

QT4-15 Automatic Block Making Machine



Dimension:	9450*3300*2700mm	Rating pressure:	25MPa
Vibration:	Table vibration اهزاز طاولة	Vibration frequency:	3800-4500r/min
Pallet size:	980*560*20mm	Cycle time:	15-25s
Power:	24KW	Weight:	6200kg

Seen from the model number of the QT4-15 automatic block making machine, the product is capable of making 4 blocks in size of 400*200*200mm by each mold and the operation cycle lasts 20 seconds. Additionally, our product has the production capacity of 1600 blocks within 8 working hours. Due to the changeable molds, this automatic block making machine is available in forming diversified blocks, bricks and other products.

Main Technical Specification

	4pcs/Pallet(BLOCK 400*200*200mm) 800pcs/hr.
Production 8 hrs.	18pcs/Pallet(SOLID 240*115*53mm) 3600 pcs /hr.
Production per Shift	10pcs/pallet(HOLLAND BRICK 200*100*60mm)2000pcs/hr. 10pcs/pallet(RIPPLE SHAPE 225*112.5*60mm) 2000pcs/hr.
Cycle Time	15-20seconds
Vibrating speed	2900rolls/ minute
Vibrating Force	68KN
Motors Power	18.5KW
Machine Dimensions	9450*3300*2700mm
Pallet Size	880*560*20mm
Gross Weight	about 6.2T
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, curbstones, grass blocks, slope blocks, interlocking blocks, etc.
Applied Fields	widely used in buildings, road pavings, squares, gardens, landscaping, city constructing, etc.

Note: All the production parameters are subject to change, without prior notice.

Main Features

1. This automatic block making machine is installed with the airbag cylinder that is used to absorb the vibration,.
2. Designed with the integrated platform for vibrating and molding, the machine functions light

weight and high vibrating efficiency.

3. There are two motors driving the vibrator through the transmission shaft without the inconsistency of double motors, facilitating the power conservation.
4. The double lined aero vibration resistant system is applied to alleviate the vibrating impact on the mechanical parts. Therefore, this product is able to work for a longer time with noise reduction.

Five Advantages

1. Use frequency Conversional Control technology

- a) Under the frequency conversion control, this automatic block making machine utilizes the precise guide bearings to ensure the precise and parallel movement between the tamper head and mold, effectively avoiding the deformation of the machine. In addition, the production rate is increased significantly with improvement of the vibrating efficiency.
- b) With the frequency controlled vibration, the motors are controlled properly for its instantaneous start and stop so as to avoid overheating resulting from the ceaseless operation.
- c) This product is able to generally save 30% power.

2. Double Proportional and Direction Valves with High Activity

- a) This automatic block making machine utilizes this valve to regulate the oil flow and pressure automatically, preventing the hydraulic cylinder from being damaged by the inertia. Moreover, the application of the valve ensures the stable production.
- b) It chooses the integrated and soft oil pipes with high pressure that are convenient for installation.

2. 360*Multi-shaft Rotating and Compulsory Feeding

- a) This product offers high speed rotating and compulsory feeding and uniform mixing for the materials to ensure the block or bricks are made with optimal density and intensity. Moreover, the feeding time is largely shortened.
- b) With the even feeding performance, this product is suited for diverse raw materials and molds.

3. Germany Siemens PLC Control System. Touch Screen and Electrical Components

- a) This automatic block making employs the visualized touch screen that shows the dynamic status of the system. This service is very easy for parameters setting, upgrading and adjusting to optimize the production output. Moreover, it offers automatic warning and automatic trouble shooting through the telecom service. Due to the automatic locking performance, some mechanical accidents caused by operational mistakes can be prevented effectively.
- b) The Siemens PLC control system presents high adaptability, making sure of the stable and creditable performance of the machine.
- c) Our product chooses the optimal electrical components from Siemens.

5. Thermal Treatment on Molds and Principal Parts

- a) This automatic block making machine is designed with the heavy duty frame that is made of high intensity steel with progressive thermal treatment. Both the machine and the molds are highly abrasion resistant.
- b) The hardness of the product is tested to be HRC 52.
- c) Due to the advanced production technology, the machine has an increase of lifespan by 50%.



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