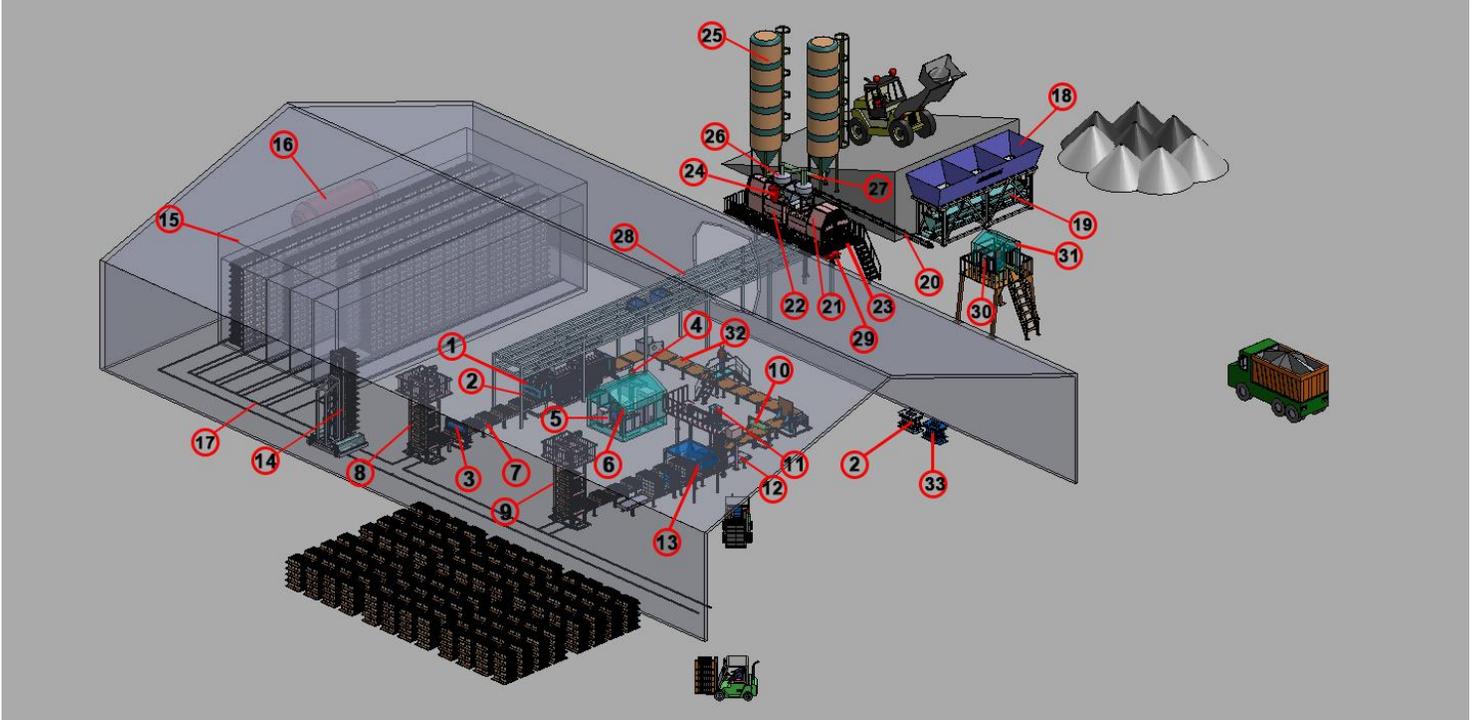


TPRN 2530 (II-30) F(H.50)(P.S: 140*110) Full Automatic Machine make curbstone – hollow block – paver – flower box-canivo

Unit	Description	Page
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Schematic



1 . Machine TP.RN 2530



The system of TP.RN 2530 (special) can produce different types of concrete parts such as curbstones , paver and cement blocks.

This machine is powerful and fast which can produce products with high quality at a short time. This machine is the result of constant improvement (quality and efficiency) and effort of ARADSAN Company in several years.

