


INTRODUCING

# SmartWAX<sup>Sys</sup>



SmartWax<sup>Sys</sup> is a game-changing technology that transforms the way wax products are added in the manufacturing of engineered wood products.

**Walker** is the exclusive North American vendor of SMARTECH's proprietary, patent-protected SmartWax<sup>Sys</sup> wax suspension system.

It provides unmatched cost savings, greater product quality, superior control and a greener product.



## How it Works

SmartWax<sup>Sys</sup> is integrated into the existing production line. The system combines wax with water on site creating a wax suspension that is applied to engineered wood products to control thickness swell and water absorption, increasing the dimensional stability of the board.

IN PARTNERSHIP WITH

**SMARTECH**  
BRIDGE TO SMART TECHNOLOGIES



Building a sustainable future, **together.**  
[walkeremulsions.com](http://walkeremulsions.com)



# INTRODUCING SmartWAX<sup>Sys</sup>

## The Benefits

### PROVEN, UNMATCHED RAW MATERIAL COST

**SAVINGS** Patented suspension technology dramatically reduces the cost of wax or emulsion used in the manufacturing process, demonstrating a cost savings of 20% or greater by using less raw material in engineered wood, gypsum and other building products.

**COST SAVINGS ON FREIGHT** and raw material combined with demonstrated gains in efficiency.

**ENHANCED QUALITY & CONTROL** SmartWax<sup>Sys</sup> provides better control over wax related production parameters resulting in improved panel properties.

**EASY INSTALL & MAINTENANCE WITH GREATER TRACKING STABILITY** SmartWax<sup>Sys</sup> is built and fully tested per production line requirements and installed with minimal disruption. A flexible, fast adapting interface and automated smart monitoring streamlines operations and provides real-time alerts and rapid detection of instabilities for better quality assurance. The system offers remote support from any location and can be bypassed at any time if required, with zero downtime.

**GREENER PRODUCTS** SmartWax<sup>Sys</sup> lessens the chemical footprint of engineered wood products, supporting a safer, more stable environment by reducing wax usage. It uses an eco-friendly dispersant while reducing the emulsifier requirement compared to emulsified wax and removes water from transport requiring fewer shipments to deliver wax which contributes to lower CO<sub>2</sub> emissions.

**INNOVATIVE & PROVEN** This proprietary patent protected technology is used worldwide by the world's leading engineered wood manufacturers.

Reliable raw material supply and consistent quality of wax supply with local technical support and proven expertise in mill applications.

### WAX SUSPENSION VS. SLACK/SOLID WAX

#### Slack Wax droplet

Top View

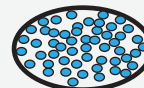


Section View



#### Suspension

Top View



Section View



▲ Both droplets cover the same surface area.  
Suspension creates a much thinner layer.

### WAX SUSPENSION VS. EMULSION

#### Emulsion droplet

Top View



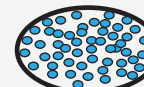
Section View



▲ Emulsion droplets contain small wax particles that also include **chemicals**.

#### Suspension

Top View



Section View



▲ Suspension droplets contain small wax particles.

**Call us today to get  
SmartWax<sup>Sys</sup> working for you:**

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