

Simple Block Machine Production line



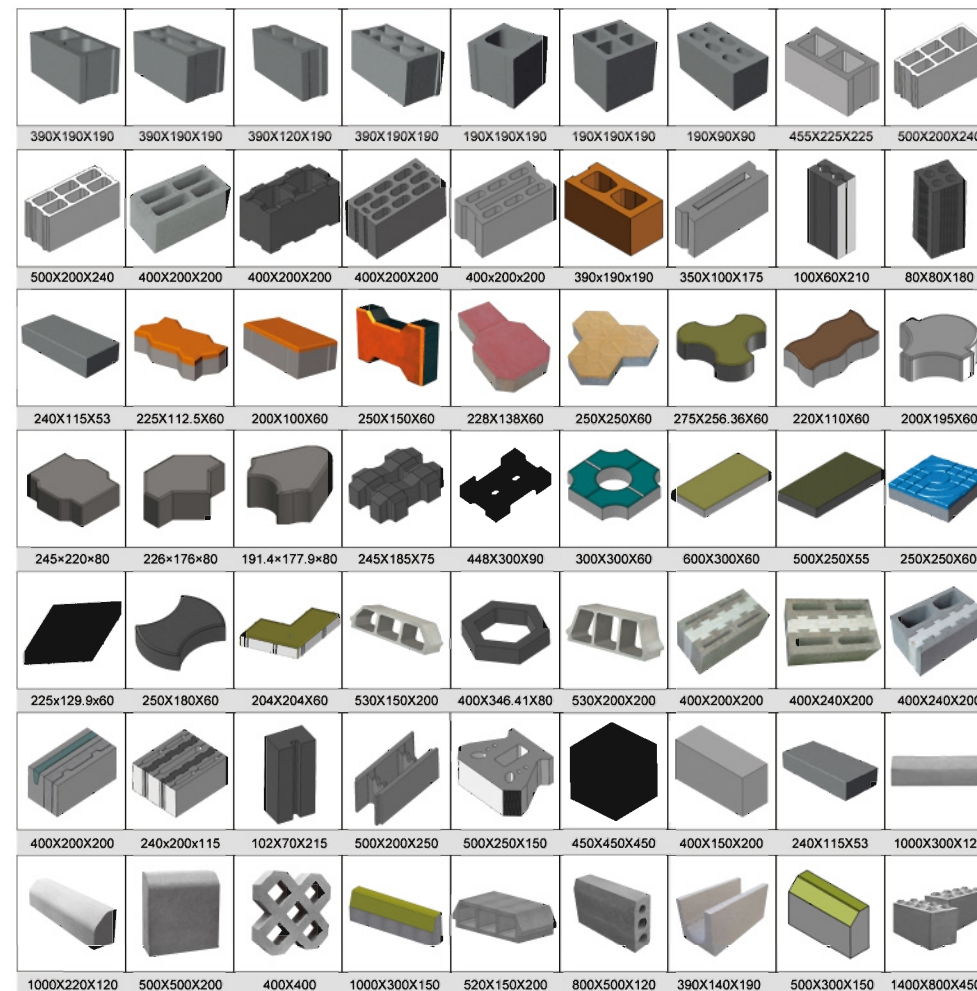
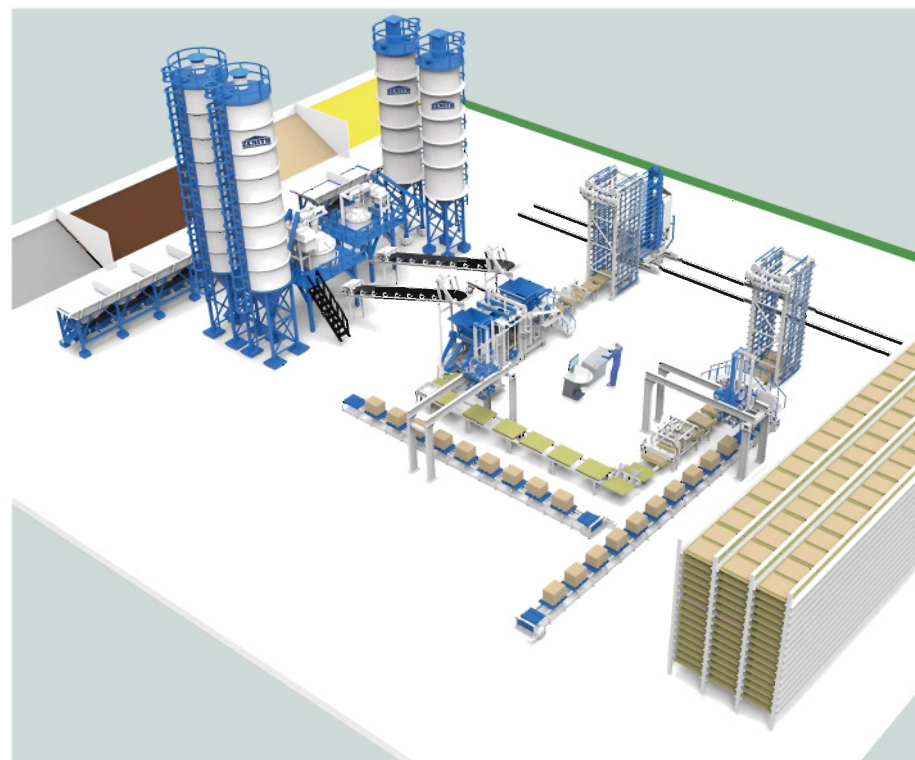
Automatic Block Machine Production line



