

*in the
name of
Allah*





About Sepahan machine company

Sepahan machine company (private equity)

Since ۲۰۰۸)۱۳۸۷) Thanks to the right and management of Mazroei brothers with the slogan of expertise, experience and honesty, in the field of desing and constructing industrial machinery serves to dear customers. This company is proud to benefit from up-to-date knowledge and experience,

By creative and experienced managers Like Engineer Mehdi Mazrouei, (ranked ۱۹th in ۱۳۹۰ in the field of manufacturing) was able to take an effective step towards our beloved country.

۱. Obtaining certification ISO ۹۰۰۱-۲۰۱۸

(Quality management system), from UK international oxford institute

۲. Obtaining cartification ISO ۱۰۰۰۴-۲۰۱۸

(Customer satisfaction), from UK international oxford institute

۳. Obtaining CE certification (Compliance of products with modern European standards) from UK international oxford institute

۴. Localization and setting up of fully automatic fixed lines for production of concrete parts for the first time in country with PLC and unique control system.

۵. The first and only manufacurer of fully automatic SMV۰۰- mobile machine with the ability to produce different cocrete parts from ۴ to ۶۰ cm height.

۶ .۶. Satisfaction and continued cooperation of domestic and foreign buyers and warranty on products from ۱۸ months to ۷ years and commitment to do warranty and services is the reason for the high quality of products and successful servicing to dear customers.

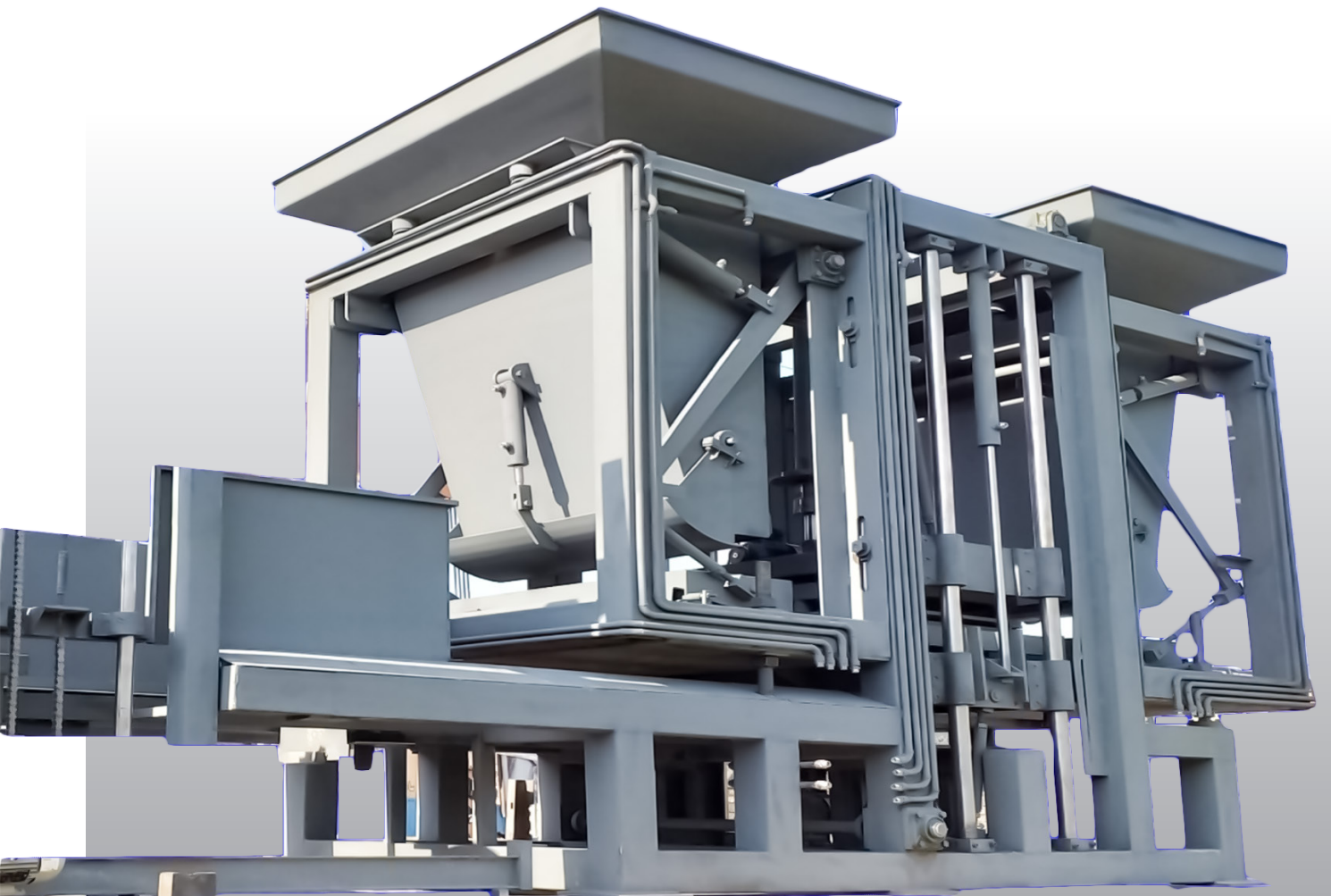
Management and personnel of Sepahan machine company knows reasons mentioned including customer satisfaction like an honorary clown whiche is the result of your trust dear ones, so We are committed and bound to appreciate your trust, dear masters and as in the past, we did not return from the path of gaining the trust and satisfaction of customers and to take stronger and stronger steps than before in the direction of the goals and categories of globalization and quality improvement.

Fixed machine for producing concrete pieces SM-575

It is the most advanced and updated automatic machine for producing types of concrete pieces. This machine is designed and produced by using today's knowledge and global standards. Machine function mechanism is such that occupies minimum space for production and without need to mass production concrete band, high- strength and quality products are produced by great strength vibrations and great hydraulic press with high speed on the metal or wooden pallets with movement capability, and then are transferred to processing place.

Machine SM-575 has been designed so that can work independently or with side machines in the form of a complete line of concrete pieces in three modes,

- 1 - automatic (without need to operator),
- 2 - semi-automatic (a part by operator and an automatic part),
- 3 - manual (with operator's control), with mold of various concrete blocks and concrete street curbs and floors, and has PLC command system by touch screen HMI with capability of regulating vibration action in any time and smart troubleshooter system and also warning system.



Products:

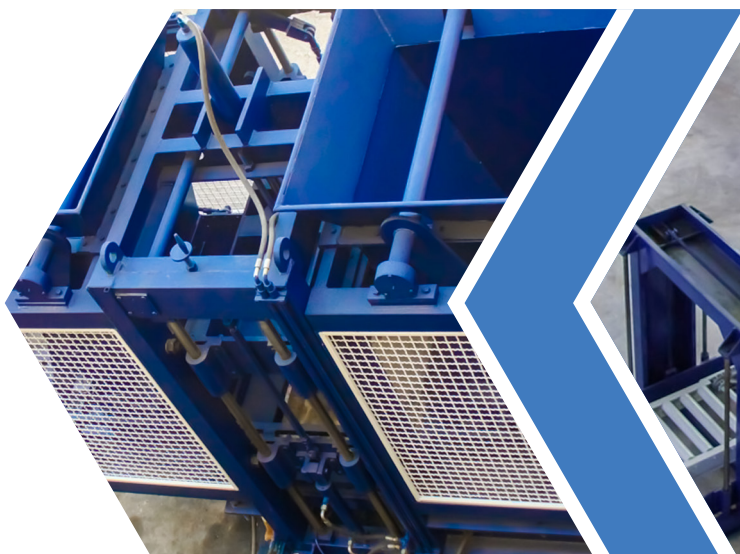
From specifications of machine SM-575, is capability of producing types of concrete curbs and floors with colorful layers.

- types of concrete blocks with at least 19 mm thickness of wall
- types of street curbs (simple, canico, refuge)
- types of concrete floors with at least 5 cm thickness
- types of brick and concrete tile with height up to 35 cm
- types of well concrete cool with height up to 35 cm

Dimensions of machine SM-575 is 132*103*26 cm and in each stage can produce 12 blocks with dimensions of 20*59*20 cm and number of other concrete pieces are determined proportionally.

