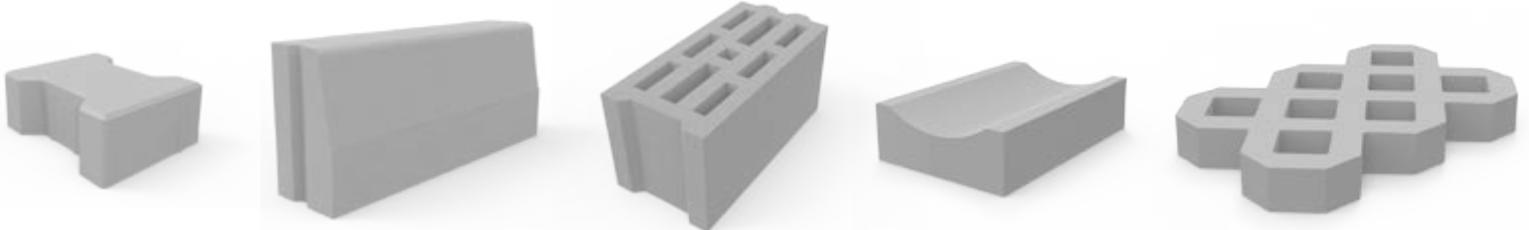




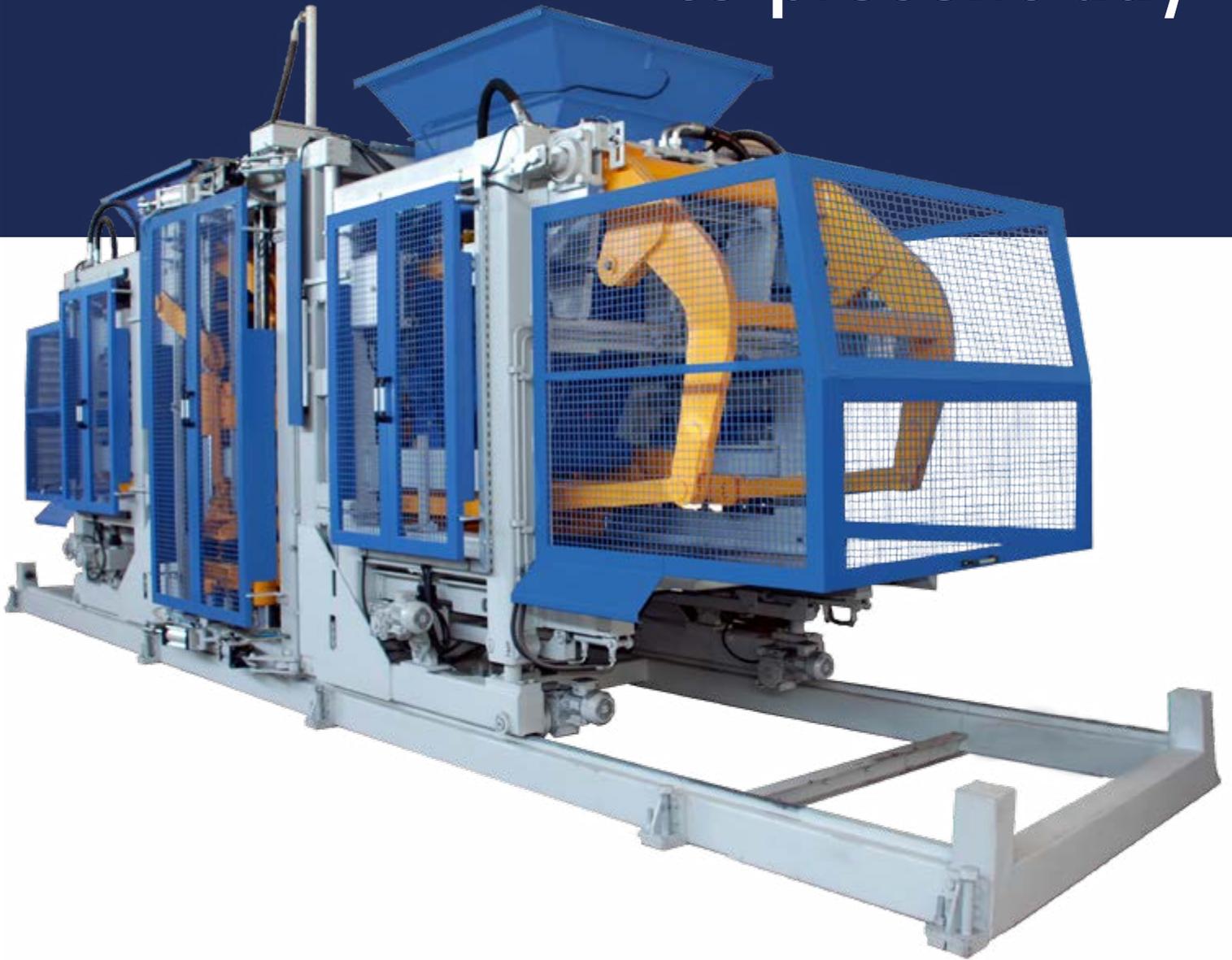
CONCRETE BLOCK MACHINES



from 1952



to present day





Namtaş Concrete Machines Ltd. Co. specializes in designing, manufacturing, commissioning and servicing equipment for concrete products industry, which includes automatic concrete products machines, product handling systems, moulds and special-purpose batching plants. Six decades of experience, constant quality control, fast technical support and R&D projects contribute to Namtaş's flawless reputation in Turkey and abroad.

pioneered in Turkey the production of semiautomatic concrete products manufacturing lines.

In the beginning of 1990s due to the growth in demand for concrete products machines, the company's headquarters and factory were relocated from Izmir's city centre to the suburban town of Kemalpaşa. In 2009 the company expanded its territory and modernized the factory, adding a brand-new assembly shop and an administrative building.

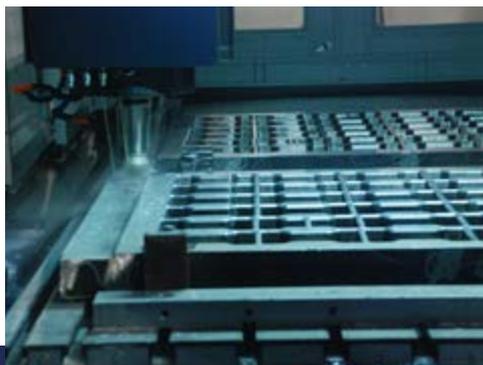
The history of Namtaş began in 1952 in a small workshop located in Alsancak, the central district of Izmir, Turkey, where Suleyman Onusluel, the future founder of the company, set up a production of compact manual concrete block machines. In the 1970s the company under the name of Namsuonel became the first in Turkey to develop and put into serial production concrete paver machines. In the late 1980s Namtaş

Today company's headquarters covers the area of 18.000 m² of which 12.000 m² is allocated to the production plant. Under the leadership of its co-founder and CEO Kemal Onuşluel, Namtaş constantly develops the production and increases exports, supplying its high-quality equipment to the customers in more than 20 countries.