Automatic Block Machine Production Line with Movable Rack System

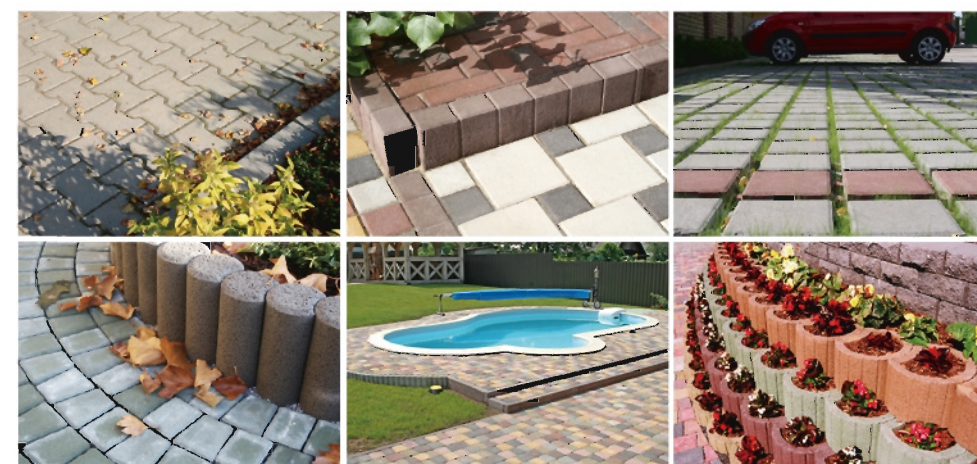


Automatic Block Machine Production Line with Curing Chamber System



Quangong Machinery Co.,Ltd Zenith Maschinenfabrik GmbH

With Quality & Service,
We Provide Integrated Solution for Concrete Block Making.



QGM
Quangong Machinery Co., Ltd
Add: NO.777, Hailing Road, Taiwanese Investment Area, Quanzhou City, Fujian Province, China
Tel: +86-595-867 99299
Fax: +86-595-867 99557
www.qzmachine.com

ZENITH
ZENITH Maschinenfabrik GmbH
Zenith-Strasse 1
57290 Neunkirchen Germany
Tel: +49 2735 779-234
Fax: +49 2735 779-211
www.zenith.de

We are specialized in:
Concrete Block and Paver Making Plant
Concrete Batching and Mixing Plant (Ready Mix Plant)