Specifications:

- 7450 kg weight
- dimensions of 225*240*210 cm
- power 380 V / 3 phases / 50 – 60 Hertz
- capability of production on wooden or metal pallets with pillars and dimensions of 110*140 cm
- equipped with 6 high-strength vibrators with capability of regulating severity of vibrations for quick load of mold and product density that each works by a separate electromotor (2 under mold table, 2 on the press ramrod, 2 to body of block mold coil)
- equipped with 2 feed silos with specific valve to load mold filler that works by automatic hydraulic jack.
- mold paddle filler equipped with movable rake for automatic quick load of mold
- hydraulic system with oil tank in 600-liter capacity with oil cooler from type of cool water and hydraulic unit equipped with solenoid valve, each with pressure breaker and performance monitor of each jack with pressure gauge for controlling all hydraulic jacks of machine.
- hydraulic system with separate piston pump that controls press and density of product by power of 15000 kg.
- movable rail for transferring product pallet after exit from machine.
- command table with operator's place with capability of regulation for operator's complete vision and control, electricity board equipped with PLC command and HMI touch screen with several pages for settings and controlling machine with complete explanations and displaying performance of each part...
- warning and troubleshooter system with announcing defective place



Fixed machine for producing concrete pieces SM-555

A completely equipped and updated machine for producing types of pre-constructed concrete pieces that has been designed and manufactured according to standards and using today knowledge and experience of skillful engineers and designers. This machine is used for producing types of pre-constructed concrete pieces with high strength and quality while it is fixed and occupies minimum space and doesn't need concrete band. Machine SM-555, according to customer's investment bound, has capability of design and construction in two status of handling and automatic or semi-automatic control without change in product quality.

Machine SM-555, beside other machines and related robots can be an ideal and updated production line to produce types of pre-constructed concrete pieces with mass production and great quality.

Services:

18-month warranty after sales, installation and start and function training in customer's factory place, lifetime support

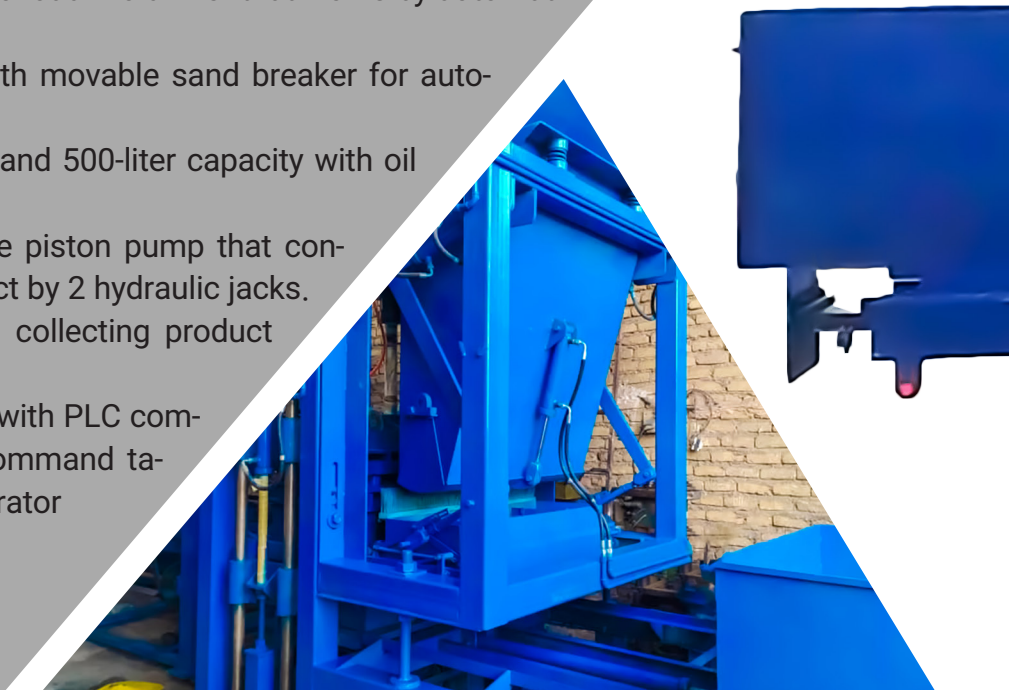
Products:

Machine SM-555 with possibility of changing mold, can also produce following products:

- types of concrete blocks with at least 20 mm thickness of wall
- types of street curbs (simple, canico, refuge) as flat
- concrete floors with at least 4 cm thickness
- types of flower box and concrete tile with height up to 35 cm

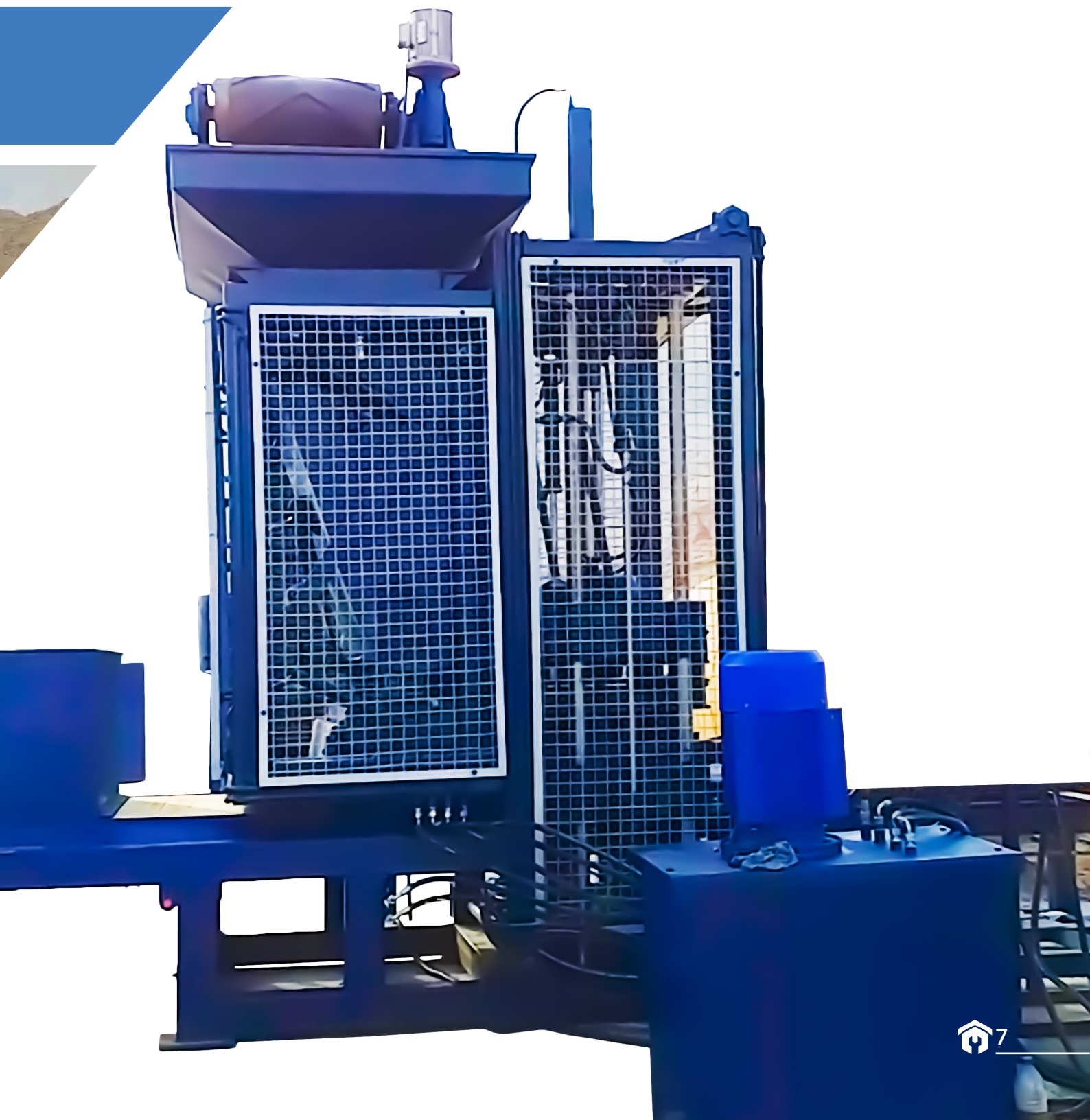
Common specifications:

- power 380 V / 3 phases / 50 – 60 Hertz
- 6 high-strength vibrators with capability of regulating severity of vibrations for quick load of mold and product density that each works by a separate electromotor (2 under mold table, 2 on the press ramrod, 2 to body of block mold coil)
- feed silo with discharge valve to load mold filler that works by automatic hydraulic jack.
- mold paddle filler equipped with movable sand breaker for automatic quick load of mold
- hydraulic system with oil tank and 500-liter capacity with oil cooler from type of cool water
- hydraulic system with separate piston pump that control press and density of product by 2 hydraulic jacks.
- has robot for transferring and collecting product pallet after exit from machine
- has electricity board equipped with PLC command and HMI screen with command table and separate place for operator



Machine SM-555 is designed and produced in two general types:

SM-555 (I)	SM-555 (II)
Capability of production on wooden or metal pallets with dimensions of 4*110*140 cm	Producing on pallets with pillar by dimensions of 110*140 cm for pillars under pallets...
provided with a tank to put pallets for 25 pallets	Has robots for putting pillars and rail with capacity of 15 pallets
In each stage, mold can produce 12 blocks with dimensions of 20*40*20 and other molds are divided proportionally.	In each stage, mold can produce 12 blocks with dimensions of 20*40*20 cm and other molds are divided proportionally.



