

3D Semi-Automatic Production Line



General TechSpecs

Production Height	50~300mm	Top Vibration	2×0.55 kw
Cycle Time	15~20s(for Paver& Bricks) 20~25s (for Hollow & Solid Blocks)	Bottom Vibration	2×7.5 kw
Hopper Volume	750L for Face Concrete 900L for Base Concrete	Electric Control	SIEMENS
Vibration Force	100 KN	Power	40.2 kw
Vibration Motor Frequency	80 - 100 Hz.	Total Weight	9.0 T (without Facemix) 12.0 T (with Facemix)

ZN 900

Pallet Size	1350 x 700 x 30mm	Forming Area	1300×650mm
Product	Size	Pcs/Mould	Pcs/ 8hr
Hollow Blocks	400×200×200mm	9	10,400 - 12,900
Rectangular Paver	200×100×60mm	36	51,840 – 69,120
Zigzag Paver	225×112.5×80mm	25	36,000 – 48,000
Fly Ash Bricks	230×110×75mm	35	50,500 - 67,000

ZN 1000

Pallet Size	1200 x 870 x 25mm	Forming Area	1100×820mm
Product	Size	Pcs/Mould	Pcs/ 8hr
Hollow Blocks	400×200×200mm	10	11,500 – 14,400
Rectangular Paver	200×100×60mm	35	50,400 – 67,200
Zigzag Paver	225×112.5×80mm	24	34,500 – 46,000
Fly Ash Bricks	230×110×75mm	42	60,500 - 80,600

 **ZN 900/1000**

**AUTOMATIC BLOCK
MAKING MACHINE**

CHAMPIONS



Designed in Germany

Designed by German engineers at R&D Centre in Emden, Germany and well known for its high production capacity and stable performance.

- Equipped with Germany SIEMENS frequency conversion controlled vibration system
- With top & bottom vibration for better compactness & higher density of blocks
- Outfitted with SIEMENS latest S7-1200 PLC, as well as touch screen, button & electrical components
- Italy designed hydraulic system, composed of integrated modular units as well as SIEMENS motors.

6 Core Technologies of ZN900 & ZN1000 Machine

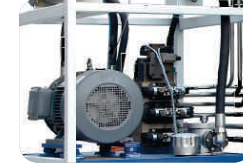


CORE TECHNOLOGY



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.



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.



Frequency conversional control technology

This energy saving 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.



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.



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.



Remote control (Optional)

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

 **ApollO ZENITH**