Company Profile

- QGM was founded in 1979, which is the leading block machine manufacturer and has the longest history in China;
- Since 2012, QGM has established branch offices all over the world, including Saudi Arabia, Oman, Algeria, Indonesia, Nigeria, India, Vietnam, South Africa & Uganda, etc., to better service clients;
- In 2013, with the application of the most advanced frequency conversion technology from QGM R&D center, new models ZN900C, ZN1000C & ZN1500C were launched. ZN Serial machines are well-known for its high production & stable performance;
- In 2014, QGM fully acquired ZENITH Maschinenfabrik GmbH, one of the most famous concrete block-making machine manufacturers in Germany, and renamed it Zenith Maschinenfabrik GmbH;
- In 2017, QGM established a joint venture, APOLLOZENITH Concrete Technologies Pvt.Ltd, with Apollo Group in Gujarat;
- In 2019, QGM Mould Co., Ltd was established, concentrating on the design, production & sales of different brands of moulds;
- Benefiting from close cooperation with Zenith Maschinenfabrik GmbH, Apollo Zenith Concrete Technologies Pvt. Ltd & Fujian Quangong Mould Co., Ltd, QGM Group is an internationally well-known manufacturer of high-end systems and machines for the concrete industry, turning into a wider range product supplier.





QT6

China QGM QT6 Automatic Block and Paver Making Machine

Made in China



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|--------------------|----------------|---|--------------------|----------------------|
| Hollow Block | 400x200x200mm |  | 6 | 6,000-8,500 pcs |
| Hollow Block | 400x150x200mm |  | 8 | 8,000-11,200 pcs |
| Paver with facemix | 200x100x60mm |  | 21 | 23,1 0 0-25,200 pcs |
| Interlock | 225x112.5x60mm |  | 15 | 16,500-18,000 pcs |

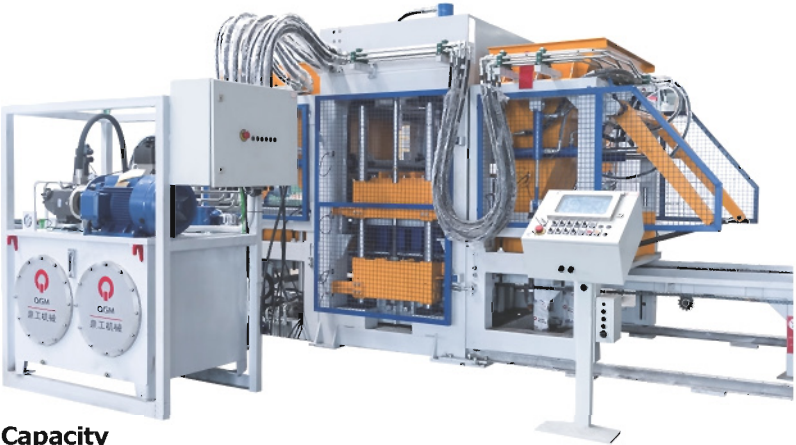
Technical Specification:

- Pallet size 850x680mm, the most economical machine for concrete block making.
- SIEMENS S7-1200 PLC Control technology.
- Complete Siemens electrical components: Siemens Touch Screen, Siemens Contactors, etc.
- Siemens frequency conversion control technology with Siemens vibration motors.
- Japanese high dynamic proportional/directional hydraulic valves.
- Heat treatment and carburization on main parts of the machine and moulds.





QT10

China QGM QT10 Automatic Block and Paver Making Machine

Made in China



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|--------------------|----------------|---|--------------------|----------------------|
| Hollow Block | 400x200x200mm |  | 10 | 10,000-12,000 pcs |
| Hollow Block | 400x150x200mm |  | 14 | 14,000-16,800 pcs |
| Paver with facemix | 200x100x60mm |  | 35 | 35,000-42,000 pcs |
| Interlock | 225x112.5x60mm |  | 27 | 27,000-32,400 pcs |

Technical Specification:

- Pallet size 1250x850mm, the medium capacity machine for concrete block making
- SIEMENS S7-1200 PLC Control technology.
- Complete Siemens electrical components.
- Siemens frequency conversion control technology with Siemens vibration motors.
- Japanese high dynamic proportional/directional hydraulic valves.
- Heat treatment and carburization on main parts of the machine and moulds.





