



HIGH-QUALITY
DURABLE PRODUCTS

MORE PRODUCTS
IN LESS TIME

FAST MOLD CHANGE &
RECIPE CONTROL &
REPORTING SYSTEM

CONCRETE PRODUCT
HEIGHT CONTROL WITH
LINEAR RULER SYSTEM

AUTOMATIC VIBRATION
ADJUSTMENT BY PRODUCT
GROUPS

NS-36/2

CONCRETE BLOCK MACHINE



Fully Automatic NS-36/2 Concrete Block Machine

has a high production capacity and speed, which we recommend for large scale operations compared to our other NS series models.

NS-36/2, which provides maximum efficiency with its product printing quality and capacity, is an advantage to investors since its investment cost is lower than our NS series model. NS 36/2 has a strong machine body and column shafts, can produce different models of concrete products such as, paving stone, hollow blocks, curbstone, pumice block, masonry, decorative stones etc. With height ranging from 40mm-500mm.

NS-36/2 concrete block machine group as standard Includes; **concrete block machine, pallet transfer systems, product handling systems and automation system**. Concrete block production line is divided into two groups as wet and dry products. While the wet product transfer cycle involves transferring the products leaving the machine to the curing process depending on the system cycle, the dry product transfer cycle includes preparing the products for packaging from the dry product stacking unit.

NS-36/2 concrete block machine is fully automatic and works with PLC system. Thanks to the automation system that manages and drives the entire facility, the same quality and quantity is obtained in every shift. The automation system software has a user-friendly interface and can be translated into the customer's preferred language. Production process starting from the aggregates weighing to final packaging can be monitored by a single operator via LCD touch screen control panel. In addition, our automation systems are designed to meet the demands of our customers to expand their facilities in the future.

TECHNICAL SPECIFICATIONS

AUTOMATIC VIBRATION ADJUSTMENT BY PRODUCT GROUPS

In NS-36/2 Concrete Block Machine, 4 servo controlled motors have a vibration system gathered in a single tray. Servo-controlled motors offer a smooth and rapid change in speed values since they operate stably at wide speed ranges. Since vibration adjustment is made separately for different product groups, production cycle is being reduced, daily production capacities are increased, which provides perfect compression and the best surface quality is achieved in products with high strength.

HIGH-QUALITY DURABLE PRODUCTS

Hydraulically driven agitator grid, mounted inside the base concrete filling box, ensures fast and even filling of all mould cavities. As a result all concrete products have the same density and dimensions.

MORE PRODUCTS IN LESS TIME

Heavy-duty welded machine frame is equipped with electric motor driven height and length adjustment devices. Both base and face concrete filling systems are connected to the machine's moulding unit via hydraulic clamps. This system reduces time and effort during mould change and maintenance works

CONCRETE PRODUCT HEIGHT CONTROL WITH LINEAR RULER SYSTEM

The height of the products moulded by using linear system with a precision of 0.1 mm can be adjusted to the required size, so that the product can be produced in the same size in minimum time.

4 AXIS HYDRAULIC SIMOTION CONTROL

Thanks to the Simotion automation system, speed and position control of 4 different axes can be provided to the filling box, compaction head and the mold.

FAST MOLD CHANGE

NS-36/2 Concrete Block Machine is equipped with a rapid mold change system, which allows to re-adjust the machine for the production of a new product in a minimum time. Thanks to the mold changing trolley, the replacement process is made easily and quickly by a single staff, thus saving time and labor.

RECIPE CONTROL

An unlimited number of formulas related to machine parameters and raw material quantities are created for each product and mold produced, thereby preventing the user from wasting time on determining these parameters.

VPN REMOTE ACCESS PACKAGE

With VPN remote access package option, the access to the automation system is ensured. It provides information and reports back about the overall operation. In addition, in case of any malfunction, fault detection and software updates can be done by remote interference.



PRODUCTS SAMPLE



** The implemented concrete paver blocks are produced with Namtas Concrete Block Machine.*

TECHNICAL SPECIFICATIONS

Control	Automatic (PLC)
Pallet Size (mm)	1150 x 1500 / 1100 x 1400 (F)
Usable Area on Pallet (mm)	1050 x 1250
Maximum Block Height (mm)	500
Minimum Block Height (mm)	25
Frame Weight (kg)	25.000
Total Electric Motor Power (kW) NS-36/2-F	230
Total Electric Motor Power (kW) NS-36/2-A	115
Total Electric Motor Power (kW) NS-36/2-U	135
Total Electric Motor Power (kW) NS-36/2-R	175
Servo Motor Driven Vibration System kN	335

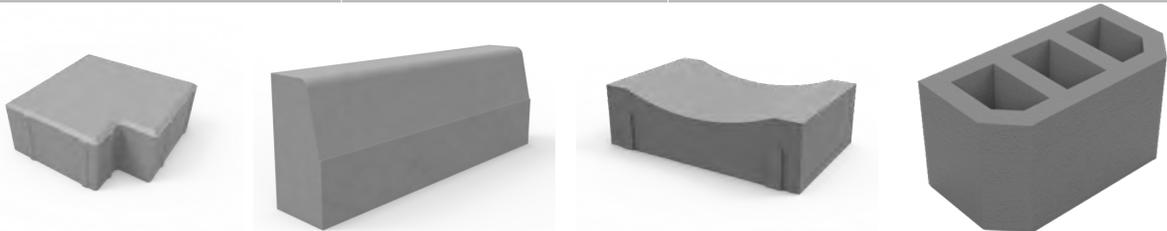
STANDARD EQUIPMENT

PLC Control System
Electric Motor Driven Frame Height and Length Adjustment Device
Hydraulically Driven Agitator Grid Inside the Base Concrete Filling Box
Computer Controlled Reporting and Failure Notice Feedback
Frame with Safety Barriers and Switches
Laser Controlled Mixture Level Sensor
Fast Mold Changing Device
Pneumatic Clamping System for Mould Change
On/Off Valves for Pressure Regulation in Hydraulic Mechanisms

OPTIONAL EQUIPMENT

Polystyrene Insert Feeding Unit
Multi Color Unit
Wash Beton Unit
Concrete Block Grouping Station
Pallet Oiling And Spraying Units
Block Surface Cleaning Brush
Omega Belt

PRODUCT	CAPACITY (8 HRS.)	STONE / MOLD
Paving Stone (163 x 198 x 80) mm	1500 m2	36 Pcs.
Hollow Block (200 x 400 x 200) mm	18000 Pcs.	12 Pcs.



* Technical specifications are based on standard equipment. Production capacity is a theoretical value. It may vary due to the type and quality of aggregates, mix design, operator skills, working conditions and environment.

** Namtas reserves the right to make changes in its equipment technical specifications if necessary.



Namtas Concrete Block Machines LLC.

Ankara Asfaltı 26. Km Kemalpaşa,

İzmir / TÜRKİYE

TEL: +90 232 878 13 59

FAX: +90 232 878 77 65

E-MAIL: info@namtas.com

www.namtas.com