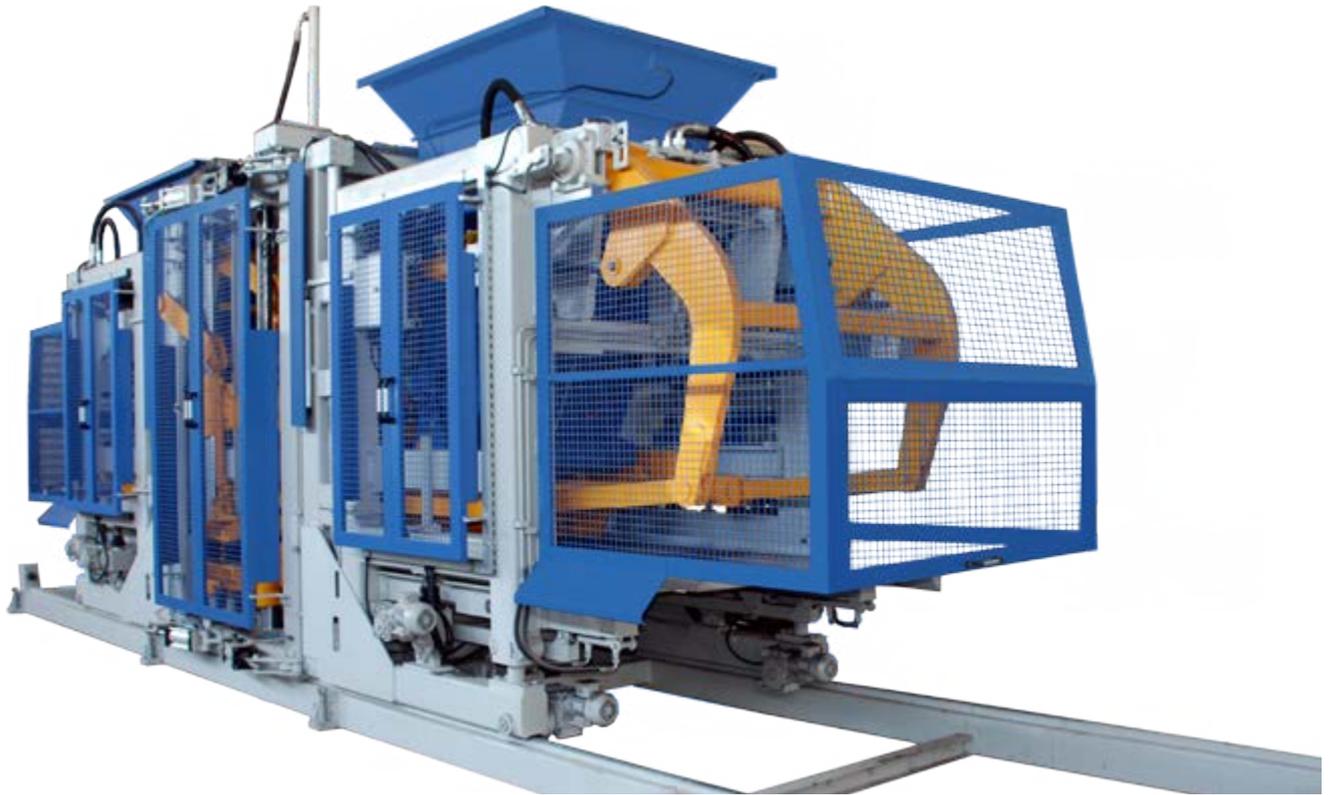




CONCRETE BLOCK MACHINES	4
NT42 / NT 36	4
NS36	8
NS30 / NS25 / NS20	10
HANDLING SYSTEMS	14
BATCHING PLANTS	20
Aggregate Systems	21
Concrete and Colour Batching Systems	22
Concrete Delivery Systems	23
Concrete Mixers	24
AUTOMATION SYSTEMS	25
CONCRETE BLOCK PRODUCTS MOULDS	26
PRODUCTION LINE	28
SERVICE AND TECHNICAL SUPPORTS	30



CONCRETE BLOCK MACHINES NT 42 / NT 36



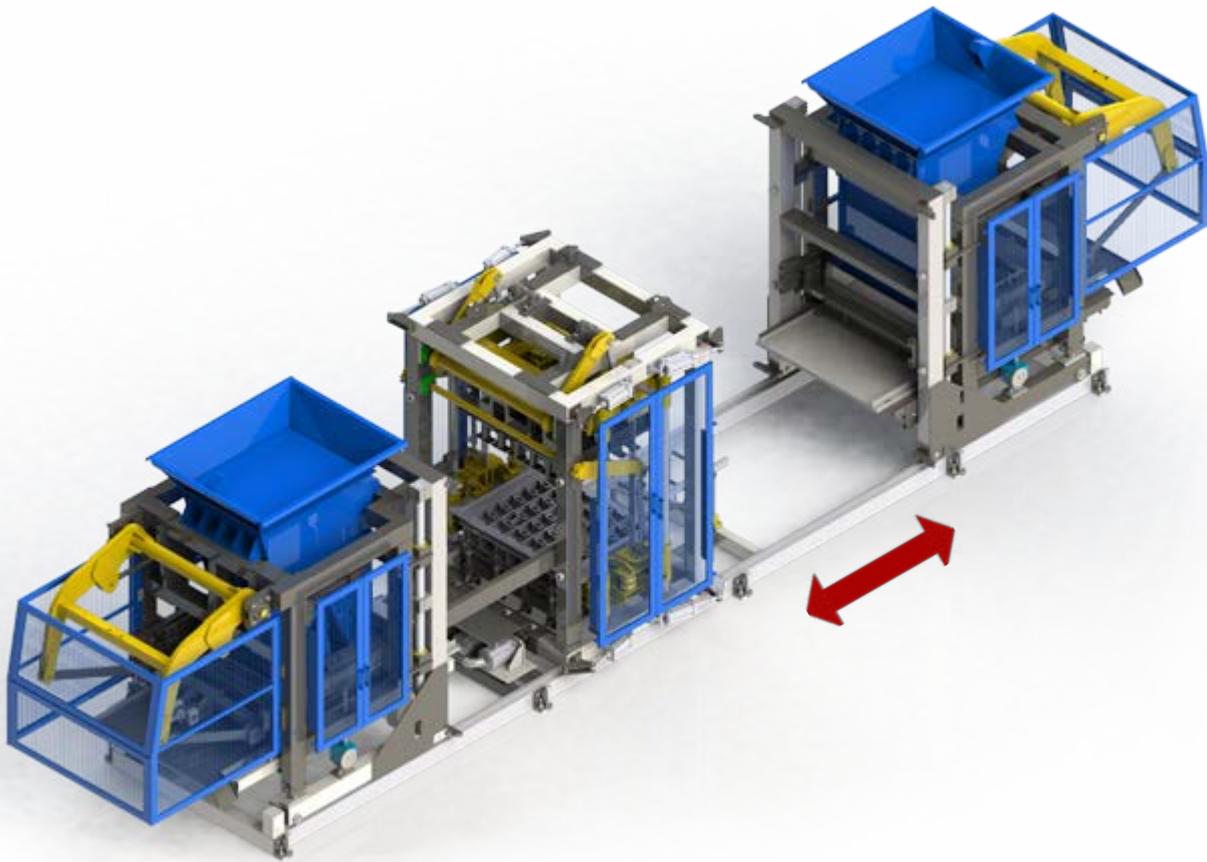
Combination of company's experience and modern technology is embodied in high-performance concrete products machines of NT series – NT-42 and NT-36. Launched into production in 2015 following years of research and tests, these machines represent the crowning achievement of long and laborious work of Namtaş's engineers. NT-42 and NT-36 are automatic multi-purpose concrete products machines, designed to manufacture a large variety of concrete products including pavers, masonry blocks, filler blocks, curbstones, rain gutters, hardscape elements, etc. from 60 to 500 mm in height.

