

SMARTPRESS FOR MULTI-OPENING PRESS BOOST PERFORMANCE OF YOUR PRESS

Wood-based panel manufacturers face production instabilities, performance fluctuations across shifts, and high raw material and operational costs.

Operating a multi-opening panel press is one of the industry's biggest challenges. To maintain quality standards, operators often reduce press speeds, resulting in longer press times and inconsistent press loads. Meanwhile, suboptimal density settings waste raw materials without improving product quality. As a result, press capacity remains limited for 70–80% of production time, creating a significant manufacturing bottleneck.

DO MORE WITH SMARTPRESS

SmartPress is a breakthrough AI-based solution that is designed especially for multi-opening presses to reduce the press time, optimize raw material use, and ensure consistent operator performance across shifts – all while meeting the highest quality standards.

SmartPress eliminates operator-induced variability within the press process and delivers unmatched efficiency and cost savings. The system autonomously maintains optimal control, allowing operators to focus on higher-value tasks, rather than manual press adjustments.

BENEFITS



Increases production line speed and capacity
Up to 10% more output, same resources.



Supports operator training
Equipping new operators with AI-driven insights for accelerated learning.



Reduces operator workload
Letting the system handle the complexity.



Greater production reliability and stability
Fewer errors, more uptime.



Maintains high product quality
Optimizing press cycles with intelligent precision.



Instant ROI, year after year
Fast break even

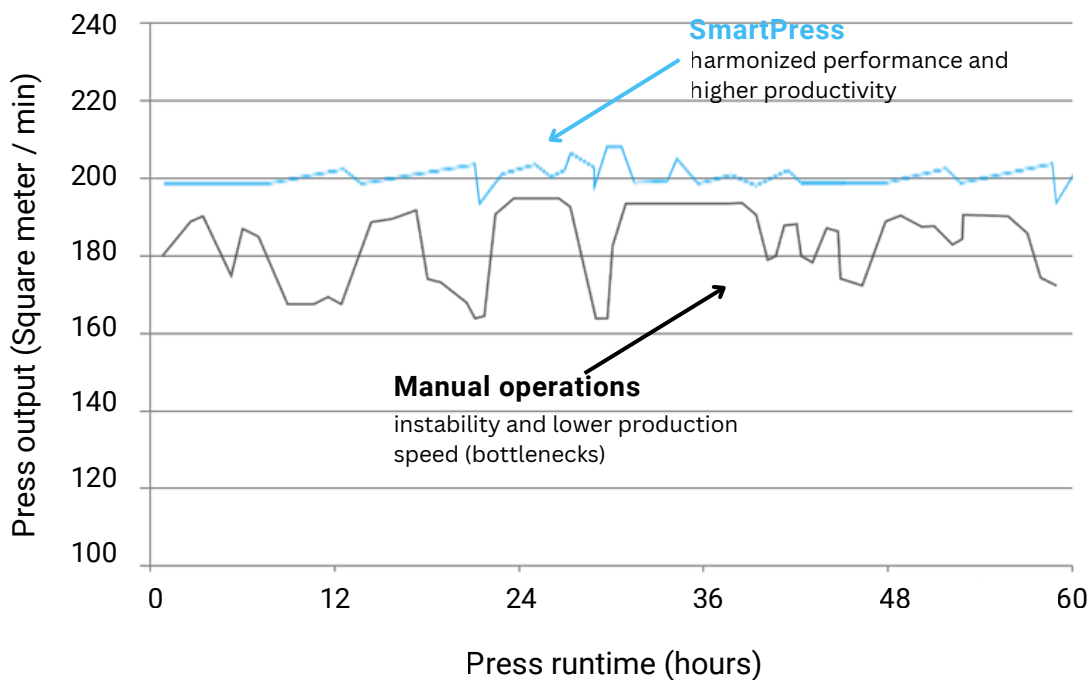


HOW IT WORKS

SmartPress for multi-opening press integrates seamlessly with the plant's existing technology infrastructure, including quality sensors, and leverages both real-time and historical data to identify and calibrate key operational parameters. Powered by AI, SmartPress continuously analyzes press conditions and dynamically adjusts operational setpoints, optimizing press time steps in real time to enhance throughput, maximize quality, and minimize cost.

KEY FEATURES

- Press operations optimization
- Autonomous and manual modes
- Intuitive HMI
- Real-time alerts
- Comprehensive reports
- Visual quality analysis in real time
- Fast and easy deployment
- OEM agnostic compatibility



ABOUT SMARTECH

SMARTECH is a pioneering hi-tech company that provides breakthrough 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 and autonomous factories by transforming existing production lines into high-performing, data-driven and sustainable assets.

SMARTECH - a Hexion company, is headquartered in Israel, with a presence in the USA, Canada, Europe, Asia and Latin America.

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