

Pallet-Free Block Making Machine

This automatic hydraulic block machine utilizes a PLC controller for automated operation. It produces various blocks like hollow, paver, solid, and interlocking bricks by changing the mold, and it eliminates the need for pallets.



ADDITIONAL IMAGES



Overview



The machine produces uniform, high-quality concrete blocks that are stacked directly without the need for pallets.

High-Efficiency Pallet-Free Block Production

This automatic hydraulic block machine revolutionizes production by eliminating the need for supporting pallets, significantly reducing handling costs and cycle times. Engineered with advanced PLC control and high-speed hydraulic systems, it ensures uniform, high-density output for various block types including hollow, paver, solid, and interlocking bricks. The system features a robust, third-generation design with servo-motor controlled mold movement and lifting, providing superior operational stability and precision for large-scale manufacturing.

Key Features

Operational Advantages

- Pallet-free operation saves time and material handling costs
- Automatic hydraulic system with PLC controller
- Servo-motor driven mold, lifting table, and decoder for high stability
- Double speed reduction motor in hopper car for uniform cloth mixing
- Synchronized feeder car and air bag clamping for rapid movement
- Compatible with automatic brick receiving lines and packers

Technical Specifications



Robust hydraulic system design ensures consistent and high-quality output for various block shapes.

Host Machine Dimensions	4880 x 3860 x 3090 mm
Forming Area	1050 x 1050 mm
Forming Cycle	18-25 seconds (varies by brick type)
Host Power	71.5 kW
Installed Capacity	125 kVA
Exciting Force	55-180 KN
Overall Weight	25 T
Required Plant Area	1000 m ²
Control System	Hydraulic Control, Encoder Servo, PLC
Vibration Method	Variable frequency motor vibration