

**Zhengzhou Bona Enterprise Co., Ltd.**

 **0086-371-8709 1886**  **zzbona@zzbona.com**

<http://www.bona-brickmachine.com>

Add: Room 605.Unit 1.Building 4. No.39 Huayuan Road, Jinshui District, Zhengzhou City, Henan Province.

### **brick molding machine**

#### Specifications

- 1.Fully Automatic Block Making Machine,
- 2.Block Machine,
- 3.Block Making Machine.
- 4.Block Making Machinery

Concrete Block Making Machine, Brick Making Machine, Block Machine, Brick Machine. Fully Automatic Production.



#### **BIG FIVE ADVANTAGES OF QGM AUTOMATIC BLOCK MAKING MACHINES**

#### Main Technical Specifications

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Production per Mould:	4 pcs/mould (Standard Block: 400x200x200mm)
	24 pcs/mould (Solid Block: 240x115x53mm)
	12 pcs/mould (Hollow Block: 240x115x90mm)
	14 pcs/mould (Holland Brick: 200x100x60-80mm)
Cycle Time:	15-20 seconds
Production per Day (8 Working Hours):	Hollow Block (400x200x200mm): 5760-7680 pcs
	Solid Block (240x115x53mm): 34560-46080 pcs
	Hollow Block (240x115x90mm): 17280-23040 pcs
	Holland Brick (200x100x60-80mm): 16128-20160 pcs
Vibrating Frequency:	3300 rolls/minute
Vibrating Force:	50 KN
Motors Power:	25.5 KW
Machine Dimensions:	9500x2800x2750mm
Pallet Size:	850x560mm
Gross Weight:	about 7T
Raw Materials:	crushed stone, sand, cement, dust and coal fly ash, cinder, slag, gangue, gravel, perlite, and other industrial wastes.
Applied Products:	concrete blocks, solid/hollow/cellular masonry products, paving stones with or without face mix, garden and landscaping products, slabs, edgers, kerbstones, grass blocks, slope blocks, interlocking blocks, etc.
Applied Fields:	widely used in buildings, road pavings, squares, gardens, landscaping, city constructions, etc.

Our [block brick making machine](#), with harmonic cooperation between mechanical, electrical and hydraulic machines functions, guarantee a reliable and high output production of concrete products.

1. Use Germany Siemens PLC control system and Siemens Touch Screen, use Schneider and Omron relays and contactors:

- A. Siemens PLC, with great adaptability, guarantees the stability and reliability of the machine;
- B. Visualization touch screen, with easy operation;
- C. High-quality electrical components from Schneider and Omron;

2. Use Frequency Conversion Control Technology, which controls the [brick molding machine](#):

A. Frequency Conversion Control: guarantees the precise and parallel movement between tamper head and mould, protects the products from transfiguration; increases the production rate by improving the vibrating efficiency;



- B. Controls the instantaneous start and stop of the motors, to protect the motor from over-heating caused by constant working;
- C. Power saving: 30%;
- 3. Use Double high-dynamic Proportional/Directional Valves to automatically adjust the oil flow and pressure
  - A. Buffer the hydraulic cylinder, to protect the cylinder from damage caused by inertia;
  - B. Guarantee production stability;
- 4. 360° Multi-Shaft Rotating and Compulsory Feeding:
  - A. Speedy and rotating feeding, with uniform mixing, to make sure that the density and intensity of the products are guaranteed;
  - B. This uniform feeding is applicable for different kinds of raw materials and moulds;
- 5. Use heat treatment on moulds and main parts of the machines:
  - A. Heavy duty machine structure and wear resistant moulds;
  - B. The hardness reaches up to HRC 52-58;
  - C. Greatly improves the using lifetime of the machine by 50%

**Main Features:**

- 1) Uses Germany Siemens PLC control system and Siemens Touch Screen.
  - A. Visualization screen with easy operation;
  - B. Is able to set up, update and amend the production perimeters, to maximize the production output;
  - C. Dynamic display of the systems status, automatic trouble shooting and warning notice;
  - D. Has automatic-locking function, avoiding mechanical accidents caused by operational mistakes;
  - E. Is able to troubleshoot the machinery via teleservice.
- 2) Uses high-dynamic proportional and directional valves, which automatically adjust the oil flow and pressure as per specific working requirements, to buffer the hydraulic cylinder when working; uses integrated high-pressure and soft oil pipes, with easy installation;
- 3) Uses multi-shaft rotating and compulsory feeding, which greatly improves the density and intensity of the blocks, and reduces the feeding time as well;
- 4) Integrated structure of vibrating and moulding platforms, which reduces the weight of the machine, and improves the vibrating efficiency;
- 5) Uses double-line aero vibration-proof system, which reduces the vibrating force on the mechanical parts, improves the using lifetime of the machine, and reduces the noise;
- 6) High-precision guide bearings are used to assure the precise movement between the tamper head and the mould;
- 7) Heavy-duty machine frame, which uses high-intensity steel and advanced heat treatment, is wear resistant.