1/1: Heavy machine frame was made from special industrial box that can tolerate pressure from jacks and shakes of vibrators.

1/2: Specification of tools that was used in TP.RN 2530

pump generator : VEM or WAT

Vibrate generator : WAT

All of electromotor regulation : GAMAK or WAT

Jacks piston tubes : Germany type (BOSH OR BOHLER Mark)

Moulds are made from integrated sheet (STD 52)

Hydraulic hoses : FLEX or SEL

Machine control taps : Italian mark - DEPLOMAT

Moulds are made of ST52 sheets. types and parts that are exposed for corrosion will be made from non corrosion sheets

control panel includes (TELE- SIEMENS) made in Germany, France TELE pieces and touch screen 15 inch monitor

All of micro switches and telemechanic sensors are of France or Muller Germany .

Mixer internal sheets are made of Sweden Hradox OR Dillidur Germany .

Radiate oil cooling system is cooled by air.

1/3: production capacity:

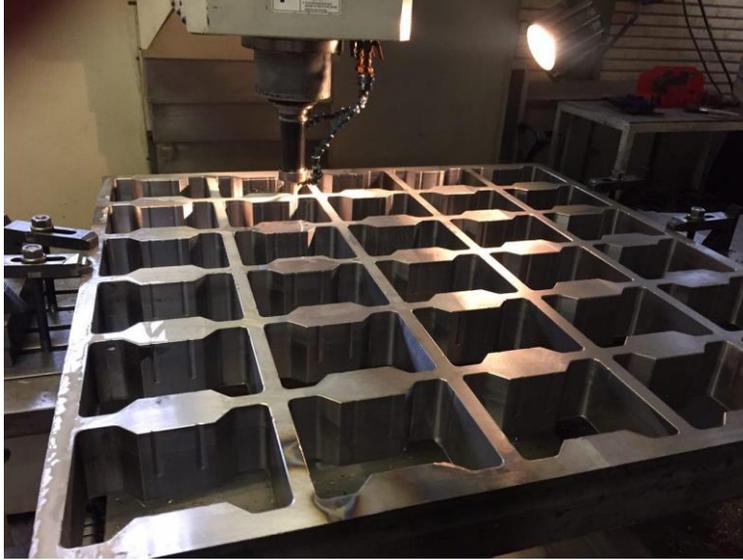
Products	Dimension	Capacity
Paver	200*100*60 mm	1400 M2
Curbstone	500*500*150 mm	6000 Pcs
Curbstone	500*350*150 mm	7000 Pcs
Hollow Block	400*200*200 mm	16000 Pcs

1/4 : Technical Specifications :

Machine function System	Hydraulic -Vibration
Control System	PLC
Generators Power	55 KW
Pump pressure amount	320 BAR
Oil tank capacity	3000 LIT
Packets capacity	2000 LIT
Capacity	250 LIT
Pallet size	140 * 110
Effective size	130 * 100
Minimum height	50 mm
Maximum height	500 mm
Machine dimensions (Meter)	Width 2/2 - high 3/8 - length 11
Weight	28000 KG
Time cycle	15 - 30 sec

2 . Mold

One set mould , made at the request of the customer , with intergrated sheet anti wear with a 2 year warranty .