Vibration system with servomotors creates consistent and even vertical vibration across the moulding area. Automatic control system allows to adjust frequency, power and amplitude of

pre-vibration and main vibration at any given moment without stopping the production. Therefore vibration can be perfectly matched to a particular product or mix design.

Sophisticated PLC-based automation system developed by Namtaş is responsible for a smooth and trouble-free production cycle, allowing to achieve the same quality and quantity of concrete products during every working shift. NT series machines are also equipped with remote control and service adapter, used by Namtaş technical support specialists in case of line's malfunction for system check or troubleshooting software issues.



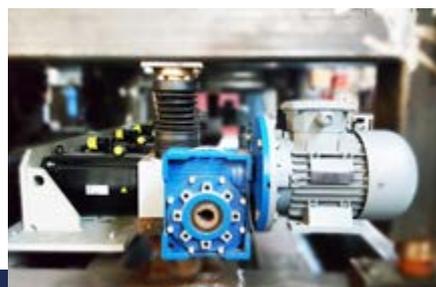


Heavy-duty welded machine frame is equipped with electric motor driven height and length adjustment devices. Both base and face concrete filling systems are connected to the machine's moulding unit via hydraulic clamps. This system reduces time and effort during mould change and maintenance works.



Mould and compaction head carriers are mounted on four chrome-plated guiding columns. These columns are supported by linear bearings, which stabilize the whole structure during production cycle. The mould is attached to the mould carrier via 4 airbags. The compaction head is fastened to the compaction head

carrier via 12 pneumatic clamps. This system not only helps to hold the mould firmly, but also prevents the transfer of vibration impulses from the vibration table to the main frame, eliminating the risk of premature wear of machine parts.



TECHNICAL SPECIFICATIONS	NT - 42	NT - 36
Control	Automatic (PLC)	Automatic (PLC)
Pallet Dimensions (mm)	1300 x 1400 (F) / 1350 x 1500 (A)	1100 x 1400 (F) / 1150 x 1500 (A)
Usable Area On Pallet (mm)	1250 x 1250	1050 x 1250
Maximum Block Height (mm)	500	500
Minimum Block Height (mm)	60	60
Frame Dimensions (W x L x H) (mm)	2400 x 10000 x 3900	2400 x 11000 x 3800
Frame Weight (kg)	29500	28300
Total Electric Motor Power (kW)	152.5	152.5

NT-42 / NT- 36 STANDARD EQUIPMENT	
PLC Control	Proportional Valve
Heavy-Duty Frame with Electric Motor Driven Length & Height Adjustment Device	Laser Controlled Material Level
Vibration Table With Variable Vibration	Fast Mold Change
Hydrolically Driven Agitator Grid	Pneumatic Mold Clamping System
Computer Controlled and Faillure Notice - Feedback	Frame With Safety Barriers

OPTIONAL EQUIPMENT	NT - 42	NT - 36
EPS Adding Unit	X	X
Product Washing Station	X	X
Fast Mold Change	X	X
Multicolor System	X	X

PRODUCTION CAPACITY	NT - 42		NT - 36	
	Stones Per Cycle, pcs	Production Capacity Per Shift (8 hours)	Stones Per Cycle, pcs	Production Capacity Per Shift (8 hours)
Behaton Paving Stone (163 x 198 x 80 mm)	42	1.750 m ²	36	1.500 m ²
Rectangular Paving Stone (98 x 198 x 80 mm)	66	1.950 m ²	54	1.600 m ²
Square Paving Stone (98 x 98 x 80 mm)	121	1.850 m ²	99	1.500 m ²
Curbstone (150 x 500 x 300 mm)	12	14.400	12	14.400
Hollow Block (190 x 390 x 190 mm)	18	24.000	12	18.000
Hollow Block (150 x 390 x 190 mm)	24	32.000	16	24.000
Hollow Block (100 x 390 x 190 mm)	33	44.000	22	33.000

CYCLE TIME	
NT- 42	15 - 20 sc
NT- 36	18 - 20 sc



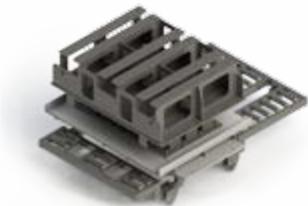
VIBRATION TAILORED TO THE PARTICULAR PRODUCT



NT series machine's vibration table is equipped with 4 synchronized servomotors. The vibration table is supported by high-strength rubber buffers to maintain an even vibration across the table. Fully automatic control system allows to adjust frequency, power and amplitude of pre-vibration and main vibration at any given moment without

stopping the production. Therefore vibration can be perfectly matched to a particular product or mix design, which results in faster moulding cycles, increased production capacity and better quality of stones. All parameters are saved in the database and can be easily retrieved.

MORE PRODUCE IN LESS TIME



Mould change in NT series concrete products machines is achieved via special trolley, which allows to switch moulds and readjust the machine for the manufacturing of a new type of product in minimum amount of time with minimal effort.

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.

