

Automated Concrete Block Palletizing System

This automated system efficiently stacks concrete blocks onto pallets. It features a robust frame, advanced controls, and precision handling for reliable operation.



ADDITIONAL IMAGES



System Overview

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The XD-1200B is a high-efficiency automated palletizing system designed to streamline the handling of concrete blocks in production environments. It features intelligent sensor technology and PLC-based control to deliver precise, unmanned stacking up to 1400mm in height. By automating the cross-stacking process, the system significantly improves productivity and reduces reliance on manual labor, while its remote monitoring capabilities ensure maintenance and operational support are always accessible.

Daily Throughput

15000 pieces

Daily Capacity

16 s

Cycle Time

Technical Specifications

| | |
|---------------------|--------------------------------------------|
| Power Consumption | 45.65 kW |
| Max Stacking Height | 1400 mm |
| Standard Capacity | 936 pieces per stack (48 pieces per layer) |

Components List

Primary Modules

| Component | Quantity |
|------------------------|----------|
| Products Feeder | 1 |
| Elevator | 1 |
| Pushing Pallet Device | 1 |
| Pushing Block Device | 2 |
| Gantry Stacker Clamps | 1 |
| Chain Conveyor | 1 |
| Pallet Turning Device | 1 |
| Lowerator | 1 |
| Hydraulic System | 2 |
| Central Control System | 2 |

Features

System Capabilities

PLC Control, Laser Sensors, Cloud Data Integration, Unmanned Operation, Remote Control System, Cross-stacking Capable