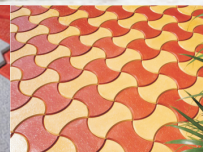




Balaji Construction Machines and Spares



Welcome to the world of Construction Machines



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Vision

Innovation With Perfection ..to enhance coustmer Satisfaction

Mision

“To deliver greater value to our customers by providing complete competitive solutions through technological leadership and manufacturing excellence that are responsive to dynamic needs of Construction market .”



Our Top Most Valuable Customers

Ceramica Exclusive (South Africa) .



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B.G. Shirke Construction LTD (MH India) .



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250 + Plants worldwide

We wish to see your Company Name in our Top Most valuable Customers

We are Manufacturer of

- Fully Automatic Fly Ash Bricks Plants.
- All types of Pan Mixers and Planetary Mixers
- Fully Automatic Rubber mould Paver Plants
- Concrete Block Making Plants
- Batching Type Pan Mixers
- Fully automatic Autoclaved Aerated Concrete (AAC) Plant
- Batching Plants for concrete Industries
- Conveyor Belts
- Ready Mix Concrete Plants
- Fully Automatic CLC Plants



Balaji Construction Machines and Spares

Fly ash bricks Machines FA - 6547

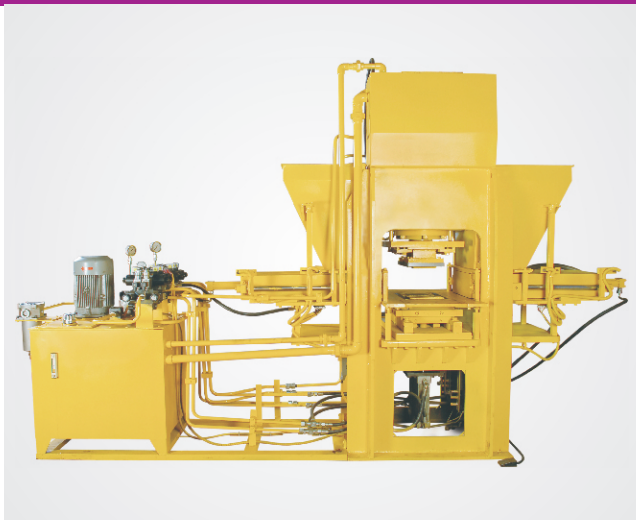


Product	Cavity	Cycle Time	Production
Bricks 9 x 4 x 4	7	10 sec.	20,000 / Shift
Bricks 9 x 6 x 4	5	10 sec.	14,500 / Shift

Main Features

- Motor** Fully Automatic, PLC controlled, Hydraulic Machine
- Hydraulic** SIMENS 15 Hp
Pressure 80 Ton
Vedol 68 Oil with 300 ltr. Oil tank
Yuken India ltd. Make Control valves
- Operating System** Fully Automatic and Manual operated
Heavy Robust Metal Body for long life
No foundation required
Only 50 Wooden pallets Required
- Plant Requirements** Machine
Mould 9 x 4 x 4 & Mould 9 x 6 x 4
Mixer 400 kg 7.5Hp(2 nos) OR
Mixer 600 kg 15 Hp (1nos)
Conveyor - 6 meter with 3 Hp motor
Product strength M-40

Paving Blocks / Fly ash bricks Machines FA-75CP60



Product	Cavity	Cycle Time	Production
Bricks 9 x 4 x 4	2	7.5 sec	7500 / Shift
Colour Pavar	2	9.3 sec	6000 / Shift
Locking Block	2	14.4 sec	4000 / Shift
Uni Pavar	2	7.5 sec	7500 / Shift

Main Features

- Motor** Fully Automatic, PLC controlled, Hydraulic Machine
- Hydraulic** SIMENS 10 Hp
Pressure 63 Ton
Vedol 68 Oil with 300 ltr. Oil tank
Yuken India ltd. Make Control valves
Heavy Robust Metal Body for long life
No foundation required
- Operating System** Fully Automatic and Manual operated
No Wooden pallets Required
- Plant Requirements** Machine
Required Moulds
Mixer 400 kg 7.5Hp(1 nos)
Conveyor - 6 meter with 3 Hp motor
Product strength M-40

