

QT5-15 Automatic Paver And Block Making Machine

Medium scale automatic plant at 1200 blocks per hour, with a colour machine option for two-layer paving blocks.

QT5-15
BLOCK MACHINE



Overview

The QT5-15 is built for a plant that sells paving as well as walling. It runs at 4600 to 5200 vibrations per minute with 45 to 65 kN of vibration force on a 15 to 20 second cycle, producing hollow blocks, porous blocks, curbs and pavement blocks. Add a colour machine and it produces layer blocks, where a thin face mix of coloured material sits on a cheaper base mix. Raw material can be fly ash, slag, gangue or other industrial waste as well as river sand, gravel and cement.

Key Benefits

- 1200 pieces per hour on a 400 x 200 x 200 mm hollow block, 9600 per 8 hours
- 5760 standard bricks per hour at 230 x 110 x 70 mm
- Colour machine option produces two-layer face-mix paving blocks
- High vibration frequency of 4600 to 5200 times per minute for dense pavers
- 1070 x 550 mm pallet carries five hollow blocks per cycle

Technical Parameters

Machine overall size	7400 x 1950 x 2800 mm
Power	26.5 KW
Vibration force	45-65 KN
Moulding cycle	15-20 s
Vibration frequency	4600-5200 times/min
Pallet size	1070 x 550 mm
Colour machine	Optional, for two-layer blocks
Raw materials	Fly ash, slag, gangue, industrial waste, river sand, gravel, cement

Production Capacity

Block size (mm)	Pcs per mould	Pcs per hour	Pcs per 8 hours
400 x 200 x 200	5	1200	9600
230 x 110 x 70	24	5760	46080
200 x 100 x 60	15	2700	21600

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

Who It Is For

- Plants supplying both construction and municipal paving markets
- Producers who want a colour face mix without a separate paving line
- Buyers converting industrial waste streams into saleable product

Use Guide

- Run the base mix and the face mix as two separate batches when the colour machine is fitted
- Keep the face layer thin: it carries the colour and the wear surface, not the strength
- Use the higher end of the vibration frequency range for thin paving moulds
- Cure pavers under cover and keep them damp so colour develops evenly

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<https://www.chinabrickmate.com/products/qt5-15-automatic-paver-and-block-making-machine.html>