autonomous, data-driven and sustainable assets. SMARTECH is headquartered in Israel, with a presence in the USA, Canada, Europe, Asia and Latin America.

#### About Berneck

Berneck S.A., headquartered in Araucária, Brazil, is specialized in the production of MDP, MDF and HDF panels, in addition to sawn pine and teak. The company operates three industrial plants and is the largest exporter of wood products in Brazil. All of its products originate from planted forests and target the furniture, civil construction, automotive, electronics and packaging industries, among others, in Brazil and abroad.

Nathalie Vaknin, VP Marketing

SMARTECH Manufacturing™ Technologies

+972 54-760-7024

[email us here](#)

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