EASY-TO-USE CONTROL PANEL



Production process is controlled by one operator via control panel equipped with a LCD touchscreen, which displays all parts of the system in individual pictures. Upon touching the chosen unit the menu appears showing current operating mode and preset parameters. The parameters can be changed in real-time without stopping the production. The software has user-friendly interface while all information is written in customer's preferred language.





Being the best-selling model among all Nantaş concrete products machines NS-36 combines durable and reliable design with high throughput and best price/performance ratio. These features contribute to the fast recouping of the capital invested in the machine. Equipped with fast mould changing device, NS-36 is capable of manufacturing a large variety of concrete products, such as paving stones, solid and hollow concrete blocks, filler blocks, curbstones, concrete gutters and hardscape units from 60 to 500 mm in height.

The machine features the state-of-the-art PLC-based automation system developed by Nantaş, which is responsible for the

smooth and trouble-free production cycle, allowing to achieve the same quality and quantity of concrete products during every working shift. Concrete products machine's settings for each product are stored in system's memory; the machine is automatically recalibrates itself after mould change. NS-36 is fit with remote control and service adapter used by Nantaş technical support specialists In case of line's malfunction for system check or updating the software.





STANDARD EQUIPMENT

- PLC - Based Control System
- Computer Controlled and Failure Notice - Feedback
- Vibration Table With Variable Vibration
- Frame With Safety Barriers
- Heavy-Duty Frame with Electric Motor Driven Length Adjustment Device
- ON / OFF Valve
- Laser Controlled Material Level
- Pneumatic Mold Clamping System
- Hydraulically Driven Agitator Grid

OPTIONAL EQUIPMENT

- EPS Adding Unit
- Product Washing Station
- Fast Mold Change
- Multicolor System





Automatic single-layer medium-pallet concrete products machines NS-30, NS-25 and NS-20 are reliable time-proven machines designed specifically for those investors and entrepreneurs, who want to start the production of different types of high-quality concrete masonry and hardscape units with minimum financial input. These machines can manufacture pavers, curbstones, hollow and solid concrete blocks (including lightweight and insulated type), rain gutters, filler blocks etc. from 60 to 300 mm in height.

for the smooth and trouble-free production cycle, allowing to achieve the same quality and quantity of concrete products during every working shift. These machines are also equipped with remote control and service adapter. When the plant is provided with internet connection, this adapter allows to monitor production process from any place in the world with internet access. In case of equipment's malfunction Namtas technical department use this adapter for system check or troubleshooting software issues.

NS series machines feature the state-of-the-art PLC-based automation system developed by Namtas, which is responsible





STANDARD EQUIPMENT

PLC - Based Control System
Computer Controlled and Faillure Notice - Feedback
Heavy-Duty and
Güvenlik Kapakları ile Donatılmış Gövde

OPTIONAL EQUIPMENT

	NS 30	NS 25	NS 20
EPS Adding Unit		X	
Product Washing Station	X	X	X

TECHNICAL FEATURES OF CONCRETE BLOCK MACHINES



TECHNICAL SPECIFICATIONS	NT 42	NT 36	NS 36	NS 30	NS 25	NS 20
Control	Automatic (PLC)	Automatic (PLC)	Automatic (PLC)	Automatic (PLC)	Automatic (PLC)	Automatic (PLC)
Pallet Dimensions (mm)	1300 x 1400 (F) 1350 x 1500 (A)	1100 x 1400 (F) 1150 x 1500 (A)	1150 x 1500	1150 x 1350	950 x 1350	950 x 1200
Usable Area On Pallet (mm)	1250 x 1250	1050 x 1250	1050 x 1300	1050 x 1100	850 x 1100	850 x 900
Maximum Block Height (mm)	500	500	500	300	250	200
Minimum Block Height (mm)	60	60	60	60	60	60
Frame Dimensions (W x L x H) (mm)	2400 x 10000 x 3900	2400 x 11000 x 3800	2500 x 8900 x 3600	2400 x 7200 x 3200	2400 x 7000 x 3300	2250 x 5300 x 2830
Frame Weight (kg)	29500	28300	17500	14600	13500	8500
Total Electric Motor Power (kW)	152.5	152.5	138.6	87	87	78.7

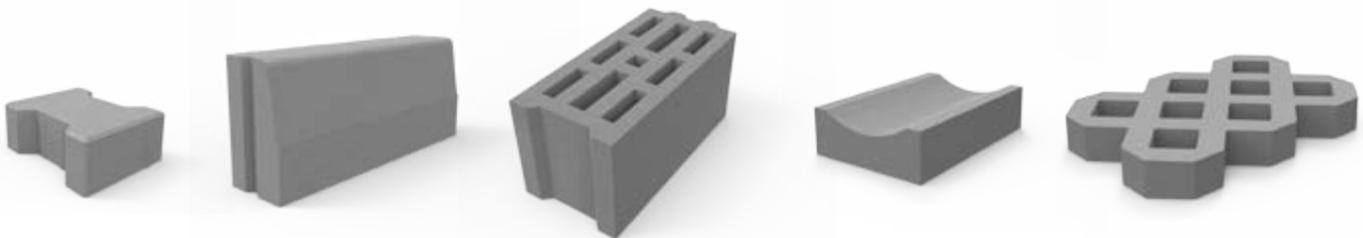
PRODUCTION CAPACITY	NT 42	NT 36	NS 36	NS 30	NS 25	NS 20
Behaton Paving Stone (163 x 198 x 80 mm)	42 pcs	36 pcs	36 pcs	30 pcs	25 pcs	20 pcs
Rectangular Paving Stone (98 x 198 x 80 mm)	66 pcs	54 pcs	54 pcs	45 pcs	36 pcs	32 pcs
Square Paving Stone (98 x 98 x 80 mm)	121 pcs	99 pcs	99 pcs	75 pcs	70 pcs	64 pcs
Curbstone (150 x 500 x 300 mm)	12 pcs	12 pcs	12 pcs	12 pcs	4 pcs	2 pcs
Hollow Block (190 x 390 x 190 mm)	18 pcs	12 pcs	12 pcs	10 pcs	10 pcs	8 pcs
Hollow Block (150 x 390 x 190 mm)	24 pcs	16 pcs	16 pcs	12 pcs	12 pcs	10 pcs
Hollow Block (100 x 390 x 190 mm)	33 pcs	22 pcs	22 pcs	18 pcs	20 pcs	14 pcs
Behaton Paving Stone (163 x 198 x 80 mm)	1.750 m ²	1.500 m ²	1200 m ²	940 m ²	700 m ²	550 m ²
Rectangular Paving Stone (98 x 198 x 80 mm)	1.950 m ²	1.600 m ²	1.300 m ²	985 m ²	800 m ²	640 m ²
Square Paving Stone (98 x 98 x 80 mm)	1.850 m ²	1.500 m ²	1.200 m ²	1.100 m ²	700 m ²	640 m ²
Curbstone (150 x 500 x 300 mm)	14.400 pcs	14.400 pcs	12.000 pcs	10.000 pcs	8.000 pcs	4.000 pcs
Hollow Block (190 x 390 x 190 mm)	24.000 pcs	18.000 pcs	14.400 pcs	11.520 pcs	10.000 pcs	8.000 pcs
Hollow Block (150 x 390 x 190 mm)	32.000 pcs	24.000 pcs	19.200 pcs	13824 pcs	12.000 pcs	10.000 pcs
Hollow Block (100 x 390 x 190 mm)	44.000 pcs	33.000 pcs	26.400 pcs	20736 pcs	20.000 pcs	14.000 pcs