Pallet Elevator SM (robot for collecting pallet)

Since in fixed machines for producing concrete pieces, products are produced on wooden or metal pallets, one of the main machines to collect pallets quickly and suddenly for transferring to place of curing, is pallet elevator so that takes pallets containing product from rail in front of machine and puts on each other in different layers to transfer them to place of curing all at once.

Services:

18-month warranty, 10 year services after sales, installation and start and providing necessary training for function in place of customer's factory and life-time support

Depending on type of machine for producing concrete pieces, pallet elevator is designed and produced in three types:



1. pallet elevator SM-1:

This elevator is for using in machine or line that produces the product on legged pallets so that is located at the end of rail in front of machine, and its function mechanism by hydraulic system and related jacks, takes pallet containing product from rail – after exit from machine – and puts on each other in 15 to 20 layers and prepares them for transferring to place of curing all at one and by robot.



2. pallet elevator SM-2:

This elevator is used for all fixed machines that produce concrete pieces for collecting types of legged or without leg pallets, and is located at the end of rail in front of machine and takes pallets containing products in double layers (two pallets besides each other in each layer) from rail by pin jaws and keeps them in 10 – 15 layers for transferring on its rotatory jaws by robot or forklift.

3. pallet elevator SM-3:

An elevator with simple and easy use so that is located at the end of rail in front of machine on special rails and takes pallets containing product from rail and puts them one by one on platform in front of rail and in 7 to 10 layers on each other for transferring to curing place.



Weighing and Granularity System

Central station is for different depot and granularity of concrete and materials weighing separately and transfer for mixing and producing concrete that generally has 3 separate tanks with capability of separate automatic regulation and control of output of each tank, and weighing hopper is needed for determining weight of materials. According to customer's need and order or diversity of granularity diversity of materials, weighing system can be designed and produced with different capacities and number of tanks from 1 and more...

Services:

18-month warranty, 10 year services after sales, and providing necessary training for function in place of customer's factory and life-time support

Specifications:

- dimensions of 300*300*700 cm
- three tanks, each with a capacity of 12 m²
- equipped weighing hopper with 4 load cells from types of tensile bending, each with a capacity of 2000 kg
- lay flat 3 layer weighing hopper conveyor belt from high-grade Korean type
- chassis from heavy and UNP industrial profile
- without need to foundation with capability of leveling than ground surface
- tanks output valves equipped with pneumatics jacks with possibility of regulating output of each tank.
- equipped with weighing monitor screen with capability of control and regulation



Material Transfer Line:

In producing concrete or concrete pieces, transferring materials or concrete to next stage has been always laborious and time-consuming depending on type of materials. This company, in line with accelerating production cycle and decreasing costs and materials waste during transfer, has proceeded to design and construct machine that are described as follow:

1. Belt Conveyor:

High-usage machine with high speed for transferring granularity and sand that is designed and produced according to transfer distance.

- has lay flat 3-layer chevron conveyor belt
- has wall in two sides of belt to prevent material dispersal
- equipped with metal rollers on in two sides of conveyor to control and regulate conveyor belt
- rotation of conveyor belt by high-power electro-motor and gear box
- chassis of heavy and UNP industrial profile
- has grease nipple under conveyor belt for easy movement and plasticity of conveyor belt



2. Screw Conveyor:

It is useful to transfer cement in producing concrete with high and uniform speed. So that helical blades inside pipe with diameter of 10 inch transfer cement through rotatory movement.

- has anti-erosion steel blades that are in two heads joined to specific bearing
- blades are located around steel axis that is in two heads joined to specific bearing
- has inspection and control valve
- blades movement is performed by high-power electro-motor and gear box according to screw length



3. Baguette Conveyor

It is useful to transfer types of materials all at once.

- has steel rail for controlling movement path of materials baguette
- has baguette with capacity of 750 kg that transfers materials all at once by high-power electro motor and gear box.



4. Elevator Conveyor (bowl):

Has several baguettes with capacity of 50 kg that is in two sides of baguettes by corniculate industrial chains and keeps baguettes with uniform distances following each other and with electro-motor and gear box according to rotatory movement around conveyor rails, causes materials transfer.



5. hydraulic Filler

It is useful for transferring materials all at once by materials carting wagon that has simple and easy function.

- chassis is from iron UNP form
- surface on chassis is from iron with side walls for preventing material dispersal
- there is hydraulic jack under chassis filler
- lower part of chassis is equipped with keeper of material carting wagon for discharging materials from wagon.

Services:

7-year warranty of gear box, 10 year services after sales, and providing necessary training for function in place of customer's factory and life-time support are from commitments to customer for this machine.

Mixer SM-57

Vertical mixers with capability of controlling concrete moisture for producing concrete pieces and great power of mixer with unique gearboxes that have steel gears, are significantly popular. In the meantime, vertical mixer SM-57 with more power and more facilities including automatic weighing system of cement and water for producing concrete, automatic discharge and low use of human force and also more speed, has become special choice of professional customers.

Services:

7-year warranty of gear box, 10 year services after sales, and providing necessary training for function in place of customer's factory and life-time support.

Specifications:

- Dimensions of 250*200*200 cm
- tank diameter of 200 cm
- mix capacity in each stage is 1700 kg
- equipped with cement automatic weighing before completing each stage of mix with automatic discharge in each stage
- equipped with pulsed water meter for automatic water weighing
- equipped with specific watering – con to distribute water automatically in whole materials
- capability of changing water and cement weighing between stages
- rotatory drawer discharge valve that is opened and closed by pneumatics jack
- slant steel-gear 3-axis gearbox that works by electro-motor with power of 20 hp
- joint of gear box and electro-motor to blades inside tank as separate gearbox for increasing power
- equipped with 4 steel anti-erosion blades with capability of regulation
- capability of easy loading and investigation while material is mixing
- 3-phase electricity board equipped with security system and weighing command system
- capability of cement and water weighing manually and automatically with monitor screen
- capability of installing hydraulic filler for loading mixer



Accumulation Robot +SM

One of the most laborious and time-consuming stages of producing concrete pieces, is discharging pallets from products and collecting products after curing. In this line, this complex has designed and produced robots for collecting and categorizing products in quickest possible time so that robot collects products after curing from pallets all at once and categorizes them in desire rows and in this interval, pallet is cleaned and is directed toward machine for reproduction.

High speed and decrease of labor and cost are from specifications of this robot.



Services:

18-month warranty, 10 year services after sales, installation and start and providing necessary training for function in place of customer's factory and life-time support

Specifications:

- 4 movable keeping jaws
- capability of rotation and movement in any direction
- equipped with hydraulic system and hydraulic jacks for collecting and transferring products
- chain rail in 5 m length and cleaner roller for transferring and cleaning pallets
- equipped with hydraulic elevator so that 10 – 15 pallets containing cured product are put on elevator and one by one are directed on robot rail for discharging.



Machine for producing movable concrete pieces SM-700

Machine SM-700 is unique with great performance for mass production of concrete pieces including cement blocks, street curbs and concrete floors and This complex by considering need and demand of experienced and professional customers and by relying on experience and technical knowledge, has proceeded to produce machine SM-700 in country for the first time. This machine by having automatic and semi-automatic equipment and vibration and high-strength hydraulic press, can produce types of concrete pieces with 5-60 cm height so that operator sits in specific place and directs machine by command table in automatic and semi-automatic manner. Diversity, speed and product quality and performance and easy control, are some specifications of machine SM-700 that professional and experienced manufacturers have accepted it as efficient and unique selection.

Services:

18-month warranty after sales, start and providing necessary training for function and maintenance service of machine in delivery place and again in customer's factory and life-time support are from commitments to customer about machine SM-700.

Products:

Machine SM-700 with possibility of changing mold, can produce following products and in each stage, machine mold can produce 9 cement blocks with dimensions of 20*40*20 cm or 10 typical curbs with dimensions of 15*60*60 cm:

- types of ceiling and wall blocks with at least 13 mm thickness
- types of street curbs (canico, refuge, and usual) with height up to 60 cm
- types of concrete floors with thickness up to 4 cm
- types of concrete flower box and tile with height up to 60 cm
- types of concrete cool with height up to 60 cm
- types of cement pipes with height up to 60 cm



Specifications:

- weight of 700 kg
- dimensions of 320*235*300 cm
- power 380 V/3 phases/ 20 A/ 7.5 KW/ 50 – 60 Hertz
- with 5 electro-motors with total power of 19.5 hp
- equipped with feed silo with specific valve for feeding mold filler that is opened and closed by hydraulic jack.
- has paddle filler equipped with sand breaker for automatic quick load of mold
- capability to move and rotate 360 degrees around axis of machine in any direction by hydraulic system and electro gearbox
- capability of regulating distance between rows of produced product in automatic and uniform way.
- equipped with 4 vibrations of horizontal type with capability of regulating vibration by 2 electro-motors that work simultaneously
- equipped with hydraulic system with 8 hydraulic jacks and Electric Solenoid Valve with pressure breaker
- equipped with radiator fan (cooler of hydraulic oil) with volume of 60 liter
- command table for controlling machine and operator place
- - electricity board with security system for preventing damages to electro-motors



Hydraulic block maker SM-6400 (1) with 6 molds in a single row

Mass production, quick and easy function and functionality on uneven surfaces are from most important specifications of machine SM-6400 (1). So that operator sits in provided place and works with levers and chassis of command table that are in front of operator's place. High-power press and vibration cause density of product simultaneously, and production cycle speed with construction quality of machine mold cause producing high quality products with uneven surface.