Balaji Block Machine

CB-1200



Main Features

Motor

Hydraulic

Operating

System

PLC controlled, Hydraulic Fully Automatic, Vibration, Pressing, Demoulding Machine

SIMENS

Pressure

Vedol 68 Oil with 200 ltr. Oil tank

Yuken India Ltd. Make Control valves

Fully Automatic manual operated

Heavy Robust Metal Body for long life

Higher production capacity - 600 to 800 cycle per shift.

Pallet size 600 x 450 mm

No foundation required

Total power required for machine 10 Hp

Product strength M-40

Product	Cavity	Cycle Time	Production
Concrete Block	2	75 to 100 Pallet/hour	1200 to 1600
Uni Pavers	6	75 to 100 Pallet/hour	3600 to 4800
Fly Ash Bricks	6	75 to 100 Pallet/hour	3600 to 4800

Balaji Block Machine

CB-3000



Main Features

Motor

Hydraulic

Operating

System

Fully Automatic, Vibration, Pressing, Demoulding operation using the PLC Control

SIMENS

Specially designed Hydraulic Power pack.

Vedol 68 Oil with 300 ltr. Oil tank

Yuken India Ltd. Make Control valves

Heavy Robust Metal Body for long life

Fully Automatic operated

Design Automation for feeding of plates and raw material and ejection of the pallets with product.

Higher production capacity - 1000 to 1200 cycle per shift.

Pallet size 600 x 700 mm

Total power required 25 Hp

Product strength M-40

Product	Cavity	Cycle Time	Production
Concrete Block	3	125 to 150 Pallet/hour	3000 to 3600
Uni Pavers	8	125 to 150 Pallet/hour	8000 to 9600
Fly Ash Bricks	8	125 to 150 Pallet/hour	8000 to 9600



Multi Products Machines IB-1920



Product	Cavity	Cycle Time	Production
Inter locking block 9 x 8 x 5	2	30 sec.	1920 /Shift
Inter locking block 9 x 6 x 5	2	30 sec.	1920 /Shift
concrete Block 12 x 8 x 6	1	30 sec.	960 /Shift
Fly ash bricks 9 x 6 x 4	2	10 sec	5760 /Shift
Fly ash bricks 9 x 4 x 4	2	10 sec	5760 /Shift
Uni pavers	2	10 sec	5760 /Shift

Main Features

- Motor** Fully Automatic, PLC controlled, Hydraulic Machine
- Hydraulic** SIMENS 7.5 Hp
Pressure 40 Ton
Vedol 68 Oil with 150 ltr. Oil tank
Yuken India Ltd. Make Control valves
User friendly Controls
Heavy Robust Metal Body for long life
No foundation required
- Operating** Fully Automatic and Manual operated
Only 4 Person required per Shift Plant Machine
- Requirements** Required Moulds
Mixer 400 kg 7.5Hp(1 nos)
Conveyor -6 meter with 3 Hp motor
Product strength M-40

Egg laying Type concrete block Machines ECB-1920



Product	Cavity	Cycle Time	Production
Concrete Block 12 x 8 x 8	4	60 sec	1920 /Shift
Concrete Block 12 x 8 x 6	5	60 sec	2400 /Shift
Concrete Block 12 x 8 x 4	7	60 sec	3360 /Shift
Concrete Block 16 x 8 x 8	4	80 sec	1440 /Shift
Concrete Block 16 x 8 x 6	5	80 sec	1800 /Shift
Concrete Block 16 x 8 x 4	7	80 sec	2520 /Shift

Main Features

- Motor** 2 Hp for vibration
- Hydraulic** Vedol 68 Oil
Yuken India Ltd. Make Control valve
User friendly Controls
Heavy Robust Metal Body for long life
Portable Machine work on site also
- Operating** Manual operated Auto forward reverse
Only 2 Person required per Plant Machine
- Requirements** Required Moulds
Mixer 400 kg 7.5Hp(1 nos)

