

QT4-25 Automatic Electrical Vibration Block Machine

PLC controlled press combining flat, mould and compression vibration for even density, with automatic plate supply and brick discharge.



Overview

The QT4-25 is the crossover machine in the range: an automatic press at a small plant footprint. It combines flat vibration, mould vibration and squeeze compression vibration so blocks come out at even density and high strength, and a dose charging device with a strong material-distributing structure keeps quality steady across different raw materials. PLC control handles plate supply, material distribution and brick discharge automatically on a 25 second cycle.

Key Benefits

- Three vibration modes together - flat, mould and squeeze compression - for even block density
- 70 to 90 kN vibration force at 2800 to 4500 vibrations per minute
- 25 second moulding cycle, the fastest in the semi automatic family
- PLC control of plate supplying, material distributing and brick discharging
- Dose charging device and material distributing structure hold block quality across different raw materials

Technical Parameters

Machine overall size	6400 x 1500 x 2700 mm
Power	18.7 KW
Vibration force	70-90 KN
Moulding cycle	25 s
Vibration frequency	2800-4500 times/min
Pallet size	850 x 550 mm
Control	PLC, automatic plate supply and brick discharge

Production Capacity

Block size (mm)	Pcs per mould	Pcs per hour	Pcs per 8 hours
400 x 200 x 200	4	576	4608
230 x 110 x 70	20	2880	23040

Capacity is indicative. Actual output varies with operator efficiency, mould and raw material quality.

Who It Is For

- Yards ready to move from operator-paced to machine-paced production
- Buyers who need automatic block discharge to cut handling labour
- Plants working with variable local aggregate that needs controlled dosing

Use Guide

- Set the dose charging device for the aggregate being used before the first batch
- Check pallet supply is full before starting an automatic run so the cycle is not interrupted
- Match vibration time to the mould: deep hollow moulds need the full cycle, thin paver moulds do not
- Move discharged blocks to curing promptly and keep them damp while they cure

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<https://www.chinabrickmate.com/products/qt4-25-automatic-electrical-vibration-block-machine.html>