www.apollozenith.com

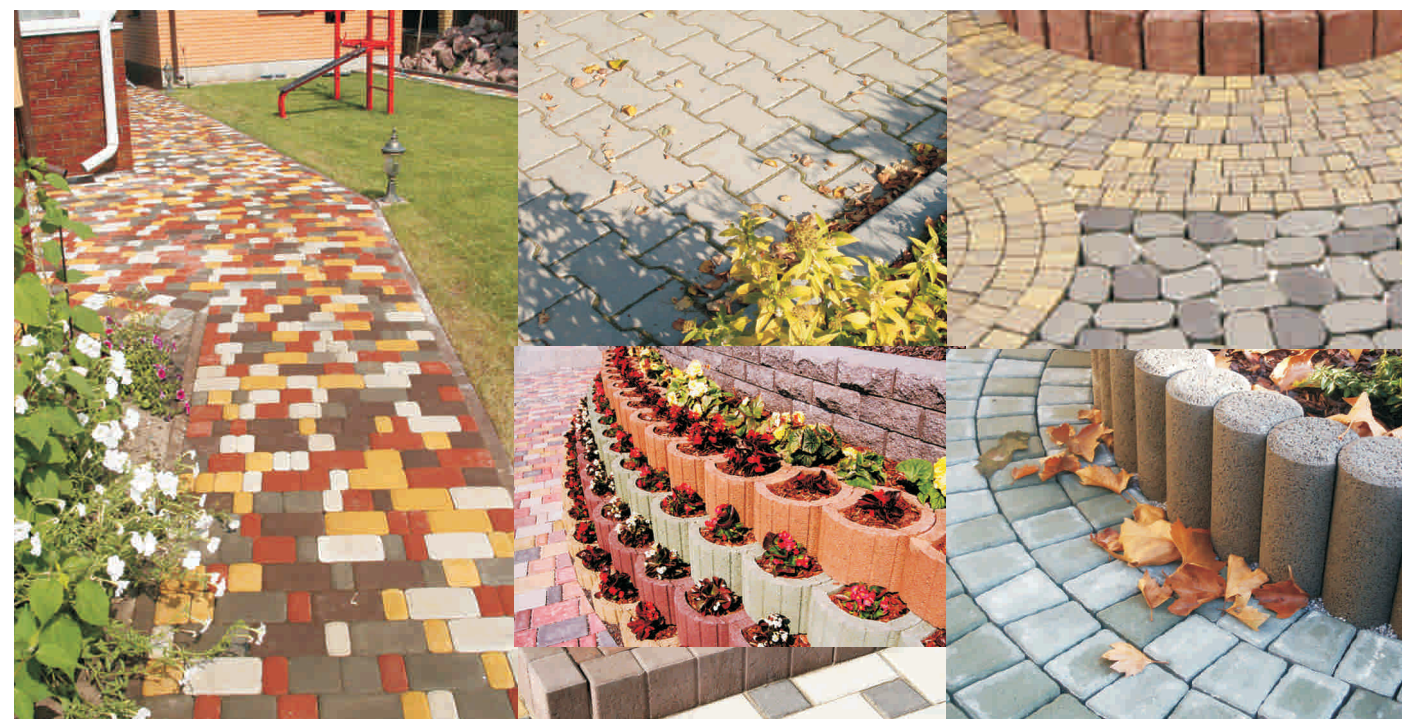# Integrated Solutions
for Block Making

The technical specifications in this catalogue is subject to change without prior notice
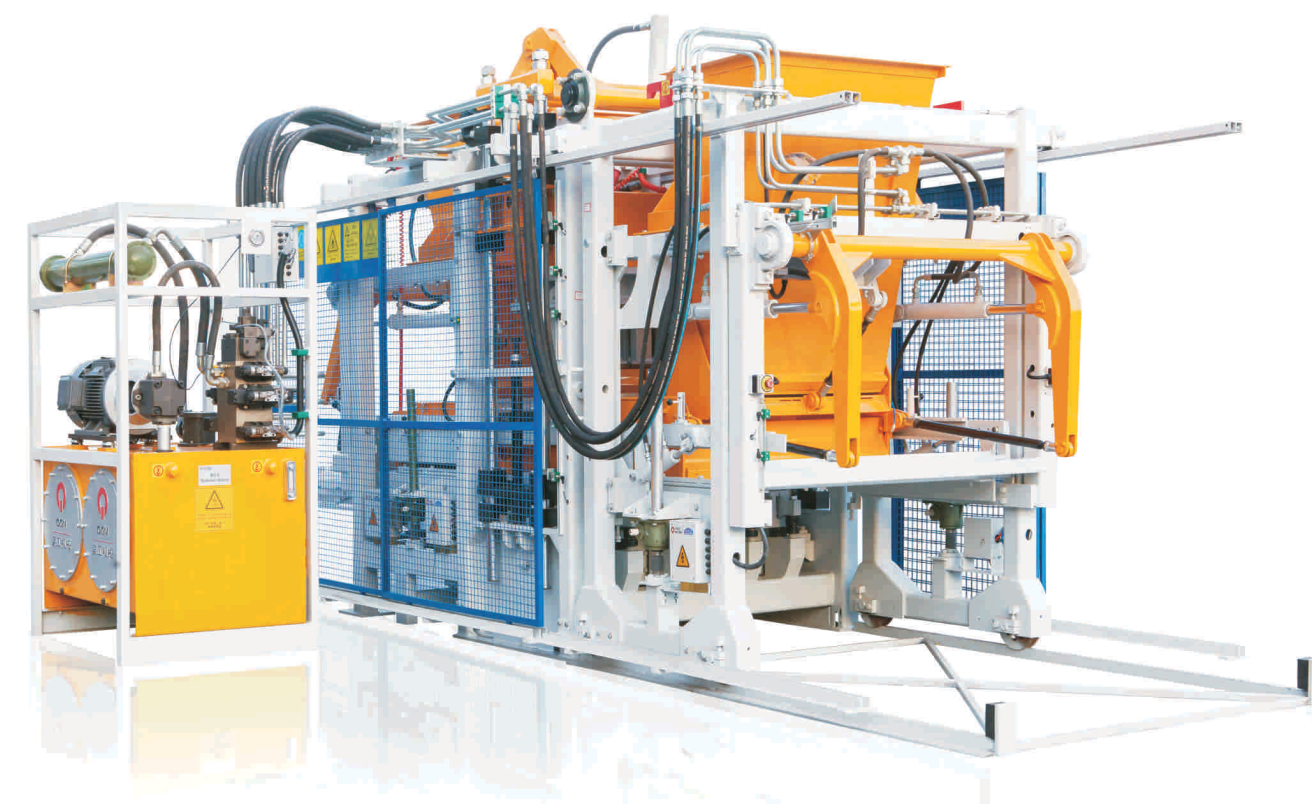
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Automatic Block Making Machines
ZN 1000 & ZN 1500