Quality and speed of production, few services with resistant construct and using good and resistant mechanical and hydraulic components and instruments and working on uneven surfaces are from specifications considered by customers in selecting machine SM-6400 (1).

Services:

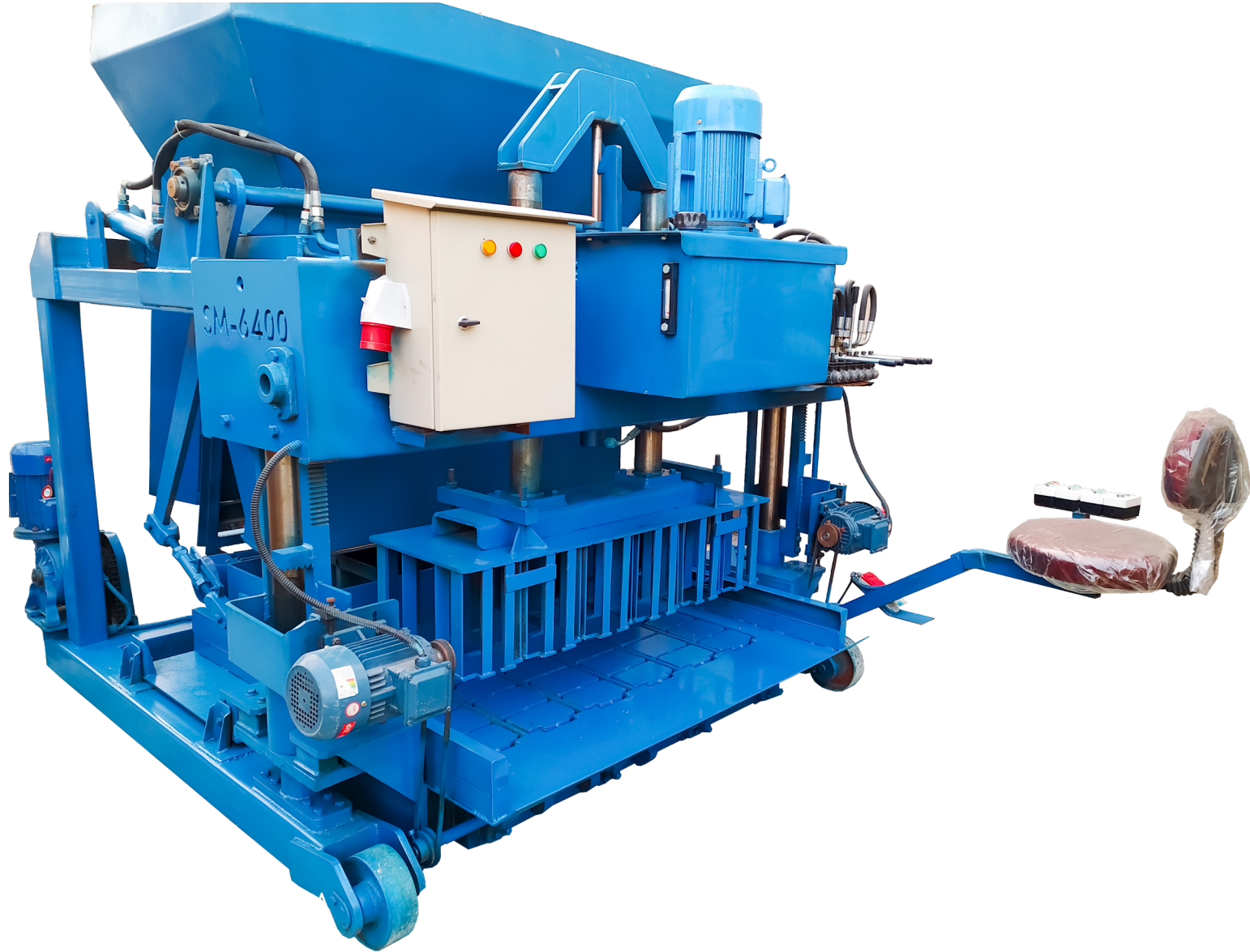
18-month warranty, 10 year services after sales, start and providing necessary training for function and maintenance service in place of customer's factory and life-time support are from commitments to customer about machine SM-6400(1).

Products:

Machine SM-6400 (1) with capability of changing mold can produce following products and can produce 6 blocks with dimensions of 20*40*20 cm or 12 blocks with dimensions of 10*50*20 in each stage.

- types of ceiling and wall concrete blocks with at least 13 mm thickness of wall...
- types of concrete flower box and tile with height up to 20 cm





Specifications:

- weight of 2950 kg
- dimensions of 215*240*260 cm
- power 380 V/3 phases/ 15 A/ 50 – 60 Hertz/ 5.5 KW
- with 5 electro-motors with total power of 13.5 hp
- production capacity in a work shift depending on mold type is 3000-7000 pieces
- equipped with feed silo with specific valve for feeding mold filler that is opened and closed by hydraulic jack.
- has mold paddle filler equipped with movable rake for automatic quick load of mold
- capability of movement and 360-degree rotation around machine axis toward any direction by hydraulic system and electro gearbox
- capability of regulating distance between rows of produced product automatically and uniformly
- equipped with 2 vibrations from horizontal type with capability of regulating vibration severity that work simultaneously by 2 electro-motors
- equipped with hydraulic system with 8 hydraulic jacks and hydraulic valve with pressure breaker that has 6 levers for controlling jacks
- equipped with fan radiator (hydraulic oil cooler) with volume of 60 liter
- has command table for controlling machine and operator's place
- - has 3-phase electricity board equipped with security system and phase control for preventing damages to electro-motors

Hydraulic block maker SM-6400 (2) with 12 molds in 2 rows

Mass production, quick and easy function and functionality on uneven surfaces are from most important specifications of machine SM-6400 (2). So that operator sits in provided place and works with levers and chassis of command table that are in front of operator's place. High-power press and vibration cause density of product simultaneously, and production cycle speed with construction quality of machine mold cause producing high quality products with uneven surface.

Quality and speed of production, few services with resistant construct and using good and resistant mechanical and hydraulic components and instruments and working on uneven surfaces are from specifications considered by customers in selecting machine SM-6400 (2).

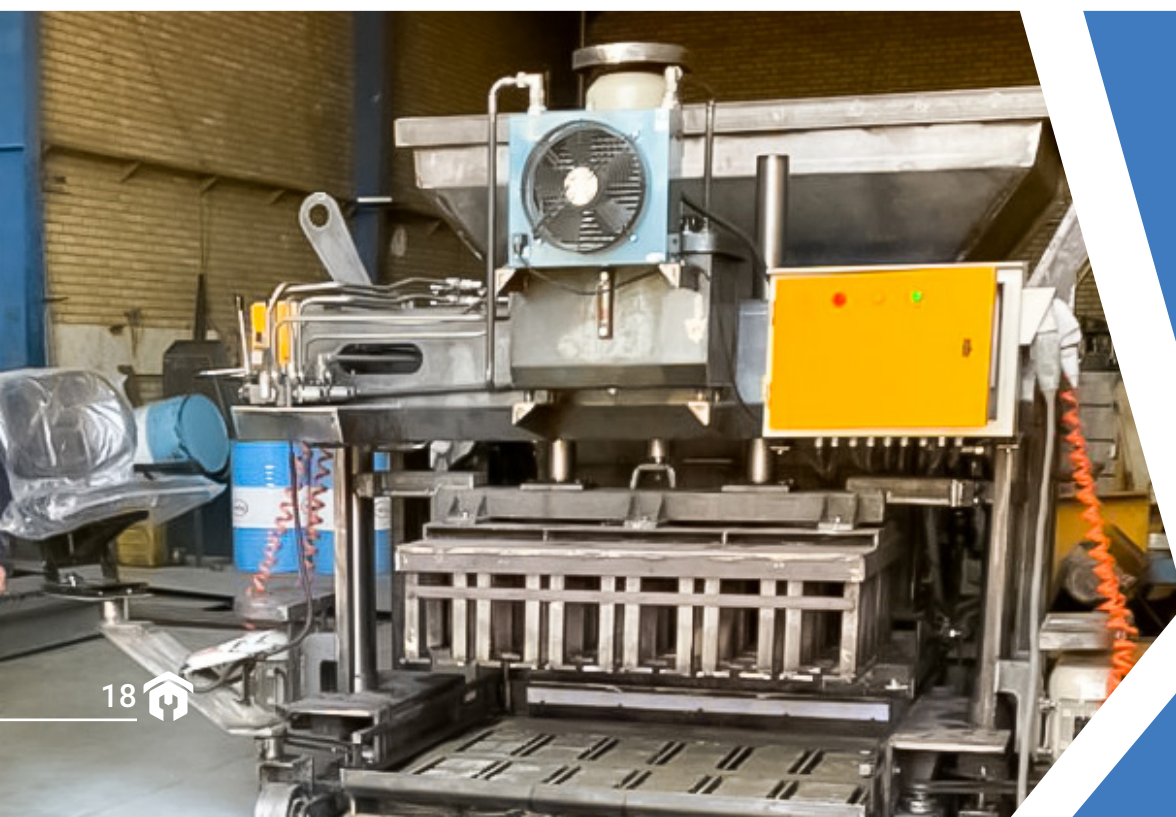
Services:

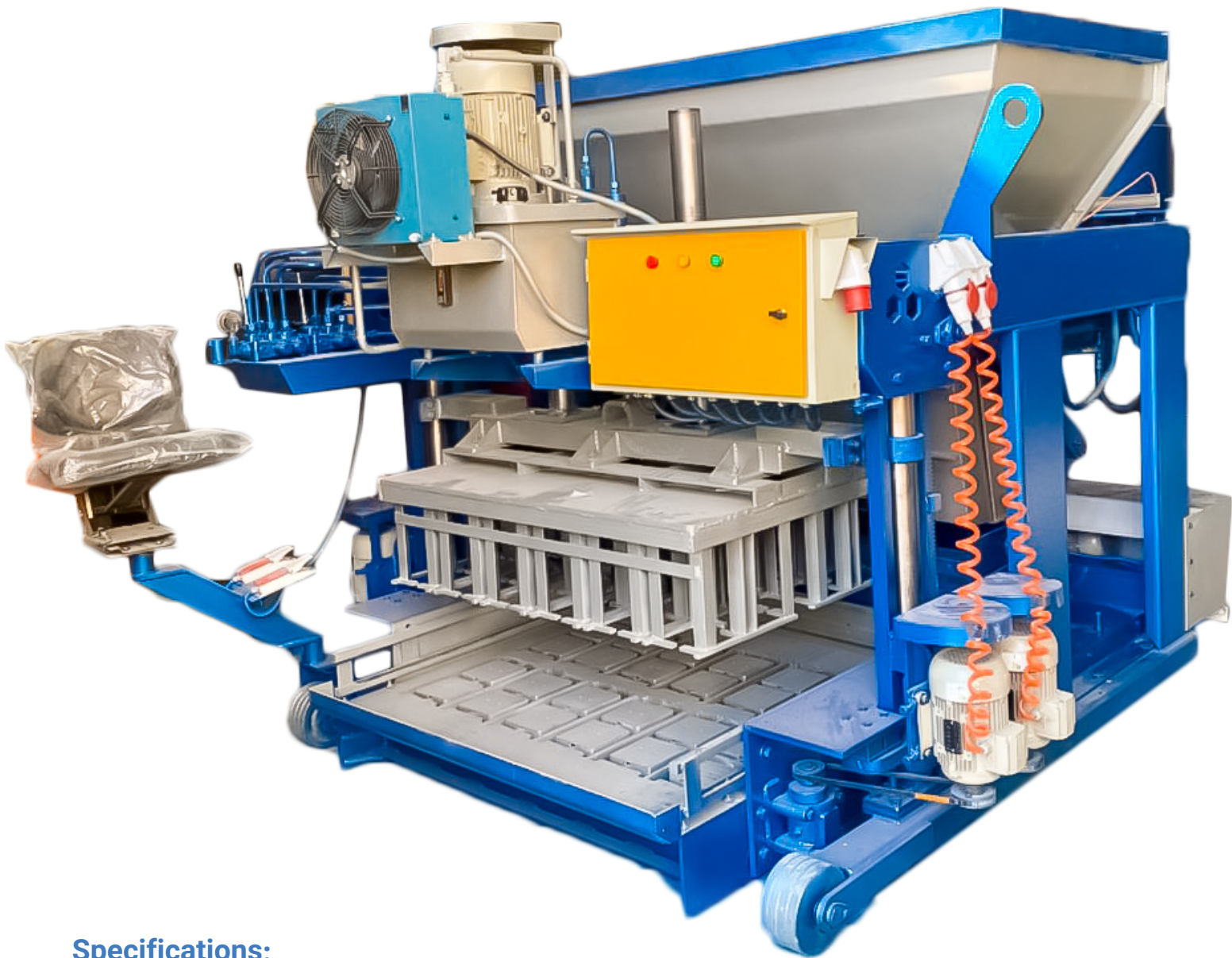
18-month warranty, 10 year services after sales, start and providing necessary training for function and maintenance service in place of customer's factory and life-time support are from commitments to customer about machine SM-6400(2).

Products:

Machine SM-6400 (2) with capability of changing mold can produce following products and machine mold can produce 12 blocks with dimensions of 20*40*20 cm or 24 blocks with dimensions of 10*50*20 in each stage.

- types of ceiling and wall concrete blocks with at least 13 mm thickness of wall
- types of concrete flower box and tile with height up to 20 cm
- types of concrete cool with 30 cm height and diameter up to 120 cm





Specifications:

- weight of 4650 kg
- dimensions of 215*395*260 cm
- power 380 V/3 phases/ 17 A/ 50 – 60 Hertz/ 6.4 KW
- with 5 electro-motors with total power of 15.5 hp
- production capacity in a work shift depending on mold type is 4500-10000 pieces
- equipped with feed silo with specific valve for feeding mold filler that is opened and closed by hydraulic jack.
- has mold filler paddle equipped with movable rake for automatic quick load of mold
- capability of movement and 360-degree rotation around machine axis toward any direction by hydraulic system and electro gearbox
- capability of regulating distance between rows of produced product automatically and uniformly
- equipped with 4 vibrations from horizontal type with capability of regulating severity of vibration that work simultaneously by 2 electro-motors
- equipped with hydraulic system with 8 hydraulic jacks and hydraulic valve with pressure breaker that has 6 levers for controlling jacks
- equipped with fan radiator (hydraulic oil cooler) with volume of 60 liter
- has command table for controlling machine and operator's place
- has 3-phase electricity board equipped with security system and phase control for preventing damages to electro-motors

Hydraulic block maker SM-6400 (3) with 18 molds in 3 rows

One of the unique and updated movable machines for producing types of cement blocks is machine SM-6400 (3). Unique feature of this machine, is capability of mass production in each stage of production while keeping high quality. This machine like similar models has capability of functionality on uneven surfaces and regulation of mold and ramrod on any uneven surface. Machine SM-6400 (3) is equipped with command table and operator's place for easy control. Beside mentioned features and vibrations and high-power hydraulic press, equipment and pieces with high quality and durability and speed of production cycle with low labor has caused customers and entrepreneurs selecting and approving this machine as a confident and efficient choice.

Services:

18-month warranty, 10 year services after sales, start and providing necessary training for function and maintenance service of machine in place of delivery and again in customer's factory and life-time support are from commitments to customer about machine SM-6400(3).

Products:

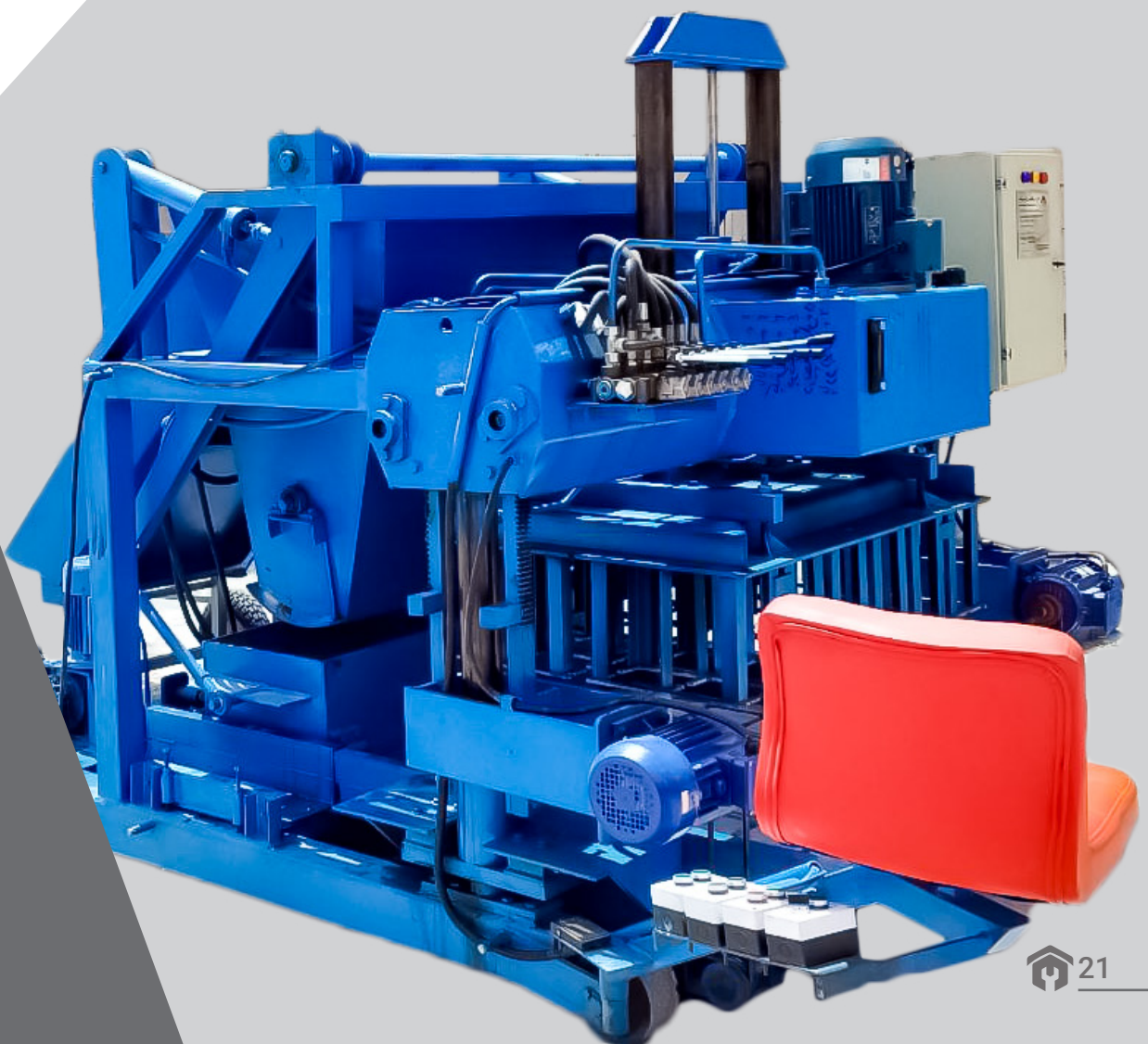
Machine SM-6400 (3) with capability of changing mold can produce following products and machine mold can produce 18 cement blocks with dimensions of 20*40*20 cm or 36 blocks with dimensions of 10*50*20 in each stage.

