

Vacuum Membrane Press for Decorative Surfaces

This vacuum membrane press is designed for applying decorative surfaces to various substrates using vacuum and heat. It is commonly used in woodworking and furniture manufacturing to laminate PVC film, veneer, and other materials onto MDF, particleboard, and other core materials.



Product Overview

High-Efficiency Vacuum Membrane Press

This advanced vacuum membrane press is engineered for precision lamination of PVC, ABS, and other films onto complex surfaces like furniture components, cabinets, and relief doors. Featuring a robust manganese steel frame capable of supporting 500 tons of pressure, it ensures durability and consistent quality. The system integrates a high-performance heat transfer oil heating mechanism and a reliable vacuum pump to deliver uniform adhesion and professional-grade finishes for high-volume production environments.

Performance Metrics

Key Performance Indicators

52.6 kW

Total Power

14000 kg

Total Weight

3 min

Avg Cycle Speed

Technical Specifications

Pressure Specifications

Pressure Type	Value
Negative Pressure	0~0.095 MPa
Positive Pressure	0.5~0.6 MPa
Membrane Pressure	0.3~0.5 MPa
Oil Pressure	10 MPa

Dimensions

Measurement	Value
Outside Size	9600 x 2150 x 2450 mm
Working Table Size	2600 x 1300 x 40 mm
Max Processing Height	50 mm

System Components

Key Components

- Germany Becker Vacuum Pump
- Omron PLC Control System
- Heat Transfer Oil Heating System
- Manganese Steel Frame Construction

Power Requirements

380V/50Hz