Technical specification datasheets were arranged according to the standard equipment. They may be varied depending on the customer needs, field and montage. Namtaş have the rights of changing the technical specifications, if necessary.

PROJECT-BASED SOLUTIONS FOR CONCRETE PRODUCTS INDUSTRY



CONCRETE BLOCK MACHINES



- Customized Solutions, Individual Approach
- Time-Proven Equipment Built to Operate in Any Conditions
- Same Product Quality and Quantity in Every Working Shift





PRODUCT HANDLING SYSTEMS

- Cuber
- Frame Conveyor with I-Profiles
- Elevator
- Lowerator
- Lightweight Concrete Block Grouping Station
- Belt Conveyor
- Pallet Turning Device

The desired consistent throughput of a concrete products machine can be achieved exclusively by installing reliable product handling equipment. Namtas designs and supplies all

kinds of product handling solutions necessary for the creation of a smooth uninterrupted production cycle in accordance with customer's demands and operating conditions.



ADVANTAGES OF NAMTAS PRODUCT HANDLING SYSTEMS

- Careful design and efficient arrangement of all units, which allows to use customer's production area in the most convenient and serviceable way
- Cost reduction by decreasing manual labour in the manufacturing process
- Increased job safety through the high level of equipment's automation
- Non-stop trouble-free production cycle due to a smooth and harmonious operation of all system's units and their full synchronization with each other
- Increased lifespan of production pallets
- Stationary rack system, developed by Namtas in collaboration with The Scientific and Technological Research Council of Turkey, has smart and efficient design allowing to minimize stock area while increasing the number of stored products by 15% (TUBİTAK project # 7110846)





Namtas offers its customers 3 types of product transport and stacking systems:

- Finger Car
- Transportable Racks
- Legged Pallets



Finger Car

In fully automatic concrete products manufacturing lines the transfer of pallets with wet products to the curing chambers and the transfer of pallets with dry products to the cubing station are carried out by automatic pallet transport system known as finger car. Namtas manufactures 3 types of finger car, depending on the desired production capacity of the plant: with 20 one-pallet, 14 two-pallet and 12 one-pallet compartments each.





Frame Conveyor With I-Profiles

This reinforced type of a slat conveyor is used in combination with automatic polypropylene band strapping machine, which requires a certain space between slats for vertical strapping. This conveyor can also be used during pallet-free

packing, when products are cubed directly on top of the conveyor. The length of the conveyor depends on a project.

Belt Conveyor

This conveyor is used for fast and smooth transferring of pallets with wet products from concrete products machine to the elevator. Its length depends on a project.





Pallet Turning Device - Walking Beam Conveyor

This unit, installed on the dry side of the line after cubing station, automatically turns empty production pallets 180 degrees. Thus both sides of a pallet are used alternately, which increases its durability. Pallet turning device is integrated in the concrete products manufacturing line with plane or I-legged

production pallet system. Walking beam conveyor that is hydraulically driven, is used for transferring of pallets to the moulding area, from lowerator to the cubing station and, in fully automatic line, from concrete products machine to the elevator.

Elevator

Automatic elevator stacks pallets with wet products one on top of the other. It can have from 5 to 20 compartments according to the product and the type of concrete products manufacturing line. The space between compartments is adjusted automatically.

Lowerator

Automatic lowerator unloads the stack of pallets with cured (dry) products. It can have from 5 to 20 compartments according to the product and the type of manufacturing line. The space between compartments is adjusted automatically.



Concrete Block and Production Pallet Brushes

Electric motor driven polyamide brushes are used for removing concrete excess from the upper surface of concrete blocks and for cleaning empty production pallets between production cycles.

Pallet Oiling and Spraying Units

According to the type of a production pallet – wooden or steel – concrete products manufacturing line is equipped with water spraying or oil sprinkling device, respectively. Water or oil treatment helps to increase pallets' lifespan.



Lightweight Concrete Block Grouping Station

This system is used for pallet-free cubing of lightweight solid and hollow concrete blocks (pumice blocks, LECA blocks, etc.), which requires the presence of two through holes in the last but one

row from the bottom of the stack for forklift clamp. Block grouping station transfers cured products from production pallet to the cubing station, while special blade separates the blocks.



Cuber

Hydraulic gantry type cuber transfers the cured products from the production pallet to the transport pallet or directly on slat or frame conveyor. Cuber's four-

sided hydraulic clamp is suitable for all types of products and can rotate 90, 180 or 270 degrees in order to stack single layers of products one on top of the other.



BATCHING PLANTS

- Aggregate Systems
- Cement and Colour Batching Systems
- Concrete Delivery Systems
- Concrete Mixers

Namtas fully automatic batching plants are reliable and time-proven pieces of engineering being able to perform at their best in any conditions. They are designed specifically for preparation of no-slump concrete mix (dry-mix concrete), which is required

for the manufacturing of high-quality concrete products. Namtas batching plants can be installed together with Namtas concrete products machines, or integrated into already functioning concrete products manufacturing line.

AGGREGATE SYSTEMS

This system combines together aggregate bins with aggregate dosing and conveying solutions in a single robust steel frame structure. Namtas manufactures modular aggregate bins with the capacity of 5-25 m³ each used for the storage of different types and sizes of aggregates. Aggregates are weighed automatically on the weigh belt conveyor or with the help of travelling weigh hopper. Fast and accurate batching is achieved by using high-precision load-cells.