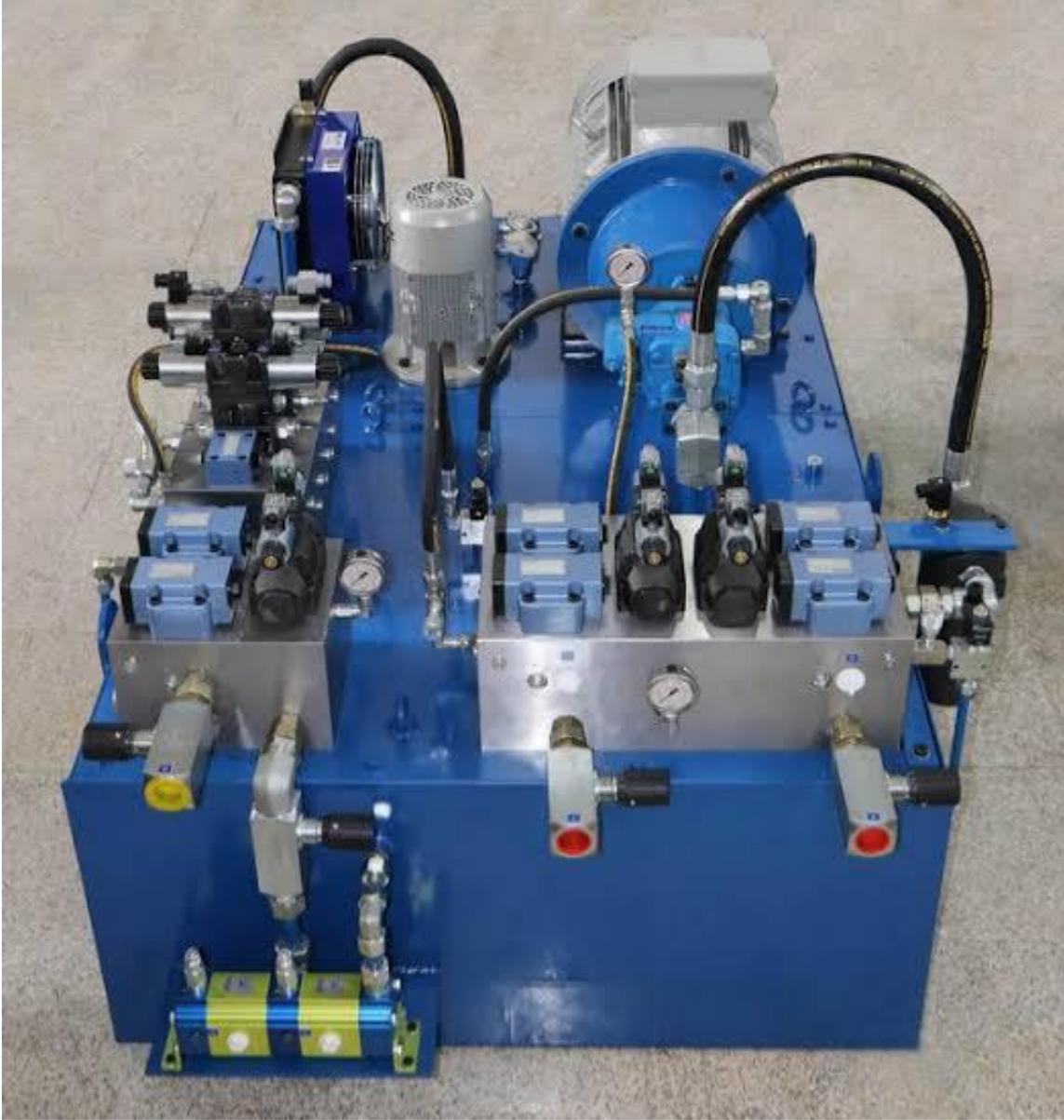


3 . Product Cleaning Brush

To brush the surface of the product and remove fins. The brush is fixed at the base frame with a hand wheel and a through shaft. Height adjustment synchronized on both sides by a crank fixed on one side. The rotating spiral brush is powered by an electric gear motor and is a equipped with a cleaning bar.



4 . Hydraulic system



5 . PLC Controlled Electric Panel

Produced tableau is in 200*100*60 dimensions and mounted pieces on tableau are of European marks. All of pieces related to automatic key- temperature key- contactor- miniature fuse- phase control and used representation are of France tele mechanic mark and used mark is of France Legerand mark and used terminals are of Germany Wide mark. Wiring cable head and cable number are of Sweden Loper mark and all of used cables are of Zar Sim mark.