ZN900CG

China QGM ZN900CG Automatic Block and Paver Making Machine

Made in China



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|--------------------|----------------|---|--------------------|----------------------|
| Hollow Block | 400x200x200mm |  | 9 pcs | 10,800-13,500 pcs |
| Paver with facemix | 200x100x60mm |  | 36 pcs | 43,200-54,000 pcs |
| Interlock | 225x112.5x60mm |  | 25 pcs | 30,000-37,500 pcs |
| Curbstone | 1000x300x150mm |  | 2 pcs | 2,300-2,500 pcs |

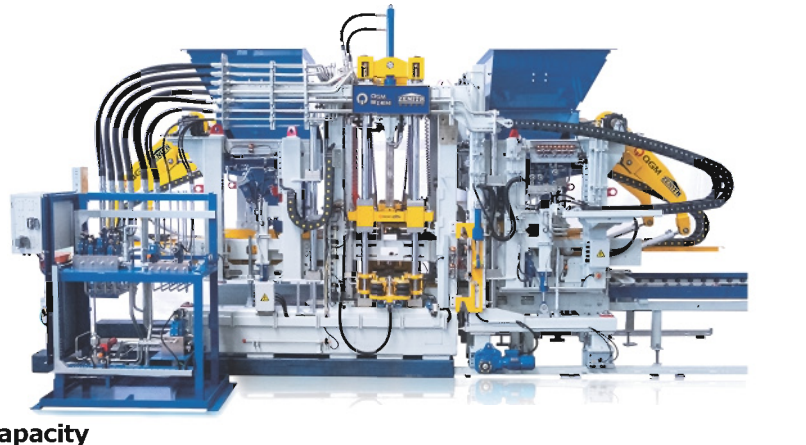
Technical Specification:

- Pallet size 1350x700mm, forming area is 1300x650mm, suitable for producing pavers.
- Standard equipped with air bags mould clamping device.
- Servo motors controlled vibration system, up to 4000rpm. It can ensure the two motors in a very synchronized state and the very fast dynamic response time can great shorten the machine cycle time.
- Optional with absolute encoder and linear transducer controlled for the exact movement of filler car and tamper head movement.
- Optional with quick mould changing device: change a mould with 10-15 minutes.
- Italian high dynamic proportional hydraulic valves and Italian ALFAGOMMA hydraulic pipe with flange connection
- Heat treatment and carburization on main parts of the machine and mould.





ZN1000-2C

China QGM ZN1000C Automatic Block and Paver Making Machine

Made in China



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|--------------------|----------------|---|--------------------|----------------------|
| Hollow Block | 400x200x200mm |  | 10 | 18,000-20,000pcs |
| Hollow Block | 400x150x200mm |  | 14 | 25,000-28,000pcs |
| Paver with facemix | 200x100x60mm |  | 35 | 63,000-70,000pcs |
| Interlock | 225x112.5x60mm |  | 24 | 43,000-48,000pcs |

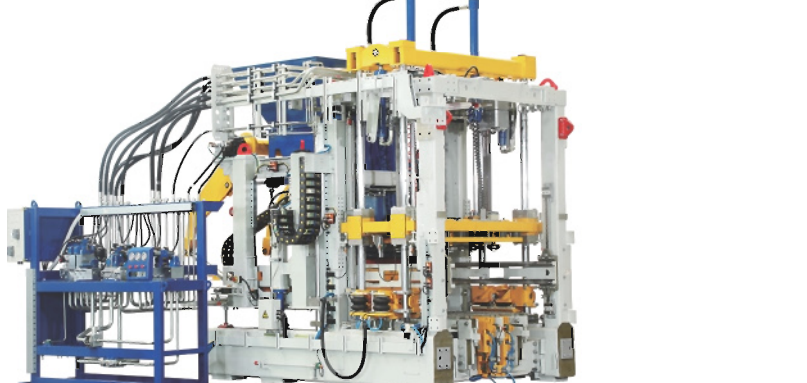
Technical Specification:

- Pallet Size 1200x950/870mm, suitable for all types of concrete blocks from 40-350mm height.
- Special designed vibration system: Top vibration and bottom vibration.
- Special designed vibration table: Static and dynamic vibration table with Sweden Hardox Steel.
- Siemens S7-1200 PLC Control technology.
- Latest Servo vibration technology for better compaction.
- The mould can be changed within 10-15 minutes with quick-mould changing system.
- Heat treatment and carburization on main parts of the machine and moulds.