		BT 425	BT 410	BT 325	BT 225
Aggregate Bins	Numer of Bins, pcs	4	4	3	2
	Bin Capacity (m ³)	25	10	25	25
	Total Capacity (m ³)	100	40	75	50
	Width (mm)	2.350 - 4.000	2.350	2350 - 4.000	2.350 - 4.000
	Length (mm)	16.000	12.000	12.000	8.000
	Height (mm)	4.500	4.000	4.500	4.500
Load Cells	qty x load, kg	6 x 2.000	4 x 2.000	4 x 2.000	4 x 2.000
Weigh Belt	Width (mm)	1.000	1.000	1.000	1.000
	Length (mm)	16.500	12.500	12.500	8.500
	Height (mm)	800	800	800	800
	Power (kW)	11	7,5	7,5	5,5
Total Weight (kg)					
		13.000	8.500	9.000	7.000





CEMENT and COLOUR BATCHING SYSTEMS

Cement storage and batching system includes cement silos, cement screw conveyors and cement scales, as well as necessary electronic and pneumatic units, designed and adjusted for the best possible handling of cement. Cement silos, used in Namtas batching plants, can have a capacity from 30 to 100 tons. The amount of cement, selected by an operator, is transferred from the cement silo via cement screw conveyor to the cement weigh batcher equipped with load cells. Thanks to this system cement is transferred to the

concrete mixer fast and accurately. Colour batching system includes weigh batcher and Multicolor system. Weigh batcher is used for adding powder pigment to the concrete mix. The quantity of batchers depends on customer's requirements. Multicolor is a sophisticated colour mixing system, which is installed directly above concrete products machine's face concrete filling unit and is used for adding the desired amount and quantity of pigments to the face-mix concrete.





CONCRETE DELIVERY SYSTEMS

Concrete mix can be transported to a concrete products machine's hoppers by travelling bucket or conveyor belt. Concrete delivery travelling bucket system consists of a high durable welded steel frame and a steel bucket, which travels along the guiding rails mounted on the top of the frame. The discharge of concrete mix is done via bucket's bottom discharge gate. This system also makes it possible to feed two concrete products machines at the same time. As an alternative to the travelling bucket system Namtas offers its customers conveyor belt system for fast and efficient concrete delivery.



CONCRETE MIXERS

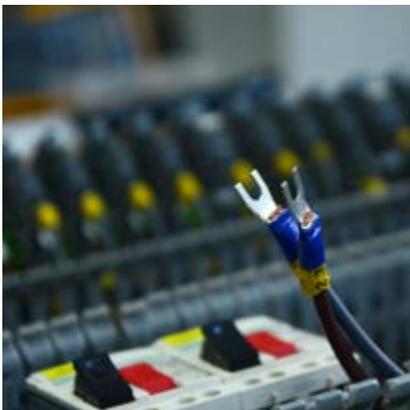
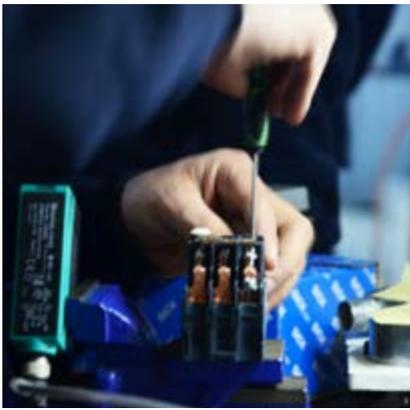
- Planetary
- Twin-shaft
- Single-shaft

Namtas offers its customers a wide choice of planetary, twin-shaft and single-shaft concrete mixers of different capacity, which are designed specifically for the fast and homogeneous production of a no-slump concrete. Depending on a

layout and type of a concrete products machine concrete mixing unit is mounted directly above machine's hopper or installed nearby on a special platform.



	MS 500 / 330	MS 750 / 500	MT 1500 / 1000	MP 750 / 500	MP 1500 / 1000	MP 2250 / 1500
Type	Single Shaft	Single Shaft	Twin Shaft	Planetary	Planetary	Planetary
Input (lt)	500	750	1.500	750	1.500	2.250
Output (lt)	330	500	1.000	500	1.000	1.500
Production Capacity Per Shift (Behaton Paving Stone - 163 x 198 x 80 mm, m ² / 8 hours)	600 m ²	970 m ²	1.950 m ²	970 m ²	1.950 m ²	2.930 m ²
Production Capacity Per Shift (Hollow Block - 190 x 390 x 190 mm, Pcs / 8 hours)	5.700	8.800	17.600	8.800	17.600	26.400
Production Capacity Per Shift (Curbstone - 150 X 500 X 300 mm, Pcs / 8 hours)	2.200	3.380	6.790	3.380	6.790	10.150
Motor Power (kW)	15	22	2 x 22	22	37	55



Flawlessness Starts In The Brain

Automation systems for Namtas concrete products manufacturing lines and batching plants are based on industrial PLC (programmable logic controller). PLC control system software, developed by Namtas electronic engineers, is customized according to an application.

Automation system is the brain of a concrete products manufacturing line, responsible for smooth and trouble-free production cycle. It allows to achieve the same quality and quantity of concrete products during every working shift. Batching plant automation system makes it possible to obtain high-quality homogeneous concrete mix in every batch with the function of creating and keeping the database of mix designs.

The whole production process is controlled by one operator via sophisticated control panel equipped with a LCD touchscreen, which displays all parts of the system in individual pictures. Upon touching the chosen unit the menu appears showing current operating mode and preset parameters, which can be changed in real-time without stopping the production. The software has user-friendly interface, all information is written in customer's preferred language.

Operator can switch from automatic to manual mode and take control over different units of the manufacturing line, using joysticks and buttons on the control panel.

Automation system features data collection and archiving functions. Detailed data on hourly, daily, weekly, monthly and annual production is stored in the system. This data is displayed on the control panel screen upon operator's request and can be printed at any time.

Concrete products manufacturing line can be easily connected to the industrial Ethernet network at customer's facility, making it possible to control the production process from the screen of any desktop or laptop computer connected to this network.

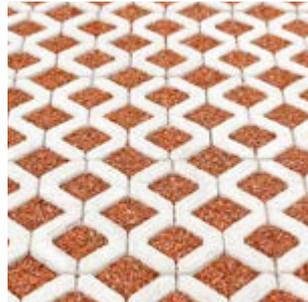
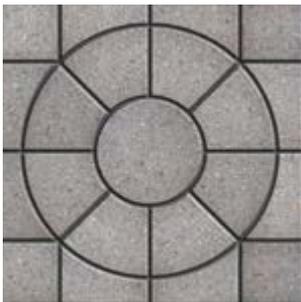
Besides, all Namtas concrete products manufacturing lines are equipped with remote control and service adapter. When the plant is provided with internet connection, this adapter allows to monitor production process from any place in the world with internet access. In case of line's malfunction Namtas technical support department specialists use this function to establish a connection with the machine or batching plant, advise customer's staff, troubleshoot software issues or update the system.