Pan Mixer PMXA



Main Features

- Heavy Duty Body Structure
- Planetary gear box with SIMENS motor
- Bottom plate 12 mm thick M.S. + 10 MM High Manganese
- Outer Shell 08 mm thick M.S. + 10 MM High Manganese
- Gear Box mounting housing made up of 12 mm M.S. with high manganese
- Wear protection plate 25 mm thick with flange for gear mounting
- Arms with 60 mm dia. Hardness above 60 HRC
- Hardened steel blades with hardening treatment
- Hydraulic or pneumatic operated designed Door opening
- Spring type shock absorbing system in arm type mixer
- Both arm and blades are detachable for easy maintenance
- Top cover is provided for avoid dusting at inlet.

Capacity/ Batch	Output/ hour	Power HP	Capacity per Batch	Output/ hour	Power HP
400 Kg	12 Ton	7.5 Hp	1000 kg	30 Ton	25 Hp
600 Kg	18 Ton	15 Hp	1200 kg	36 Ton	30 Hp
800 kg	24 Ton	20 Hp	1600 kg	48 Ton	40 Hp

Roller / Arm type Pan Mixer PMXR



Main Features

- Heavy Duty Body Structure with
- Planetary gear box with SIMENS motor
- Bottom plate 12 mm thick M.S. + 10 MM High Manganese
- Outer Shell 08 mm thick M.S. + 10 MM High Manganese
- Heavy Rollers for fine mixing material, blades with hardening treatment Hardness above 60 HRC
- Hydraulic or pneumatic operated graphically designed door opening
- Arm are detachable for easy maintenance
- Efficient oil circulation system for smooth operating
- Batch time 2 min

Capacity/ Batch	Output/ hour	Power HP	Capacity/ Batch	Output/ hour	Power HP
400 Kg	12 Ton	7.5 Hp	1000 kg	30 Ton	25 Hp
600 Kg	18 Ton	15 Hp	1200 kg	36 Ton	30 Hp
800 kg	24 Ton	20 Hp	1600 kg	48 Ton	40 Hp



Batching Type Pan Mixer PMXB

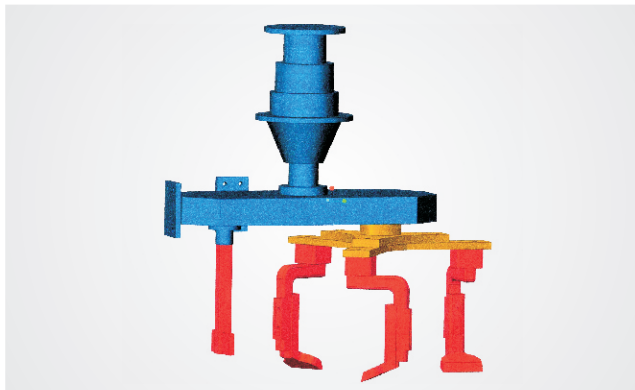


Capacity / Batch	Output / hours	Power / HP
400 Kg	12 Ton	7.5
600 Kg	18 Ton	15
800 Kg	24 Ton	20
1000 Kg	30 Ton	25
1200 Kg	36 Ton	30
1600 Kg	48 Ton	40

Main Features

- 3 Separate bins with load cells for different material weighing.
- Hydraulic skip to unload material.
- Auto digital water dosing.
- Panel board showing separate weight of each material.
- Auto hydraulic / pneumatic operated door.
- Total system PLC controlled. " Fully auto or manual operations.
- Rigid and heavy duty body.
- Top cover with inspection window
- High manganese wear plate from all inside, replaceable.
- Batch Time 2 Min.
- Most effective planetary gear box with SIMENS make motors
- Oil circulation systems
- More durable mixer