- - types of ceiling and wall concrete blocks with at least 15 mm thickness of wall
- - types of concrete flower box and tile with height up to 20 cm
- - types of concrete cool with 30 cm height and diameter up to 160 cm



Specifications:

- weight of 5950 kg
- dimensions of 215*450*260 cm
- power 380 V/3 phases/ 20 A/ 50 – 60 Hertz/ 7.5 KW
- with 7 electro-motors with total power of 17.5 hp
- production capacity in a work shift depending on mold type is 5500-12500 pieces
- equipped with feed silo with specific valve for feeding mold filler that is opened and closed by hydraulic jack.
- has mold filler paddle equipped with movable sand breaker for automatic quick load of mold
- capability of movement and 360-degree rotation around machine axis toward any direction by hydraulic system and electro gearbox
- capability of regulating distance between rows of produced product automatically and uniformly
- equipped with 4 vibrations from horizontal type with capability of regulating severity of vibration that work simultaneously by 2 electro-motors
- equipped with hydraulic system with 9 hydraulic jacks and hydraulic valve with pressure breaker that has 6 levers for controlling jacks
- equipped with fan radiator (hydraulic oil cooler) with volume of 60 liter
- has command table for controlling machine and operator's place
- has 3-phase electricity board equipped with security system and phase control for preventing damages to electro-motors

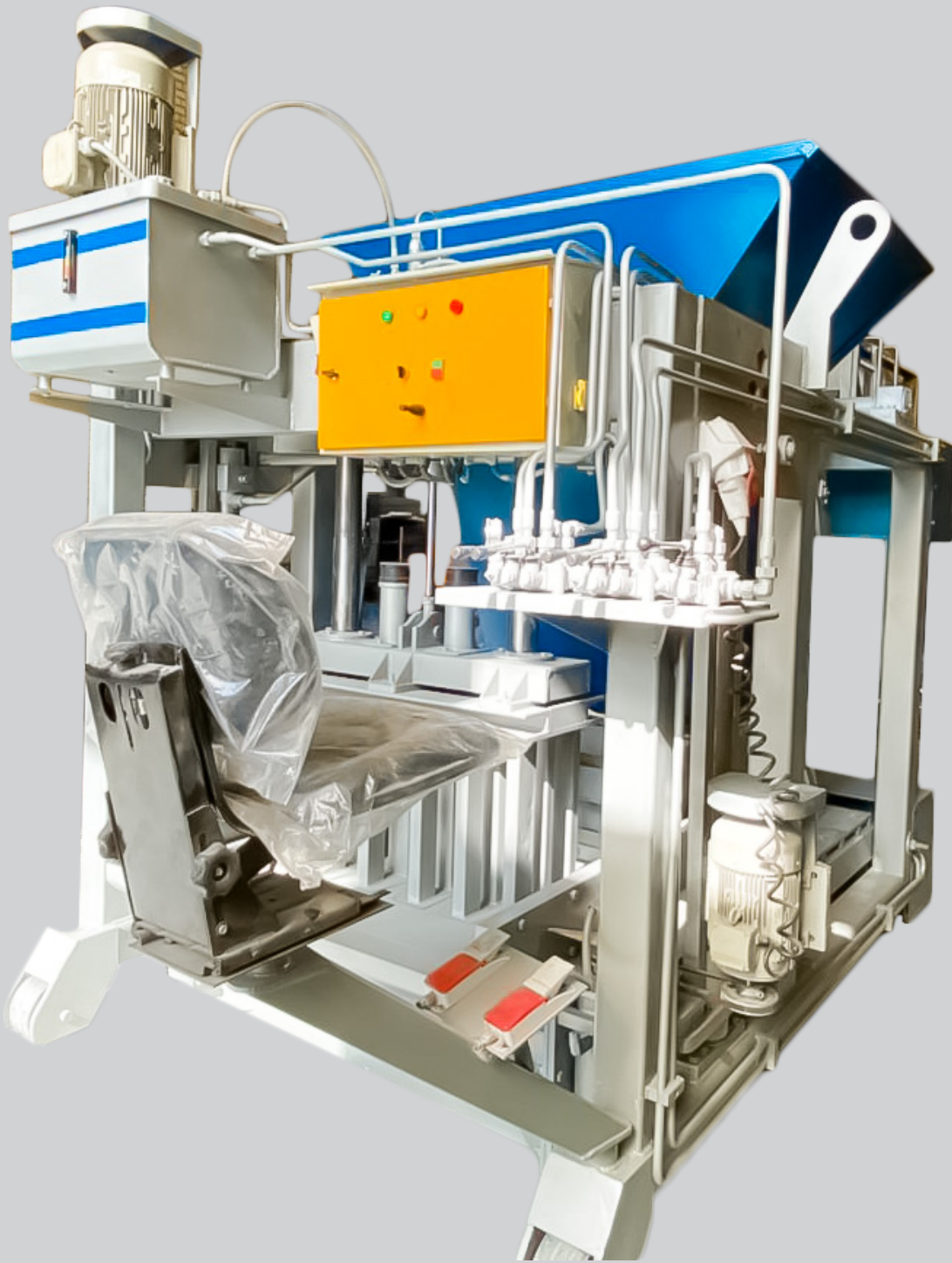


Movable automatic curb maker SM-6400 (J)

One of the movable updated and relatively equipped machines in the field of mass production of types of concrete curbs, flowerbox and concrete pipes with high speed and quality and low labor, is movable curb-maker machine SM-6400, that by having automatic equipment and facilities and command table and operator's place, you will attain experience of mass production with high speed and quality and low labor. Professional entrepreneurs and customers of curb maker machine SM-6400 (J) select this machine by considering its advantages for competition in quick and high-quality production.

Services:

18-month warranty, 10 year services after sales, start and providing necessary training for function and maintenance service of machine in place of customer's factory and life-time support



Products:

Machine SM-6400 (J) with possibility of changing mold can produce following products and can produce 6 typical curbs with dimensions of 15*60*60 cm in each stage.

- types of street curbs (canico, refuge, and usual) with height up to ۶۰ cm
- types of concrete flower box and tile with height up to ۶۰ cm
- types of cement pipes with height up to ۶۰ cm

Specifications:

- weight of 2850 kg
- dimensions of 215*210*280 cm
- power 380 V/3 phases/ 15 A/ 50 – 60 Hertz/ 5.5 KW
- has 5 electro-motors with total power of 13.5 hp
- production capacity in a work shift depending on mold type is 2400-4500 pieces
- equipped with feed silo with specific valve for feeding mold filler that is opened and closed by hydraulic jack.
- equipped with hydraulic filler lift for loading feed silo
- has paddle filler equipped with movable rake for automatic quick load of mold
- capability of movement and 360-degree rotation around machine axis toward any direction by hydraulic system and electro gearbox
- capability of regulating distance between rows of produced product automatically and uniformly
- equipped with 2 vibrations from horizontal type with capability of regulating vibration severity that work simultaneously by 2 electro-motors
- equipped with hydraulic system with 8 hydraulic jacks and hydraulic valve with pressure breaker that has 6 levers for controlling jacks
- equipped with fan radiator (hydraulic oil cooler) with volume of 60 liter
- has command table for controlling machine and operator's place
- has 3-phase electricity board equipped with security system and phase control for preventing damages to electro-motors



Hydraulic block maker SM-2600

Diversity, quality and speed of production and need to low investment are from specifications of block maker machine SM-2600. Mass production and high quality, mechanical and hydraulic equipment with high quality and durability and low labor for operator of machine that is important factor in speed and quality of production are from customers and experienced entrepreneurs' motivations for selecting block maker machine SM-2600.