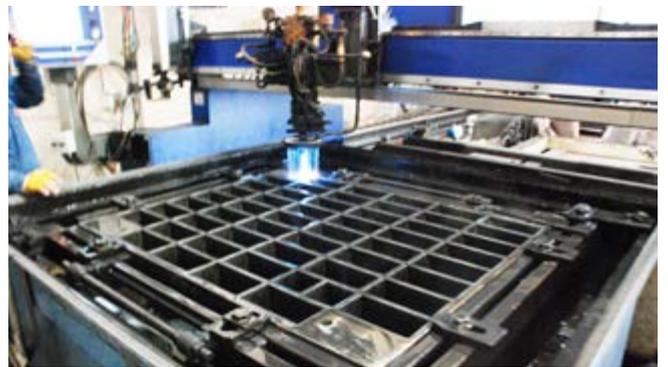


Mould is responsible for giving concrete mix the desired shape. It consists of two parts – mould box and compaction head. Namtas has a separate well-equipped department responsible for the design and production of a wide range of high-

strength durable moulds for all kinds of concrete products. Thanks to the well-organized production line, top-notch equipment and constant quality control Namtas moulds easily withstand heavy workload and have long lifespan.



ART OF STEEL PROCESSING



SMART SOLUTION FOR YOUR CONCRETE PRODUCTS PLANT



CONCRETE PRODUCTS MOULDS

CONCRETE PRODUCTS MANUFACTURING LINES

Namtas specializes in designing, manufacturing, commissioning and servicing automatic concrete products manufacturing lines which consist of concrete products machine, product handling systems and batching plant, suitable for the preparation of a no-slump concrete mix. Production lines are custom-made; their parts and units are tailored

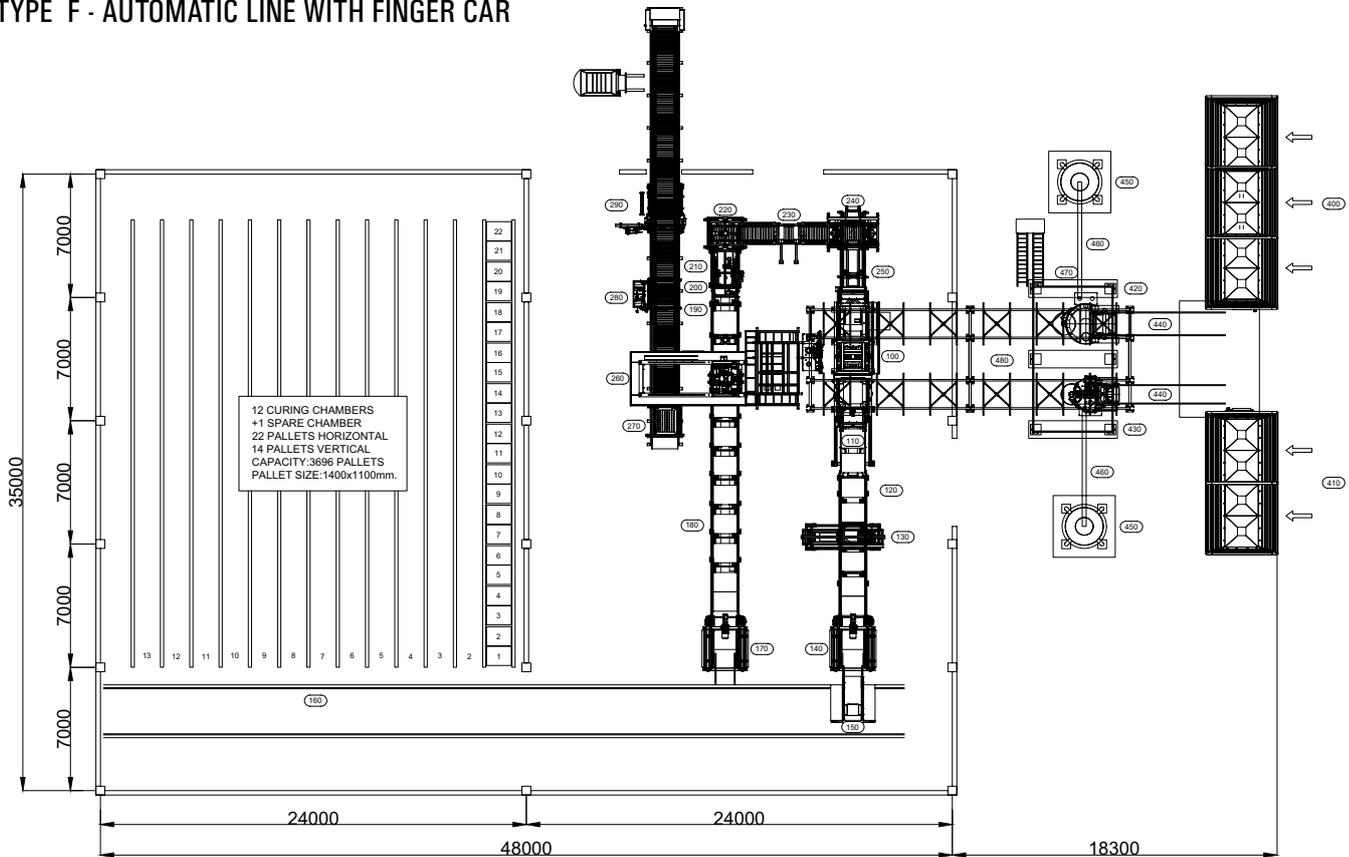
specifically to a particular project, after taking into consideration operating and environment conditions, as well as customer's demands. The equipment is fit with all necessary safety barriers, switches and doors. Upon disturbing or opening them the whole complex automatically stops while power is cut off immediately.