Piece name	Type	Mark / model	Electro motor power	Head banding type	Number	utility
Automatic key	100 A	Merlin Grine	-----	-----	1	Total system cut off and connecting
Temperature key	37-50 A	Siemens	22 kw	Star Triangle	1	To protect and cut off and connecting hydraulic electro motor
Temperature key	23-32 A	Siemens	11 kw	Triangle	1	To protect and cut off and connecting alleviator electro motor robot
Temperature key	6-10 A	Siemens	4 kw	Star	2	To protect and cut off and connecting up vibrate electro motor
Temperature key	6-10 A	Siemens	4 kw	Star	4	To protect and cut off and connecting down vibrate electro motor
Temperature key	4-6 A	Siemens	2/2 kw	Star	2	To protect and cut off and connecting line 1 electro motor feeder
Temperature key	4-6 A	Siemens	2/2 kw	Star	2	To protect and cut off and connecting line 2 electro motor feeder
Temperature key	4-6 A	Siemens	2/2 kw	Star	1	To protect and cut off and connecting line 2 electro motor
Temperature key	4-6 A	Siemens	2/2 kw	Star	1	To protect and cut off and connecting chain band electro motor
Contactator	D 65	Siemens	22 kw	Star Triangle	1	To start hydraulic electro motor
Contactator	D 40	Siemens	11 kw	Star	1	To start alleviator electro motor robot
contactator	D 18	Siemens	4 kw	Star	1	To start up vibrate electro motor
Contactator	D 18	Siemens	4 kw	Star	1	To start down vibrate electro motor
Contactator	D 12	Siemens	2/2 kw	Star	1	To start line 2 electro motor feeder
Contactator	D 12	Siemens	2/2 kw	Star	1	To start line 2 electro motor feeder
Contactator	D 12	Siemens	2/2 kw	Star	1	To start line 2 electro motor
Contactator	D 12	Siemens	2/2 kw		1	To start chain band electro motor
Digital representation	PM 500	KINCO	-----	-----	1	To show all of related parameters

6. Control room 3*4



7 . Transfer Pallet Rail from machine to outside

Heavy profile and tube structure, Belt run on height adjustable rollers with bearings. Boards have guides on both sides. Proximity switches control positioning of the boards. Inverter for variable speed and smooth ramping powers the belt.

Conveyor :	
Length	1.10 M
width	145 CM
Chain type	SIZE 80
Machine chassis	Belgian
Chain system	Automatic
Power model	Helical



8 . 9 . Estifleme and De - Estifleme robot for product pallets robot for pallets - 8 rows

Row	Description	Characteristics
1	Function type	Full automatic
2	Machine height	6 meter
3	Main legs of machine	Number 18 drain pipe
4	Floors' number	20 floors, floors interval 25 cm
5	Power tableau and related control	With good quality and creditable marks



10 . Pallet cleaning brush

To clean and remove concrete pieces from the pallet .

A special height adjustable brush is mounted on a frame structure and power by an electric gear motor.



11 . Robot Collecting Products

Dry construction materials collector of PLC robot from machine pallet on work pallet