Planetary Mixer PLMX



Main Features

- Planetary type gear box with SEMENS Motor
- Total 4 bled with scriber assembly
- Heavy Duty Body Structure with
- Bottom plate 12 mm thick M,S, + 10 MM High Manganese
- Outer Shell 08 mm thick M.S. + 10 MM High Manganese
- Heavy Rollers for fine mixing material.
- Blades with hardening treatment Hardness above 60 HRC
- Hydraulic or pneumatic operated graphically designed Door opening
- Arm are detachable for easy maintenance
- Efficient oil circulation system for smooth operating
- Batch time 2 min

Capacity / Batch	Output / hour	Power / HP	Capacity / Batch	Output / hour	Power / HP
400 Kg	12 Ton	7.5 Hp	1000 Kg	30 Ton	25 Hp
600 Kg	18 Ton	15 Hp	1200 Kg	36 Ton	30 Hp
800 Kg	24 Ton	20 Hp	1600 Kg	48 Ton	40 Hp

Planetary Colour Mixer PLMX-C



Main Features

- Extra Heavy duty shell and frame
- Auto Digital Water Dosing
- Low Maintenance High Performance
- Fast Effective mixing
- Hard Steel Blades / arms

Capacity /Batch	Power
200 Kg	5 HP
400 Kg	7.5 HP

Liquid Colour Mixer LCMX



Main Features

- 8mm MS plate drum,
- 3 HP planetary Gear box with motor.
- Mounted on suitable MS angle frame
- Locking arrangement etc.

Description	Capacity	Power
Color Mixer	100 Kg.	3 HP

Dry Colour Mixer DCMX



Main Features

- Hinge type door for easy unloading.
- Sheet metal covering, to avoid color wastage.
- Solid rigid body and drum.
- Useful for double color paving blocks.

Description	Capacity	Power
-------------	----------	-------

Factory Model Concrete Mixer FMMX



Main Features

- Heavy duty body.
- Simens make motors.
- Easy fitting arrangement.
- Maintenance free robust machine.

Description	Capacity	Power
10/7 Cft Concrete mixer without Hopper	10 cft / 7 cft	3 HP

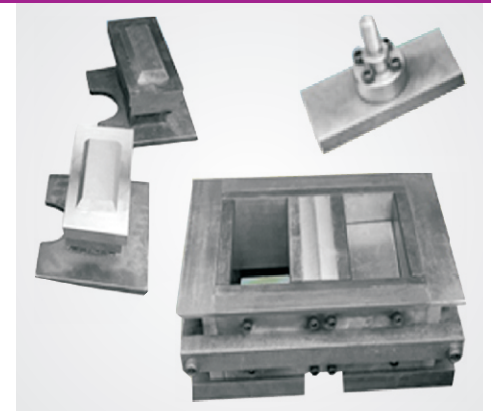
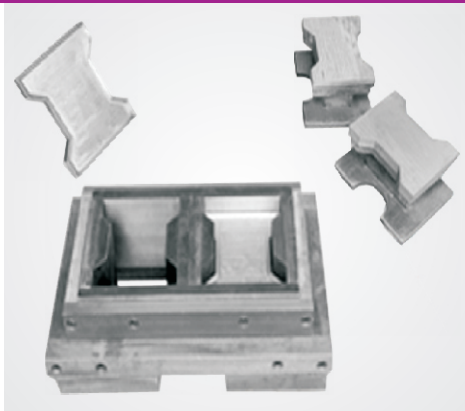
Paver Block Demoulder DM2-1500



Main Features

1. Specially design for Auto Rubber mould paver plant.
2. Fully Automatic Demoulding System.
3. 2 Heating Chambers with 12 Heaters.
4. Temperature Control System.
5. Faster Curing In Control Temperature.
6. Capacity : 1500 demould / hour.