Services:

18-month warranty, 10 year services after sales, start and providing necessary training for function and maintenance service in place of customer's factory

Products:

Block maker SM-2600 with capability of changing mold can produce following products and machine mold can produce 6 blocks with dimensions of 20*40*20 cm in each stage.

- types of ceiling and wall concrete blocks with at least 13 mm thickness of wall...
- types of concrete flower box and tile with height up to 20 cm





Specifications:

- weight of 1650 kg
- dimensions of 210*175*210 cm
- with 4 electro-motors with total power of 9 hp
- power 380 V/ 3 phases/ 10 A/ 50 – 60 Hertz/ 3.8 KW
- production capacity in a work shift depending on mold type is 2500-5500 pieces
- has paddle filler equipped with movable rake that works by hydraulic jacks.
- capability to move in any direction by electro gearbox
- equipped with 2 vibrations from horizontal type that work simultaneously by 2 electro-motors
- equipped with hydraulic system for pressing product and easy movement and discharging mold
- - has 3-phase electricity board equipped with security system and phase control for preventing damages to electro-motors

Hydraulic block maker SM-2400

One of the best movable machines with capability of changing mold for producing types of cement blocks, involving semi-automatic equipment that needs low investment and has diversity and quality of a powerful machine for mass production, is machine SM-2400. Easy function for producing block and using hydraulic and mechanic components with strength and power, are from advantages which are considered by consumers in selection of this device.

Services:

18-month warranty, 10 year services after sales, start and providing necessary training for function and maintenance service in place of customer's factory

Products:

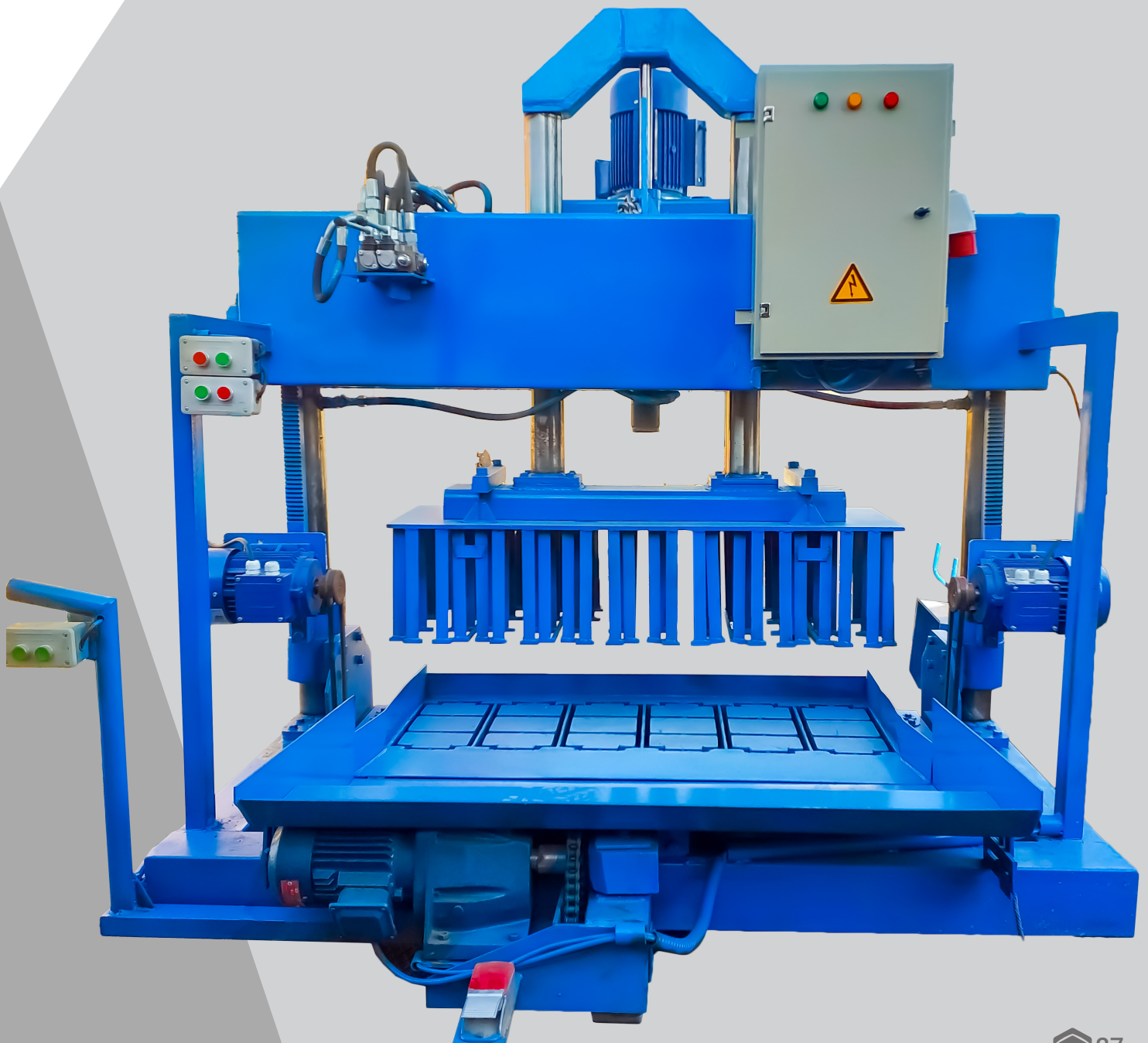
Block maker SM-2400 with capability of changing mold can produce following products and machine mold can produce 6 blocks with dimensions of 20*55*20 cm in each stage.

- types of ceiling and wall concrete blocks with at least 13 mm thickness of wall
- types of concrete flower box and tile with height up to 20 cm



Specifications:

- weight of 1450 kg
- dimensions of 210*175*210 cm
- with 4 electro-motors with total power of 9 hp
- power 380 V/3 phases/ 10 A/ 50 – 60 Hertz/ 3.8 KW
- production capacity in a work shift depending on mold type is 2000-4500 pieces
- capability to move in any direction by electro gearbox
- equipped with 2 vibrations from horizontal type that work simultaneously by 2 electro-motors
- equipped with hydraulic system for pressing product and easy movement and discharging product
- has 3-phase electricity board equipped with security system and phase control for preventing damages to electro-motors
- dominant feeding by vibration and manual paddle/ density of product by simultaneous vibration and hydraulic press



Hydraulic curb maker SM-2400

One of the high-use machines with semi-automatic mechanism and equipment for producing types of street curbs, concrete tile and pipes, is curb maker machine SM-2400. This machine, in its type, by having diversity and quality in production, hydraulic press and powerful vibration and very low amortization, while needs low investment than similar machines and has high efficiency, is choice of experienced customers who want to produce types of concrete street curbs, tile and pipes with low capital in mass volume.

Services:

18-month warranty, 10 year services after sales, start and providing necessary training for function and maintenance service in place of customer's factory and life-time support.

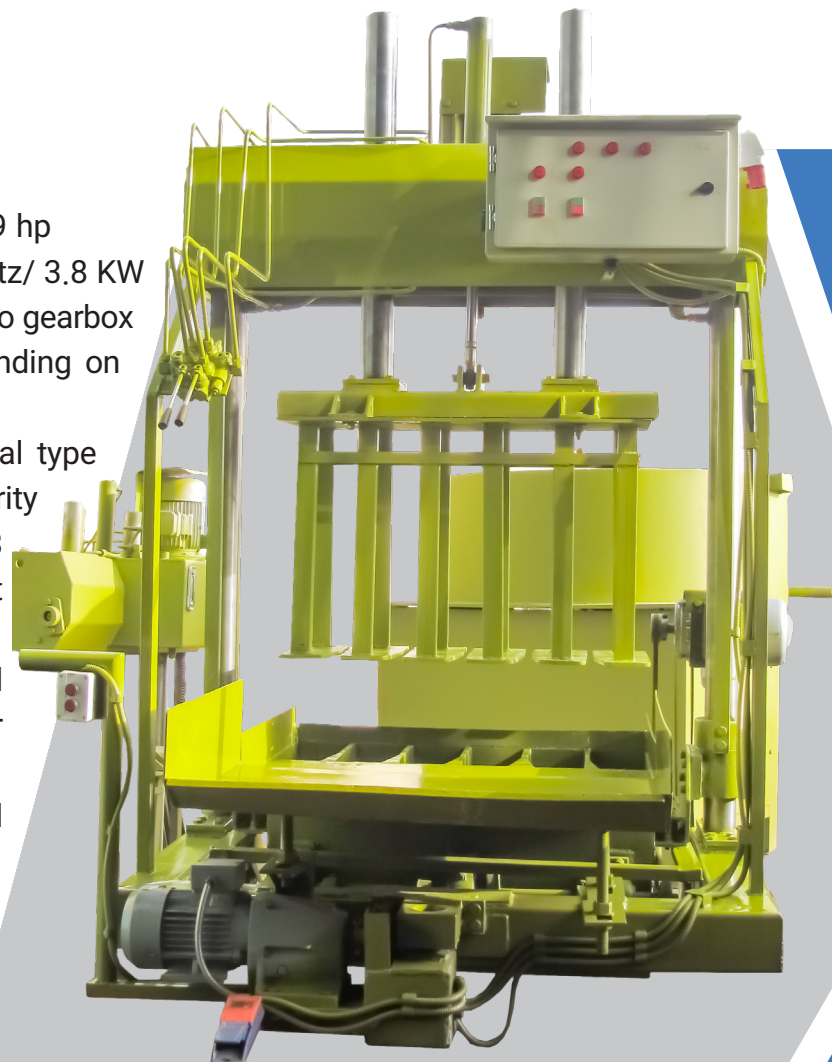
Products:

Curb maker SM-2400 J with possibility of changing mold can produce following products and machine mold can produce 6 typical curbs with dimensions of 15*60*60 cm in each stage.

- - types of street curbs (canico, refuge, and usual) with height up to 60 cm
- - types of cement pipes with height of 25 – 60 cm
- - types of concrete flower box and tile with height up to 60 cm

Specifications:

- weight of 1750 kg
- dimensions of 210*175*210 cm
- with 3 electro-motors with total power of 9 hp
- power 380 V/3 phases/ 10 A/ 50 – 60 Hertz/ 3.8 KW
- capability to move in any direction by electro gearbox
- production capacity in a work shift depending on mold type is 1500-3000 pieces
- equipped with 2 vibrations from horizontal type with capability of regulating vibration severity
- equipped with hydraulic system with 3 jacks for pressing product and movement and discharging mold
- has 3-phase electricity board equipped with security system and phase control for preventing damages to electro-motors
- dominant feeding by vibration and manual paddle/ density of product by simultaneous vibration and hydraulic press



Mixer

In producing concrete pieces in dry style, the amount of concrete moisture is very important, therefore the way of mixing material has a lot of importance. One of the best machines for mixing dry concrete is vertical mixer produced by this company that has fixed vertical tank and movable anti-erosion blades so that mixes all materials inside tank, uniformly. From specifications of this mixer is its unique and durable powerful gear box that causes its popularity among customers.

Services:

7-year warranty of gear box, 10 year services after sales, and providing necessary training for function in place of customer's factory and life-time support.

Specifications:

- dimensions of 150*150*150
- tank diameter of 150 cm
- mix capacity in each stage is 1000 kg
- iron sheet of tank and tank bottom has 15 mm thickness
- equipped with rotatory drawer valve under tank for easy and automatic discharge of concrete in baguette of materials transfer
- slant steel-gear 3-axis gearbox that works by electro-motor with power of 15 hp
- joint of gear box and electro-motor to blades inside tank as separate gearbox has caused increase of design power.
- equipped with 3 steel anti-erosion blades with capability of regulation
- capability of easy loading and investigation while material is mixing
- capability of installing movable and fixed filler for feeding mixer



Batching

One of the basic elements in construction industry and urbanity is concrete and prefabricated parts, so this company in line with company's purposes and servicing to customers, designs and constructs all types of batching in different models and with different capacity. Batching includes totally parts and machines described below;

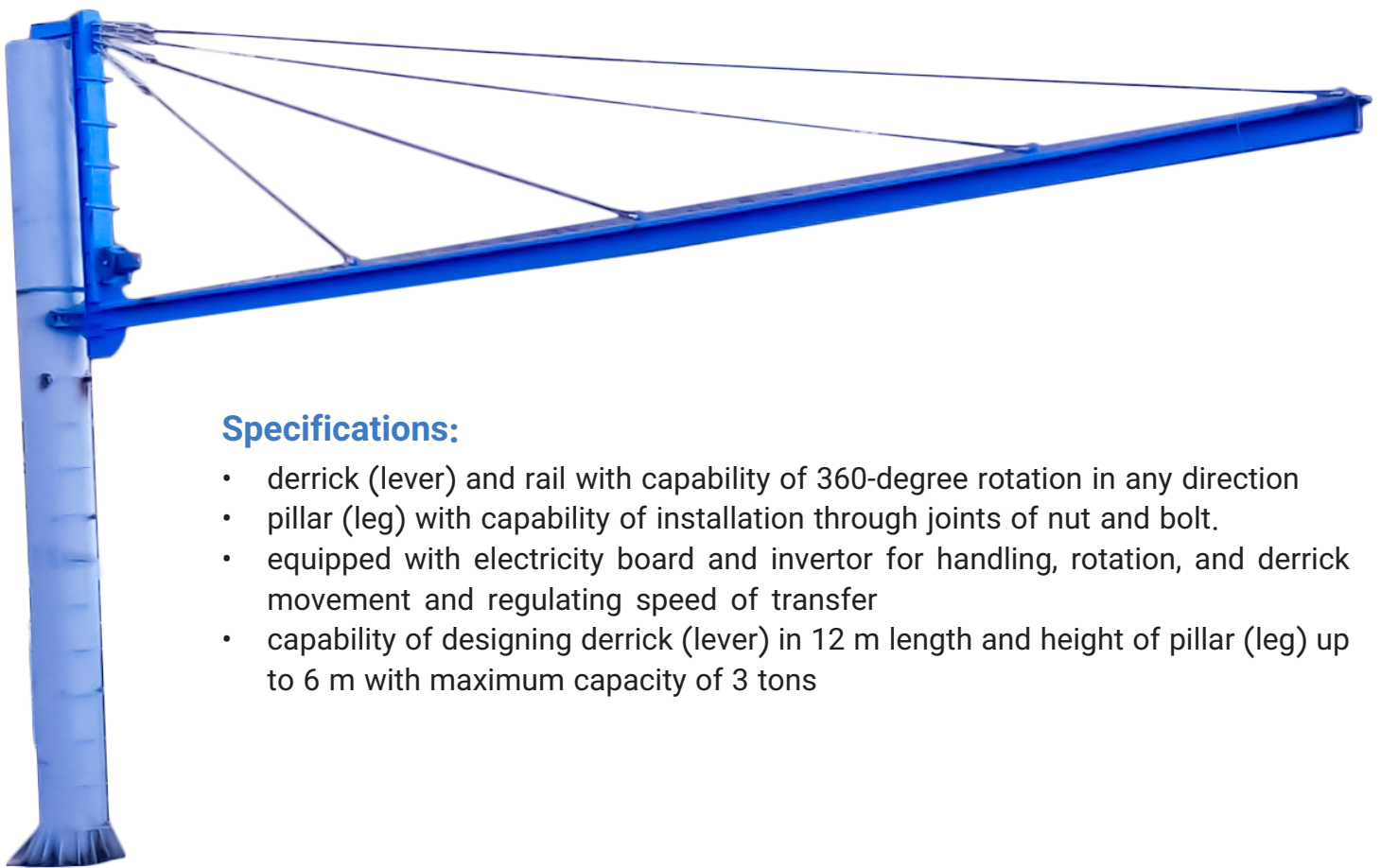
1. Weighing system equipped with digital bascul and hopper with separate reservoirs that's number and capacity is design according to customer's order.
2. Material transfer line according to customer's need and order is designed and constructed in the form of conveyor or dragline.
3. Mixer system is equipped with Bascul and digital water counter and all its belongings, mixer tank and capacity is designed according to customer need and daily production in vertical model (Batching plant) and horizontal model (cylindrical and twin shaft) and car road model.
4. Screw is applied for transferring cement to mixer bascul and according to batching daily production with 8 or 10 inch debi is determined.
5. Control room equipped with Plc control system, hmdi touch screen and control and care unit.





Cantilever Crane SM-J1

One of the most useful and fundamental machines in most factories and workstations is crane. Cantilever cranes from model SM-J1 are from this collection that are produced with unique design and easy installation and occupying minimum space while covering maximum space of workplace with capability of 360-degree rotation of lever in different capacities and lever length depending on customer's need. After installation of Crane SM-J1 for the first time, if the workplace is changed, machine can be easily moved and installed in another location.



Specifications:

- derrick (lever) and rail with capability of 360-degree rotation in any direction
- pillar (leg) with capability of installation through joints of nut and bolt.
- equipped with electricity board and inverter for handling, rotation, and derrick movement and regulating speed of transfer
- capability of designing derrick (lever) in 12 m length and height of pillar (leg) up to 6 m with maximum capacity of 3 tons

Services:

18-month warranty, 10 year services after sales, installation and start and providing necessary training for function in place of customer's factory and life-time support