TP.RN 2530

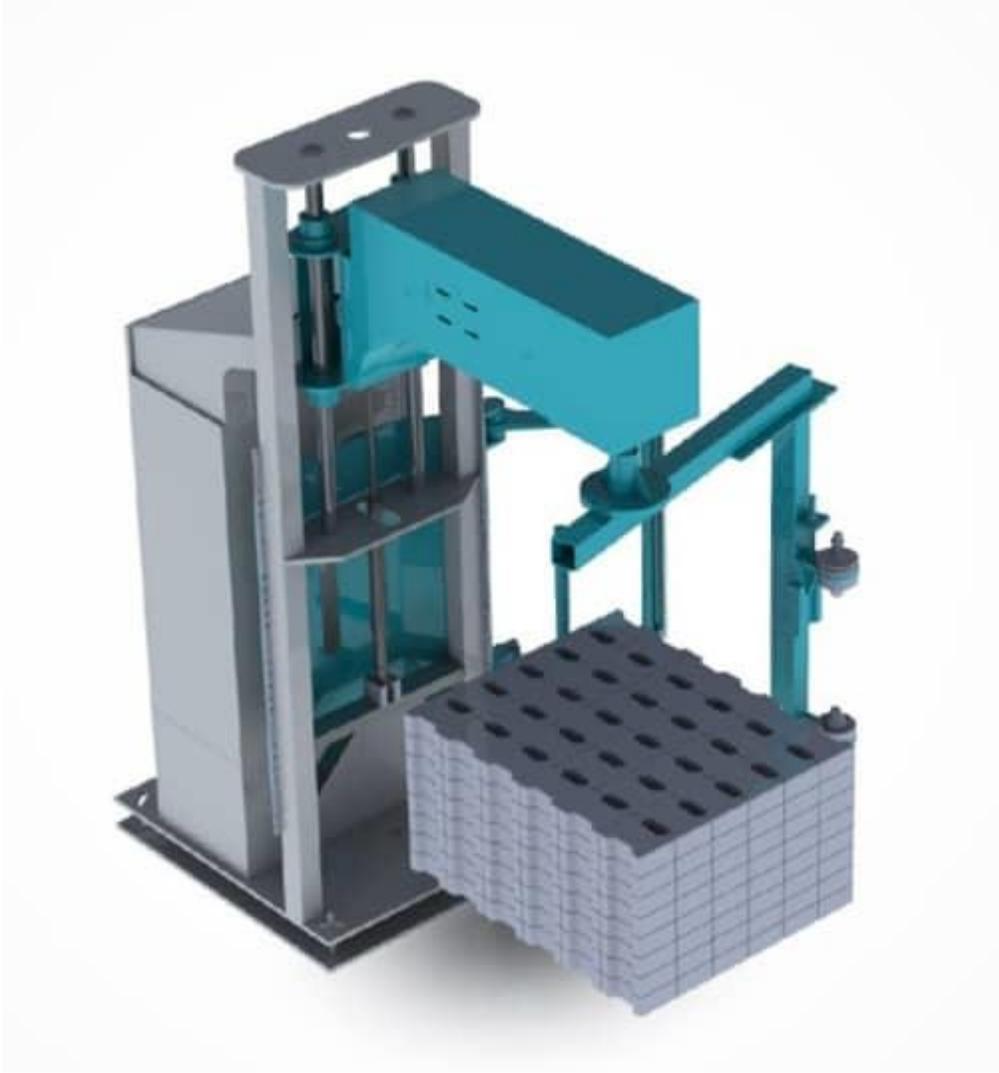
Control system	Full automatic PLC
Axis X dynamic range	140 CM
Axis Y dynamic range	400 CM
Total capacity of robot	650 KG
Digital entrance	145*115CM



