

QT4-15 Automatic Concrete Hollow Block Making Machine

Full hydraulic automatic machine producing 5000 to 7000 standard blocks per 8 hour shift from sand, fly ash, slag, gangue or construction waste.



Overview

The QT4-15 is the entry point into the fully automatic range. A full hydraulic moulding system works with high-frequency vibration, so pressure output stays stable and the finished blocks come out dense, flat and dimensionally accurate. Feeding, distribution, moulding, demoulding and palletising all run under PLC control from a colour touch screen, with fault self-diagnosis built in. The moulding cycle is 15 to 20 seconds and a shift produces 5000 to 7000 standard blocks.

Key Benefits

- 5000 to 7000 standard blocks per 8 hour shift on a 15 to 20 second cycle
- Full hydraulic moulding gives a lower failure rate than mechanical presses
- One-key start with automatic feeding, distribution, moulding, demoulding and palletising
- Fault self-diagnosis in the PLC shortens daily troubleshooting
- Runs on sand, stone, cement, fly ash, slag, coal gangue and construction waste

Technical Parameters

Moulding cycle	15-20 s
Output per 8 hour shift	5000-7000 standard blocks
Moulding system	Full hydraulic with high-frequency vibration
Control	Industrial PLC with colour touch screen and fault self-diagnosis
Control switches	Omron or Schneider
Main motor	Siemens or ABB
Mould treatment	Precision wire cut and carburised
Raw materials	Sand, stone, cement, fly ash, slag, coal gangue, construction waste
Machine dimensions	Not published - confirmed with the quotation

Total power	Not published - confirmed with the quotation
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Who It Is For

- Medium and large brick plants running continuous shifts
- Producers who need certified dimensional accuracy on every block
- Plants under pressure to use recycled and industrial waste raw material

Use Guide

- Set the mix design for the aggregate in use before the first automatic run
- Start the line from the touch screen and let the cycle stabilise for several pallets before judging block quality
- Read the fault self-diagnosis screen first when the line stops; it names the station that halted
- Check mould wear on a schedule rather than after dimensions drift

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<https://www.chinabrickmate.com/products/qt4-15-automatic-concrete-hollow-block-making-machine.html>