There are 3 types of Namtas concrete products manufacturing lines:

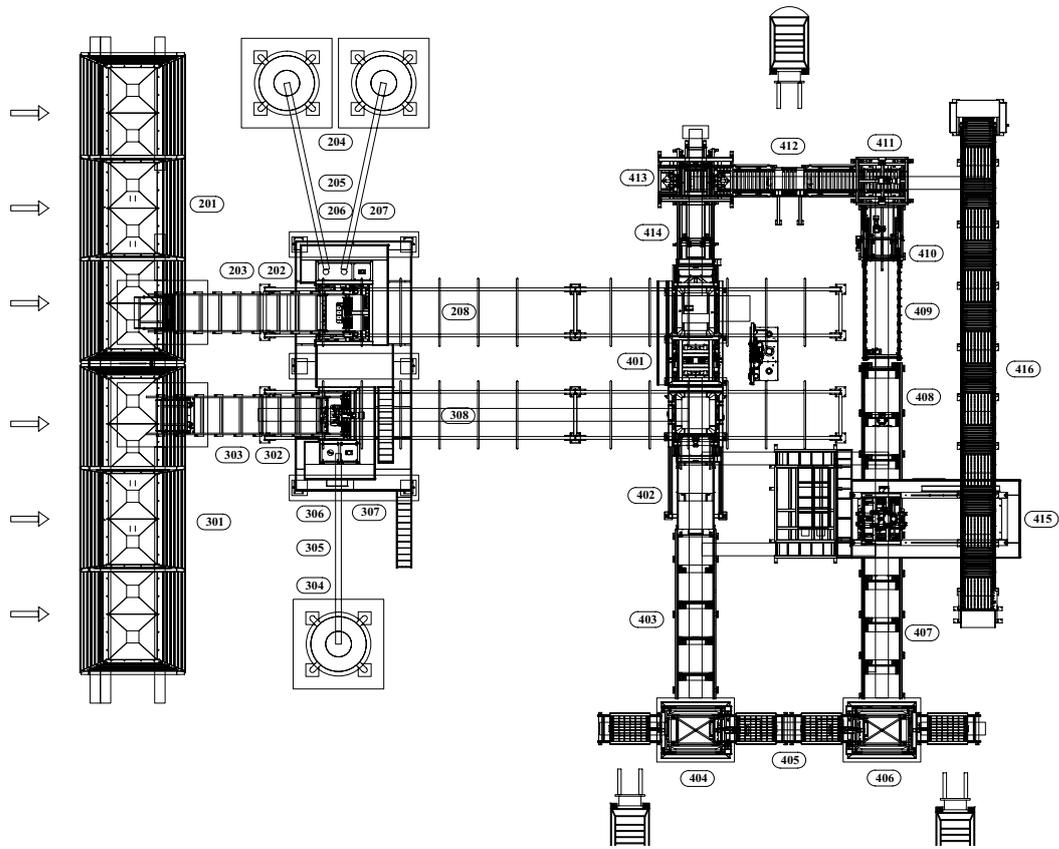
1. Type F – automatic line with finger car
2. Type R – semiautomatic line with transportable racks
3. Type A – semiautomatic line with legged pallet system

	TIP - F	TIP - R	TIP - A
Automation Level	Fully Automatic	Semiautomatic	Semiautomatic
Pallet Dimensions, mm	1300 x 1400 / 1100 x 1400	1100 x 1400	1150 x 1500 / 1150 x 1350 / 950 x 1350 / 950 x 1200
Pallet Type	Plane	Plane	Legged
Pallet Transfer to Curing Chambers	Finger Car	Beam Crane / Forklift	Forklift
Minimum Production Area (Without Curing Chambers)	870 m ²	870 m ²	430 m ²

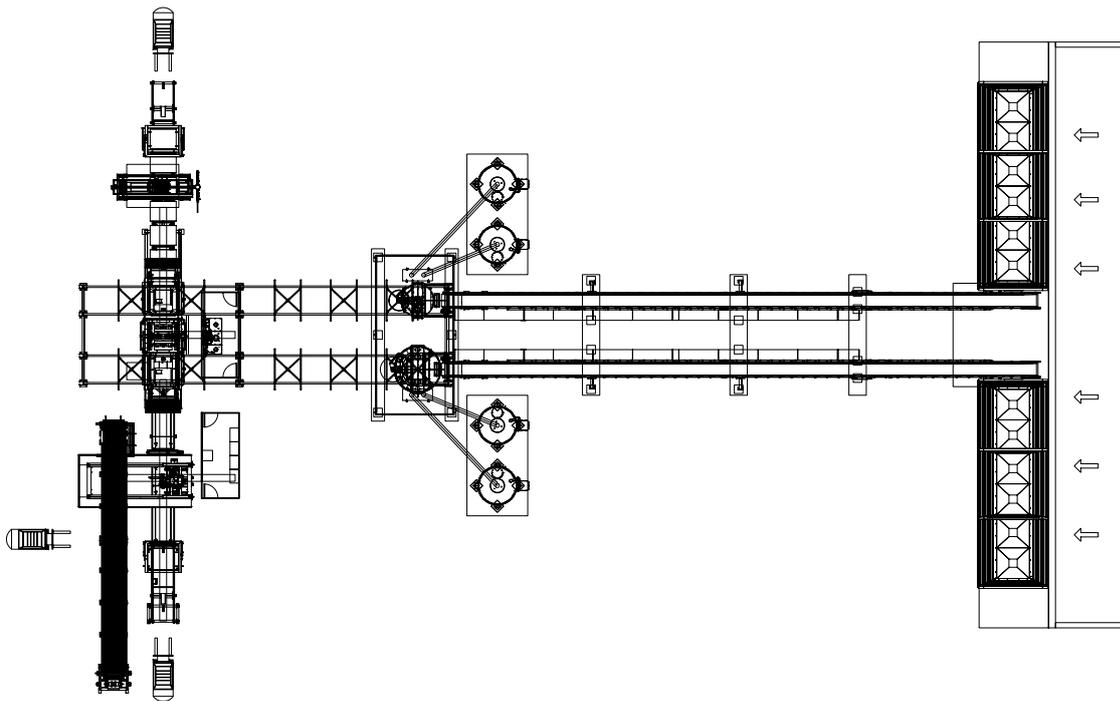
TYPE F - AUTOMATIC LINE WITH FINGER CAR



TYPE R - SEMIAUTOMATIC LINE WITH TRANSPORTABLE RACKS



TYPE A - SEMIAUTOMATIC LINE WITH LEGGED PALLET SYSTEM





Namtas offers its customers full package of services regarding concrete products manufacturing technology: consultations and technical audit, engineering, manufacturing and commissioning of equipment, personnel training, warranty and post-warranty services. In addition to supplying and servicing its own equipment company's staff can also provide services and assistance to those customers, who operate concrete products machines made by other manufacturers.

After receiving a plan of equipment installation site Namtas's engineers prepare a layout plan of manufacturing line's arrangement and submit it to the customer. Technical audit can be carried out at customer's site if necessary. Project documentation, technical audit, equipment's installation and

commissioning, as well as customer's staff training services provided by Namtas are free of charge.

Fast and quality service is what distinguishes Namtas from other manufacturers of similar equipment. In case of a serious malfunction that forces an operator to stop the production, company's technical personnel arrives to the customer as soon as possible, reducing downtime to minimum (given there are regular flights and visa-free regime between Turkey and customer's country).

Namtas guarantees the presence of all necessary spare parts in stock at company's factory. A set of high-wear parts is provided for free upon purchasing any concrete products machine or batching plant.









Industry-Leading Technology



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