12 . Product Carrying band under robot

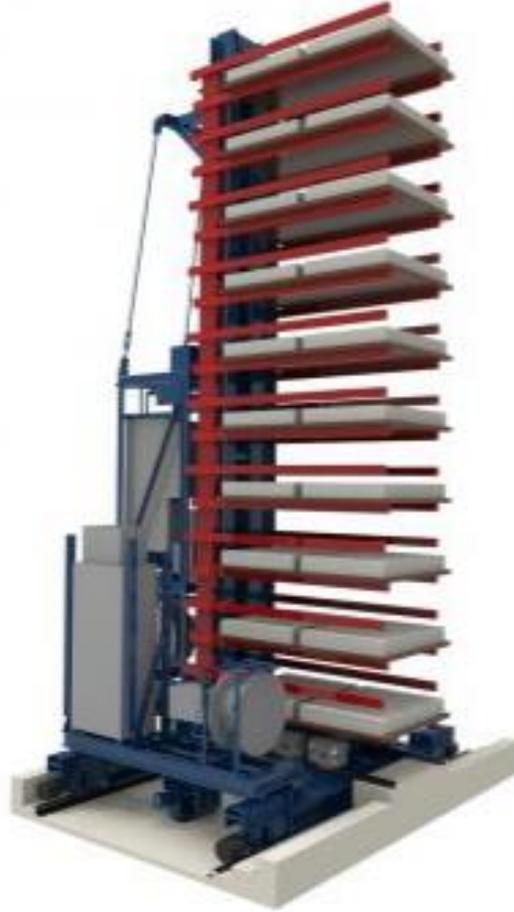


13 . Cellophane wrapping machine



14 . Finger car

The finger car is composed of a frame structure with the fork mast to which the forks for receiving the manufacturing pallets are fixed. Lifting and lowering of the fork mast is executed with a hydraulic cylinder which is controlled by a current regulating valve . The travel gear is equipped with a front mounted double axle .the bearing surfaces of the six wheels are hardened. The power supply of the finger car runs through an electric cable reel with magnetic clutch up to a length of 35 m.