ZN1200-2C

China QGM ZN1200S Automatic Block and Paver Making Machine

Made in China



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|--------------------|----------------|---|--------------------|----------------------|
| Hollow Block | 400x200x200mm |  | 12 pcs | 14,400-18,000 pcs |
| Hollow Block | 400x150x200mm |  | 16 pcs | 19,000-24,000 pcs |
| Paver with Facemix | 200x100x60mm |  | 50 pcs | 60,000-75,000 pcs |
| Interlock | 225x112.5x60mm |  | 32 pcs | 38,400-48,000 pcs |

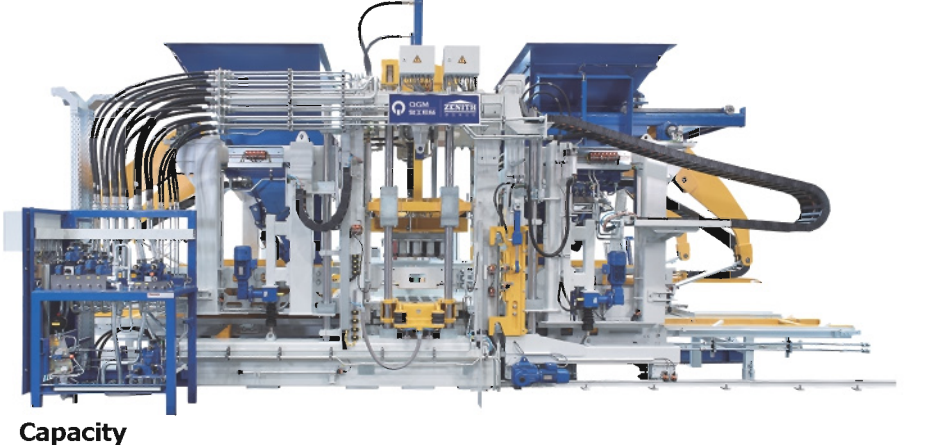
Technical Specification:

- Pallet size 1200x1150mm, forming area is 1100x1080mm which is very easy for palletizing.
- Special designed vibration system: Top vibration and bottom vibration.
- Special designed vibration table: Static and dynamic vibration table.
- Siemens S7-1200 PLC controlled technology.
- Latest Servo vibration technology for better compaction.
- The mould can be changed within 10-15 minutes with quick-mould changing system.
- Heat treatment and carburization on main parts of the machine and moulds.





ZN1500-2C

China QGM ZN1500-2C Automatic Block and Paver Making Machine

Made in China



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|--------------------|----------------|---|--------------------|----------------------|
| Hollow Block | 400x200x200mm |  | 15 | 18,000-22,500 pcs |
| Paver with facemix | 200x100x60mm |  | 54 | 64,800-81,000 pcs |
| Interlock | 225x112.5x60mm |  | 40 | 48,000-60,000 pcs |
| Curbstone | 1000x300x150mm |  | 6 | 6,000-7,200 pcs |

Technical Specification:

- Pallet size 1400x1100mm, suitable for all types of concrete products from 50mm-500mm height.
- Special designed vibration system: Top vibration and bottom vibration.
- Special designed vibration table: Static and dynamic vibration table with Sweden Hardox Steel.
- Siemens S7-1500 PLC Control technology.
- Siemens frequency inverters controlled vibration technology, option equipped with Servo-motors controlled vibration technology.
- Italian high dynamic proportional/directional hydraulic valves and imported hydraulic pipes from Italy.
- Heat treatment and carburization on main parts of the machine and moulds.





913SC

German ZENITH 913SC Movable Block Machine

Made in Germany



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|--------------|---------------|---|--------------------|----------------------|
| Hollow Block | 400x200x200mm |  | 12 | 9,792 pcs |
| Hollow Block | 400x150x200mm |  | 16 | 13,165 pcs |
| Hourdís | 520x160x200mm |  | 12 | 9,792 pcs |
| Solid Block | 400x200x200mm |  | 12 | 9,792 pcs |

Technical Specification:

- Machine production area 1240x1130mm, suitable for concrete block products from 175mm-330mm height.
- Available in Semi and fully automatic execution.
- Frequency control motor, low power consumption and stable performance.
- More than 6,000 units are in operation worldwide, the best selling block machine in the world.