Paver Block / Fly Ash Bricks Mould



Description	Capacity	Size
Bricks Mould	6 Lacs	100 mm
Bricks Mould	6 Lacs	150 mm

Description	Capacity	Size
Paver Block Mould	6 Lacs	'T' Shape
		Zigzag

Inline Type Batching Plant

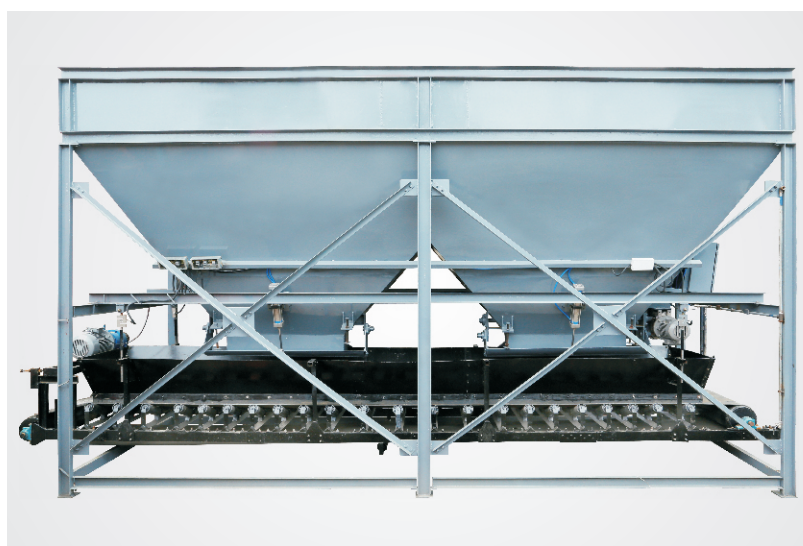
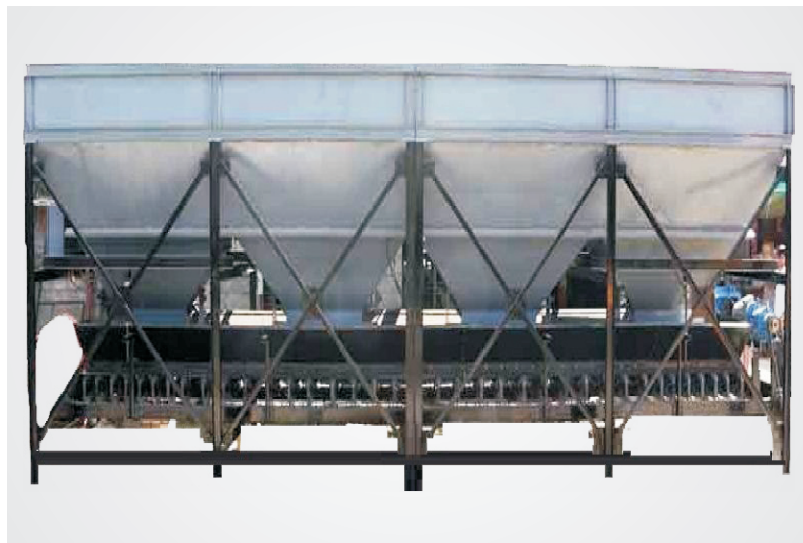
Description	Capacity	Power
4 Bin 5 Ton	48 T/ hour	7.5 HP
4 Bin 10 Ton	60 T/ hour	7.5 HP

Main Features

- Heavy duty storage bins made of 5 mm ms sheet.
- Pneumatic operated discharge doors.
- Two models available.
- Robust panel board including load indicating meters, with synchronizing of cement screw conveyor, water dosing system,
- Printing reports.
- Auto and manual operations

Description	Capacity	Power
3 Bin 5 Ton	30 T/ hour	7.5 HP
3 Bin 10 Ton	45 T/ hour	7.5 HP

Description	Capacity	Power
2 Bin 5 Ton	20 T/ hour	5 HP
2 Bin 10 Ton	30 T/ hour	5 HP



Fully Automatic Rubber Mould Paver Plant

Capacity 14000 to 18000 Paver / Shift with Auto Demoulding System



Three Bin Batching Plant
5 Ton Cap.