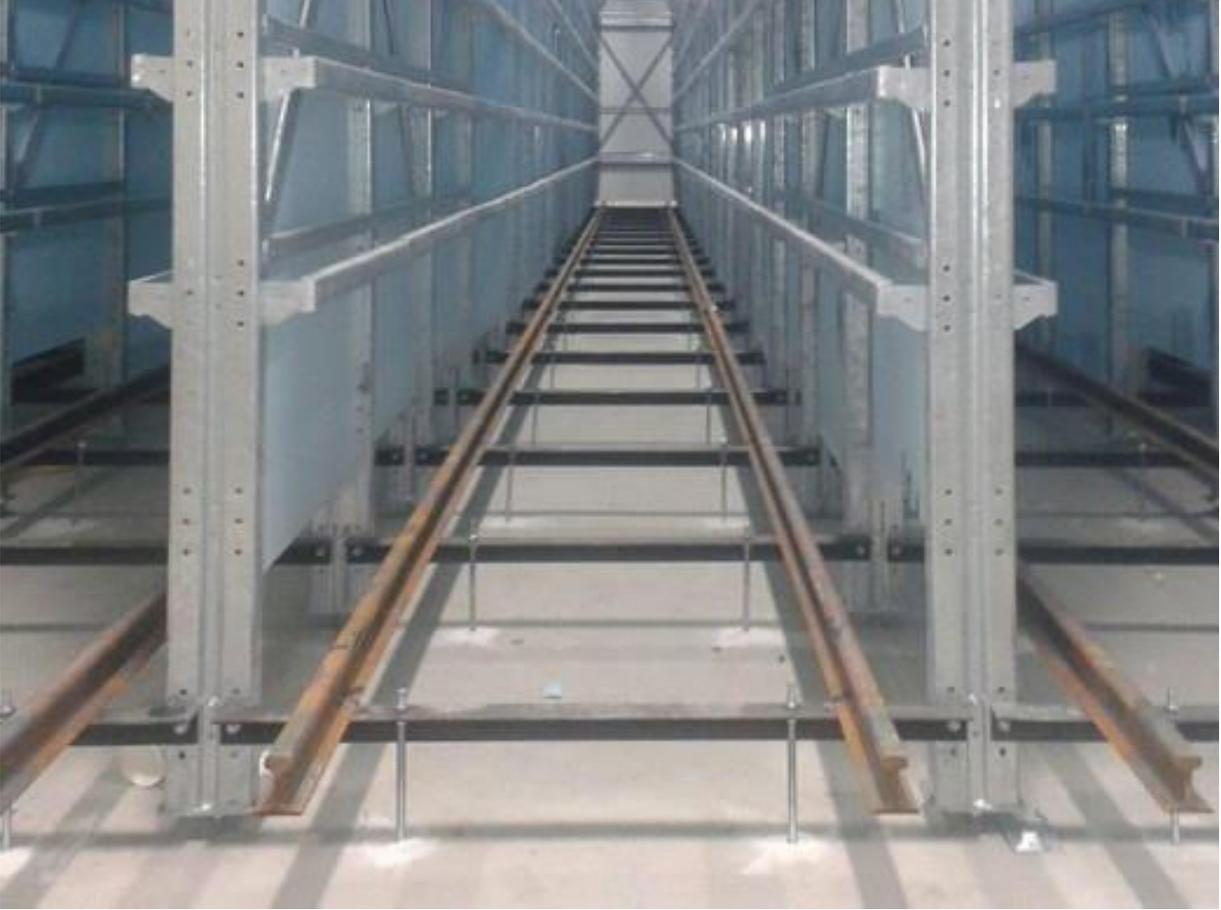
15 . Shelves for Curing room



16 . Boiler for heating and drying wet products



17 . Rails for moving finger car



18 . Sand Hooper Total 80 m3 – 3 packet

Batching plants (Weighing System) has the ability to weigh different types of materials. Aradsan Machine supplies complete batching plants for the optimum and efficient weighing of all materials (e.g.: sand, aggregates, cement, water, pigments and admixtures). The ability of weighing the amount of cement and water is possible, so it's suitable for mixing and grading before the process of mixing all inputs accurately with high sensitivity



19 . Under Weighting system rubber conveyor Belt

Heavy profile and tube structure, Belt run on height adjustable rollers with bearings . Boards have guides on both sides. Proximity switches control positioning of the boards . Inverter for variable speed and smooth ramping powers the belt.



20 . Transfer Belt conveyor to mixer

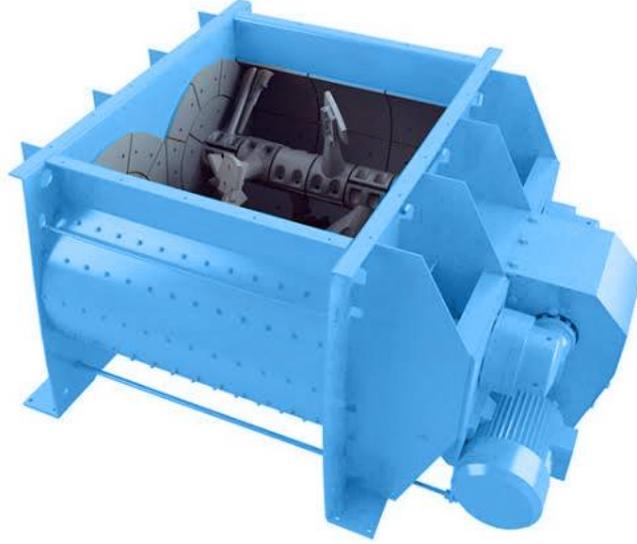
Heavy profile and tube structure, Belt run on height adjustable rollers with bearings. Boards have guides on both sides. Proximity switches control positioning of the boards. Inverter for variable speed and smooth ramping powers the belt.



21 . Mixer Elba Design (1m3) twin shaft

It has capability for dry and wet concrete production for curbstone and concrete paver and blocks Production capacity is 200 m3 in 8 hour .

Outer sheet is 10 mm and inner sheet is 10 mm (Sweden Hardox or Dillidur sheets) .



22 - Mixer Elba Design (1m3) single shaft



23 . Mixer platform

Mixer stand and stand is designed to place a two-pack mixer in line .

Materials on the band should be poured into the mixer faster and with better quality and should enter the machine's bags from inside the mixer.



24. Color system



25 . Cement Silo 75 ton

Horizontal plant batching with 40 m3 capacity of wet concrete per hour and 80 m3 dry concrete per hour .



26 .Cement Weighting



27. Screw Cement

This Conveyor is made to transfer base materials from silo to mixer .



28 . Transfer belt to machine movment left and right



29 . Air compressor 500 litre



30 . Control system batching and mixer



31 . Control room 2*2



32 . Wooden pallets (140*110*4 cm)



33. Extra mold