Apollo ZENITH

Fully Automatic Production Line

CHAMPIONS

Designed in Germany

The ZN series models are designed by German Engineers at R&D Centre in Emden, Germany and are well known for its High Production capacity and stable performance.

- ZN- series Automatic Block Making Machines are equipped with a frequency conversion vibration system.
- The systems include motors for bottom vibration & motor for Top vibration. It is equipped with Siemens frequency converter.
- For reliable performance the product is outfitted with Siemens PLC, as well as Touch Screen.
- Moreover the Hydraulic system of this machine is composed of integrated modular units as well as Siemens motors.

6 Core Technologies of ZN Series Machines

ZN 1000

Height of Finished Products	50- 300 mm	Bottom Vibration	2 x 7.5 kw
Cycle Time	15-25 s (as per mould)	Top Vibration	2 x 0.65 kw
Hopper Volume	900L for Base Concrete 750L for Face Concrete	Electrical Control	Siemens
Pallet Size	1200 x 870 x 45 mm 1200 x 870 x 12 mm	Overall Dimension (L x W x H)	5200 x 2300 x 2960 mm
Forming Area	1100 x 820 mm	Total Weight	9.0 T (without Facemix) 12.0 T (with Facemix)

Product	Size	Production /Mould	Production Cap / 8hr
Hollow Block	400 x 200 x 200 mm	10	12,000 - 15,000
Rectangular Paver (with face mix)	200 x 100 x 60 mm	35	42,000 - 52,500
Zig-zag Paver	225 x 112.5 x 60 mm	24	28,800 - 36,000

ZN 1500

Height of finished Products	50- 500 mm	Bottom Vibration	4 x 7.5 kw
Cycle Time	12-20 s (as per mould)	Top Vibration	2 x 1.1 kw
Hopper Volume	3.8 m3 for aggregate 3.8 m3 for facemix	Electrical Control	Siemens
Pallet Size	1400 x1100 x 50 mm 1400 x 1100 x 14 mm	Overall Dimension (L x W x H)	7600 x 2400 x 4400 mm
Forming Area	1300 x 1050 mm	Total Weight	18.3 T (without Facemix) 25.2 T (with Facemix)

Product	Size	Production /Mould	Production Cap / 8hr
Hollow Block	400 x 200 x 200 mm	15	18,000 - 22,500
Rectangular Paver (with face mix)	200 x 100 x 60 mm	54	64,800 - 81,000
Zig-zag Paver	225 x 112.5 x 60 mm	40	48,000 - 60,000

01 High - efficient Vibration
Adopt the most - advanced vibration technology from Germany. The vibration table consists of dynamic table & static table, which greatly improves the vibration efficiency and guarantees the high quality of concrete products.

02 High - efficient Hydraulic System
The hydraulic pump & valve are from international brand. Adopt high - dynamic proportional valve and constant output pump to adjust the oil speed & pressure, with the features of high - stability, high - efficiency and energy - saving.

03 Frequency conversional control & Energy - saving Frequency conversional technology was re-innovated and improved by Germany R&D center. It can save 20% - 40% power by adjusting the frequency converter, compared to traditional motor; at the same time, it can greatly improve the quality of concrete products and prolong the motor lifetime.

04 Fully - automatic Control
Perfectly combine the automation technology and system from Germany. The automatic control is of easy operation, low failure ratio and high reliability.

05 Compulsory Feeding
Uses two SEW feeding motors, which control two mixing shafts. The feeding frame, bottom plate & mixing blades are made of high - duty HARDOX steel, which strengthens the sealing performance and prevent the material leakage. The discharging gate is controlled by SEW motor.

06 Remote control(Optional)
Use the most-advanced industrial internet technology, with the advantages of remote control & operation, automatic trouble - shooting & maintenance.