Material Transfer Conveyor



Concrete Planetary Mixer



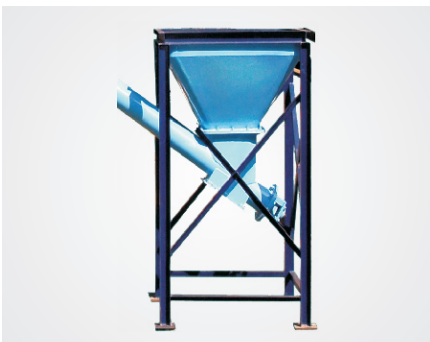
Vibrating Table



Planetary Liquid Color
Mixer 200 kg.



Cement Hopper



Weighing Hopper
For cement



Cement Screw
Conveyor



Marble Chips/Crusher
Material Sieve



Automatic Demoulder
with Dryer

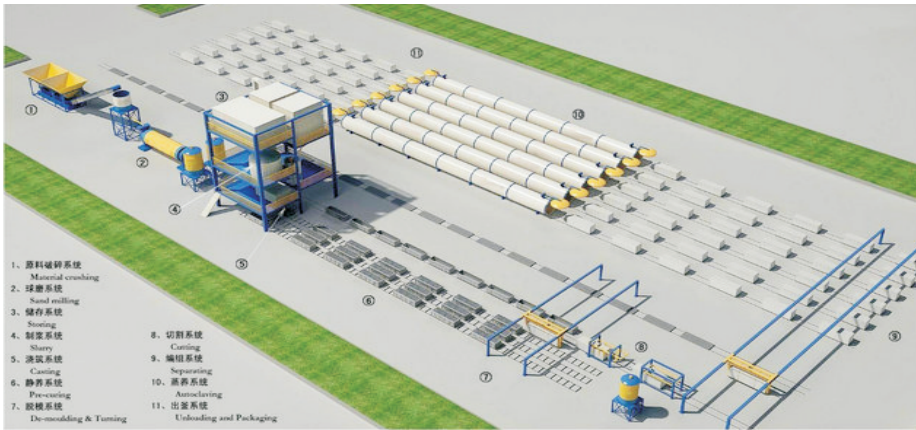


Panel Board

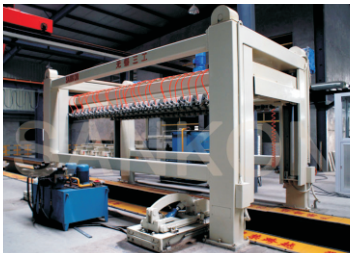


Concrete Dozing System

AAC PLANT



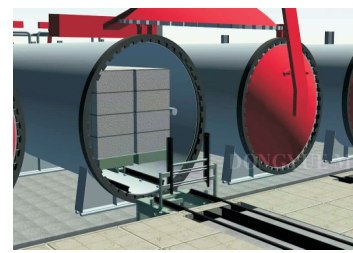
Description	Capacity/Annum
Autoclaved	10,000m ³
Aerated	20,000 m ³
Concrete	50,000 m ³
(AAC Plant)	1,00,000m ³
	1,50,000m ³
	2,00,000 m ³
	2,50,000 m ³



Cutting Machine



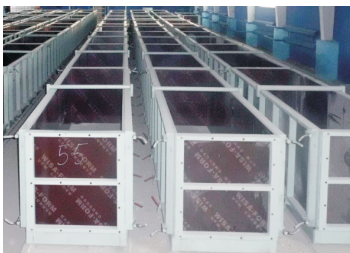
Slurry Tank



AutoClave



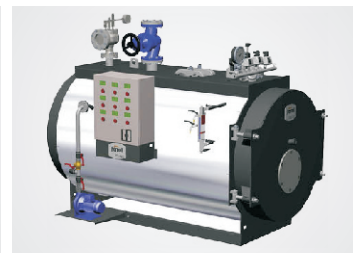
Main Casting Mixer



Mould



Silo



Boiler



Control Panel

CLC / ALC PLANT

Main Features

- Fully Automatic feeding System
- Robotics Block cutting Machine
- Data Storage and Printing of each Batch
- Optional Auto Cleave (Steam Curing)
- Fully Auto Transfer System
- All Technical support for Production