844SC

German ZENITH 844SC Stationary Multilayer Machine

Made in Germany



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|---------------------|--------------|---|--------------------|----------------------|
| Pavers with facemix | 200x100x60 |  | 54 | 1,092 m² |
| Interlock | 225x112.5x80 |  | 40 | 1,040 m² |
| I shape Pavers | 198x163x60 |  | 30 | 1,040 m² |
| Curbstone | 150x1000x300 |  | 4 | 2,496 pcs |

Technical Specification:

- Best machine in economical mass production of pavers.
- The single product layers are protected and separated by a layer of dry sand or plastic foil.
- The ready products cube only needs to be cured and packaged, many intermediate transports are saved.
- Siemens S7-1500 PLC Control technology.
- 15" innovative Touch-Operator-Panel, revolutionary visualized menu navigation, easy and self-explanatory operation for all machine function.





940SC

German ZENITH 940SC Movable and Multilayer Machine

Made in Germany



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|---------------------|--------------|---|--------------------|----------------------|
| Hollow Block | 400x200x200 |  | 12 | 8,640 pcs |
| Pavers with facemix | 200x100x60 |  | 54 | 817 m² |
| Interlock | 225x112.5x80 |  | 40 | 757 m² |
| Curbstone | 150x1000x300 |  | 4 | 2,504 pcs |

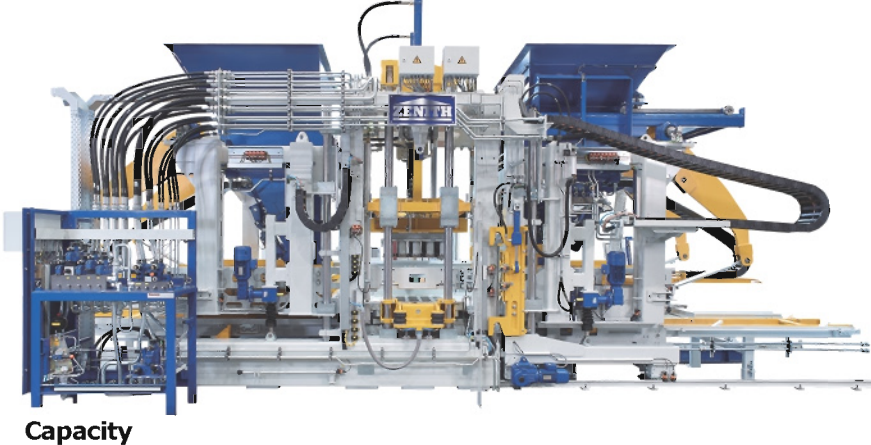
Technical Specification:

- It can make the widest scope of production possibilities, from standard concrete products to non-standard special products which can't be produced by single pallet machine.
- Multilayer production for segmental units such as pavers or hollow blocks as well as insulation blocks.
- The single product layers are protected and separated by a layer of dry sand or plastic foil.
- The ready products cube only needs to be cured and packaged, many intermediate transports are saved.
- Siemens S7-1500 PLC Control technology.





1500-2

German ZENITH 1500-2 Single Layer Pallet Machine

Made in Germany



Capacity

| Products | Block Size | Photo | Capacity per cycle | Capacity per 8 hours |
|--------------------|----------------|---|--------------------|----------------------|
| Hollow Block | 400x200x200mm |  | 15 | 28,800 pcs |
| Paver with facemix | 200x100x60mm |  | 60 | 2,419 m² |
| Interlock | 225x112.5x80mm |  | 40 | 1,612 m² |
| Curbstone | 1000x250x150mm |  | 6 | 8,640 pcs |

Technical Specification:

- High performance single pallet machine for massive production of all types of concrete products such as hollow blocks, interlock pavers and curbstone.
- Robust and bolted-in machine frame consisting of side frame left and right, vibration table beam, vibration table motor beam and crosshead. All wear parts can be easily exchanged within shortest time
- Unique Zenith "Ultra Dynamic" vibration technology, the latest and high-quality vibrating system for block machine.
- Improved feed box design
- Siemens S7-1500 PLC control technology
- Online troubleshooting system