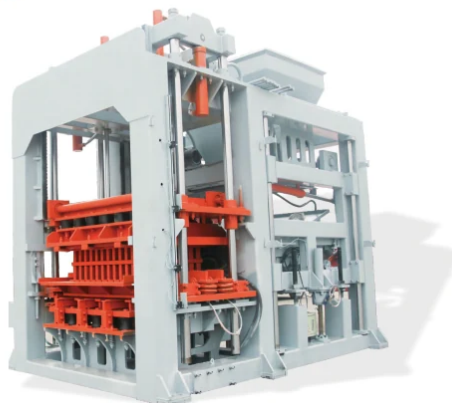


QT10-15 Full Automatic Concrete Block Production Line

Large production line with Siemens, Omron and Yuken components, 90 kN vibration and a published output table across seven block types.

QT10-15
BLOCK MACHINE



Overview

The QT10-15 is the flagship large-scale line. It is specified around first-tier components - a Siemens control system, Omron sensors, Japan Yuken hydraulic valves and Taiwan-made proportional pressure parts - to keep failure rates and daily maintenance low on continuous production. The vibration system delivers up to 90 kN at an adjustable 3000 to 5200 times per minute, and the published capacity table covers seven block types from load-bearing hollow blocks to municipal curbstones.

Key Benefits

- Ten hollow blocks per cycle: 1800 to 2100 pieces per hour on a 400 x 200 x 200 mm block
- Up to 12500 standard solid bricks per hour at 230 x 110 x 70 mm
- 90 kN excitation force with vibration frequency adjustable from 3000 to 5200 per minute
- Siemens control, Omron sensors and Japan Yuken hydraulic valves as standard
- 12 to 25 second cycle with table-integrated vibration for uniform density

Technical Parameters

Overall dimension	3500 x 2300 x 2930 mm
Total main machine power	41.25 KW
Single pallet moulding cycle	12-25 s
Vibration frequency	3000-5200 times/min
Excitation vibration force	90 KN
Vibration form	Table integrated vibration
Standard pallet size	1100 x 900 mm
Pallets matched to the line	1500 pcs
Working voltage	Customised to the local grid
Control system	Siemens

Hydraulic valves	Japan Yuken
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Production Capacity

Block size (mm)	Pcs per mould	Pcs per hour	Pcs per 8 hours	Application
400 x 100 x 200 hollow block	20	3600-4800	28800-38400	Building exterior walls
400 x 150 x 200 hollow block	14	2700-3150	21600-25200	Indoor partition walls
400 x 200 x 200 hollow block	10	1800-2100	14400-16800	Main load-bearing walls
230 x 110 x 70 solid brick	50	7800-12500	62400-100000	Alternative to clay bricks
225 x 112.5 x 60 paving brick	24	4050-4500	32400-36800	Roads and park landscapes
200 x 100 x 60 interlocking brick	27	5250	42000	Walkways and squares
200 x 160 x 60 curb stone	18	3240	25920	Municipal road edging

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

Who It Is For

- Large brick factories and building material manufacturers
- Solid waste recycling operations with a steady raw material stream
- Buyers whose tender specifications name component brands

Use Guide

- Cure finished blocks naturally and spray water regularly to keep them moist
- Cover finished blocks and shelter them from rain to prevent surface damage and cracking
- Use a forklift for cured bricks and finished stacks, and a wheel loader to feed raw material into the mixing system
- Flip the pallets regularly so both faces are used, which extends pallet life and reduces deformation

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<https://www.chinabrickmate.com/products/qt10-15-full-automatic-concrete-block-production-line.html>