Description	Capacity/Annum	Power
Cellular Lightweight Concrete Block CLC Plant	50-100 CuM/day	30 HP



Conveyor Belt

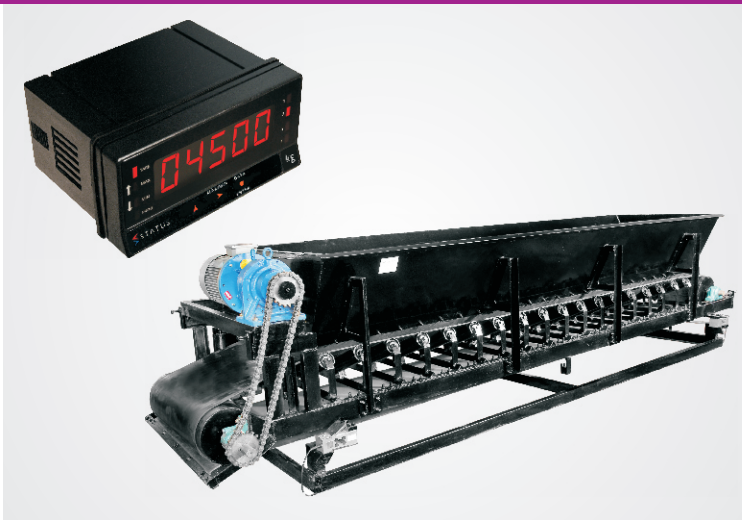


Main Features

- Conveyor belt with electric motor & Worm Gear.
- Standard Idler rollers mounted on ms frame
- Belt tightening Arrangement
- One Year Warrantee
- Idler Roller made of 100 mm x 3 mm thk. M.S. Pipe
- Standard Pedestals etc.
- Revers Belt Interlocking.

Description	Capacity	Power
Conveyor belt	500 Kg./per Minute	3 HP
	1000 Kg./per Minute	5 HP

Batching Type Conveyor



Main Features

- Heavy duty structures made of channels.
- Best quality rubber belt.
- Hopper to retain material.
- Digital load indicating meter.
- Four numbers load cells.
- Heavy duty planetary gear
- Box with Siemens motor.

Description	Capacity	Power
Batching type conveyor belt with hopper	1000 Kg.	5 HP
	2000 Kg.	

Cement Screw Conveyor



Main Features

- Heavy Duty MS Pipe 5 mm thick.
- Manganese Plate
- Siemens Make Motor
- Sturdy Gear Box

Description	Capacity	Power
Screw Conveyor	200 to 500 kg/min.	5 HP to 7.5 HP

Rubber Mould Vibratory Table

Main Features

- Made of 10 mm thick MS Plate
- Base frame made of 100 x 50 MS Channels
- Good Quality Vibrating Pads, Vibrator
- Easy to shift from one place to another place
- No Foundation required
- Mould Passing Time - 40 Sec.
- Table Size 3 ft x 10ft



Description	Capacity	Power
Rubber Mould Vibratory Table	2000 Nos. Shift	2 HP

Plain Table

Main Features

- Mould resting tables
- Made of ms angels and
- 10 gauge MS sheet

Description	Capacity	Size
Plain Table	500 Kg	840 x 1000 mm



Material Transport Cart

Main Features

- Made of MS Sheet supported with MS Angles
- Four Special Trolley Tire wheels
- Necessary pulling & turning arrangement

Description	Capacity
Material Transport Cart	750 Kg
Material Transport Cart	1000 Kg



Vibrating Table



For Sorting, Separation purpose

Mixer



For Mixing any solid powder granules and semisolid materials



We Trade In



Auto Weight Conveyor
For Packaging



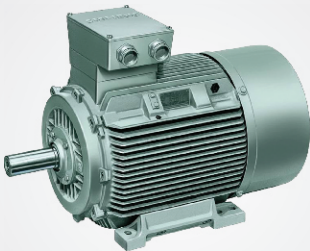
Screw Conveyor
For Transfer semi liquid granules powder hot materials



Material Quantity Measuring
Gauge for Measuring material stock of heavy metal, bars



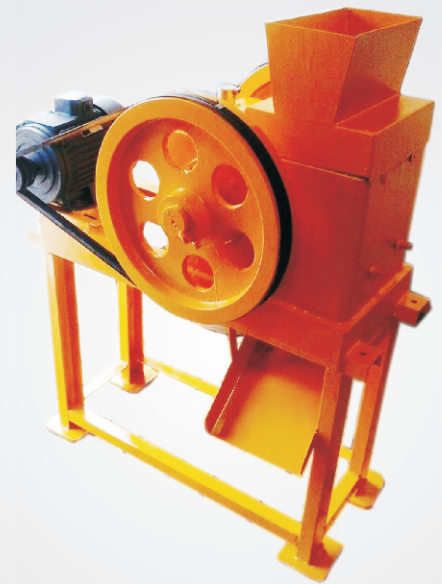
Flow Control Equipment
For automatic controlled fluid flow



Electric Motor



Gear Box



Mini Crusher



Rubber Moulds



Construction Chemicals

New Arrival Machines and Plants

Hollow core wall panel Machine

- Manufacturing panels in various length and size.
- Very light in weight (Density = up to 40 (Kg/m³)
- Best strength up to 40kg / cm²
- Less mortar and no need plaster after the installation.
- Tongue and groove joining system: fast installation and time-saving.
- Higher 50 % reduction in cost .

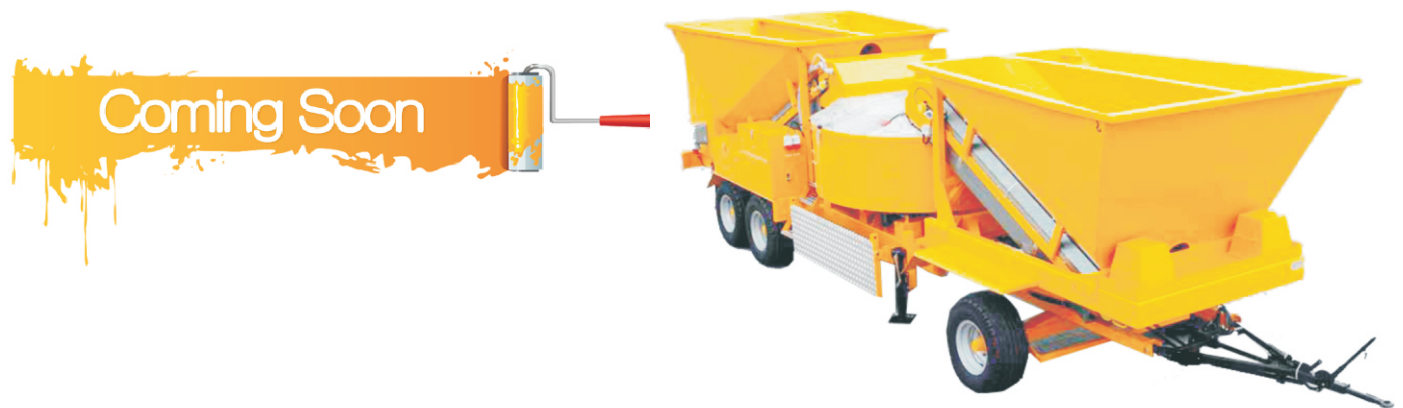


Ready Mix mortar

- Low machinery cost ranging from 2 lacks to 50 lacks.
- Maximum strength with minimum quantity of cement.
- Due to controlled factory mix design the quality of product is consistence.
- With few Chemical additions, plaster and mortar without water curing is also possible
- With uniform mortar thickness the wall construction becomes sturdy



Mobile Batching Plant



Please find us on

www.balajimachines.com

www.aaconcrete.net

www.autorubbermoldpaverplants.com

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