

Wel Come to Himat Machine Tools



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29 Year In Your Service

Fly-Ash Bricks, Interlocking Paver Blocks, Designer Tiles, Interlocking Bricks, Concrete Blocks, Clay Bricks (Red Bricks) & Cement Tiles Making Machinery

Himat Group Introduces itself as the leading manufacturers & exporters of Fly-Ash Bricks making machineries, Interlocking Paver Block making machineries, Concrete Block making machineries, Designer tiles making machineries, Cement (Mosaic) Tiles Making Machinery, Interlocking Bricks & Clay Bricks (Red Bricks) Making Machinery Founded in the yers 1984 placed in Morbi, industrial City of Gujarat state (India) **Himat**, a reputed & reliable name in Fly-Ash Bricks / Concrete Blocks / Interlocking Paver Blocks / Tiles making machineries engineered by skilled and experienced technicians with strategic frame work that leads to a fruitful outcome over a period of 28 years.

Through continuous and extensive up-gradation in Fly-Ash Bricks making Machineries and interlocking Paver Blocks making Machineries and in manufacturing process matching with the advanced technology and changing new need of customers, **Himat Group** emerges as a leading brand in the entire Fly-Ash Bricks and interlocking Paver Blocks making Machineries industries.

Quality is the Prime word at **Himat** and all our products are tested to ensure uniform quality at all level.

Creation With Perfection



MODEL NO. P / 04

*AUTOMATIC VIBRO WITH HIGH PRESSURE MACHINE
FOR MAKING FLY-ASH BRICKS*



- Maximum High Pressure Tonage : 100
- Total Power Required : 13 HP
- Manufacturing Capacity : Fly Ash Bricks : 8 Pcs. In one Operation
- Facility : In-built heater in punch which facilitates to avoid cleaning of Punch & Materials manually.
Single Feeder Facilitates for Production of Fly Ash Bricks
- Production in Shift of 8 Hours : Fly-Ash Bricks : 11000 to 13000 Pcs
: Bricks Size : 230 x 110 x 75 mm
: 190 x 90 x 90 mm
- Production Area : 650 mm x 450 mm x 150 mm
- Oil tank capacity : 350 Litres
- Machine Size : Press Machine : 240cm x 165cm x 350cm
Power Pack : 120cm x 95cm x 175cm
Elect. Panel Board : 95cm x 65cm x 130cm



MODEL NO. P / 07

**AUTOMATIC VIBRO COMPACT
FLY-ASH BRICKS / PAVER BLOCKS
/ HOLLOW & SOLID BLOCKS MAKING MACHINE**



MAXIMUM HIGH PRESSURE TONAGE : 40

POWER REQUIRED : Machine 16 HP

FACILITY : In built Double Vibration
(1) Vibration to base plate
(2) Vibration in Mould

PALLET FEEDER : Pallet Feeder back side of Machine

DISCHARGE OF MATERIAL : Discharge of finish product through Chain Conveyor for FASTER Production

OIL TANK CAPACITY : 300 Litres

PRODUCTION AREA : 600 mm x 450 mm x 200 mm

PELLETE SIZE : 680 mm x 530 mm

MANUFACTURING CAPACITY IN ONE OPERATION :

Concrete Hollow Blocks 400 x 200 x 200mm 3 pcs.
Concrete Solid Blocks 400 x 200 x 200mm 2 pcs.
Concrete Solid Blocks 400 x 150 x 200mm 3 pcs.
Concrete Solid Blocks 400 x 100 x 200mm 4 pcs.

Concret Paver blocks Uni Stone 225 x 112.5 x 100 mm 8 Pcs.

Fly-Ash Bricks 230 x 110 x 75 mm 10 pcs. In one operation

PRODUCTION IN SHIFT OF 8 HOURS :

Concrete Hollow Blocks 400 x 200 x 200mm 2700 pcs.
Concrete Solid Blocks 400 x 200 x 200mm 1800 pcs.
Concrete Solid Blocks 400 x 150 x 200mm 2700 pcs.
Concrete Solid Blocks 400 x 100 x 200mm 3700 pcs.

Concret Paver blocks Single Layer Uni Stone 225 x 112.5 x 100 mm 8000 Pcs.

Fly-Ash / Cement Bricks 230 x 110 x 75 mm 12000 Pcs.



PAN MIXER

To mix the raw materials

- Capacity : 150 Kg to 500 Kg / Batch
- Power (Motor) : 5 HP to 10 HP
- Manufacturing : Mixing of raw materials of Fly-Ash bricks and second layer of paver blocks
- Material Charge : Manual or Conveyor
- Discharge (Manual) : Bottom Door opening
- Mixing : By heavy rollers and hand faced scrapers



CONVEYOR

To feed the mix from the Pan Mix to The Brick Press

- Capacity : 3.5 Tons / hour
- Power (Motor) : 2 H.P
- Bottom End
- Storage : Intermittent Bin
- Flow Regulation : By heavy rollers

PALLET TRUCK

To convey the bricks with wooden pallets

- Capacity : 500 Kgs
- System : Hydraulic lifting, hand pumping Manual Dragging
- Wheels : 3 Pneumatic



GENERAL TECHNICAL INFORMATION :

- Piston is Hard Chrome
- Wiper on cylinder top
- Super Vibration and Pressing systems for Maximum compaction and strength
- Discharge of finish product through Conveyor Belt for FASTER production
- Automatic Pressing and Demoulding by Preset auto timer control
- The Press is controlled by means of PLC
- Fly-Ash Bricks, made will have shining smooth finish
- Safe Working conditions with electrical and mechanical interlock system
- Twelve Workers require for total production process
- Pan Mixer : Capacity : 350 Kgs/Batch. Power Required 10 HP
- Conveyor Belt : Power Required : 2 H.P

*indicative only. Production depends upon the labour efficiency and mix quality.

"Higher Tonnes, Brick size as per customer specifications. Standard Brick size is 230 x 110 x 75 mm

Specifications are subject to change for improvement. Specifications, weights, volume are approximate only
Manufactures may introduce such alterations as they may deem fit without previous notice. Machines can be supplied as per customer's Specific requirements. Machine capacity mentioned is only for guidance. It will vary with materials.

Model No P / 01 Paver Block Machine

MAIN FEATURES OF INTERLOCKING PAVER BLOCK MACHINE



SPECIFICATIONS AND FEATURES :

- Maximum Pressure Tonnage 40
- Manufacturing Capacity Mosaic Tiles upto 375mm x 375mm
- Solid for manufacturing Capacity of Paver 25mm to 80 mm
- Each Paver Machine can give production of 1400 to 1800 Nos. Paver in 1 Shift.
- **POWER REQUIRED** : 5 HP.
- **OIL TANK CAPACITY** : 50 Litres
- **MACHINE SIZE** : 150 cm X 115 cm X 240 cm

Model No P / 02 Paver Block Machine

SPECIFICATIONS AND FEATURES :

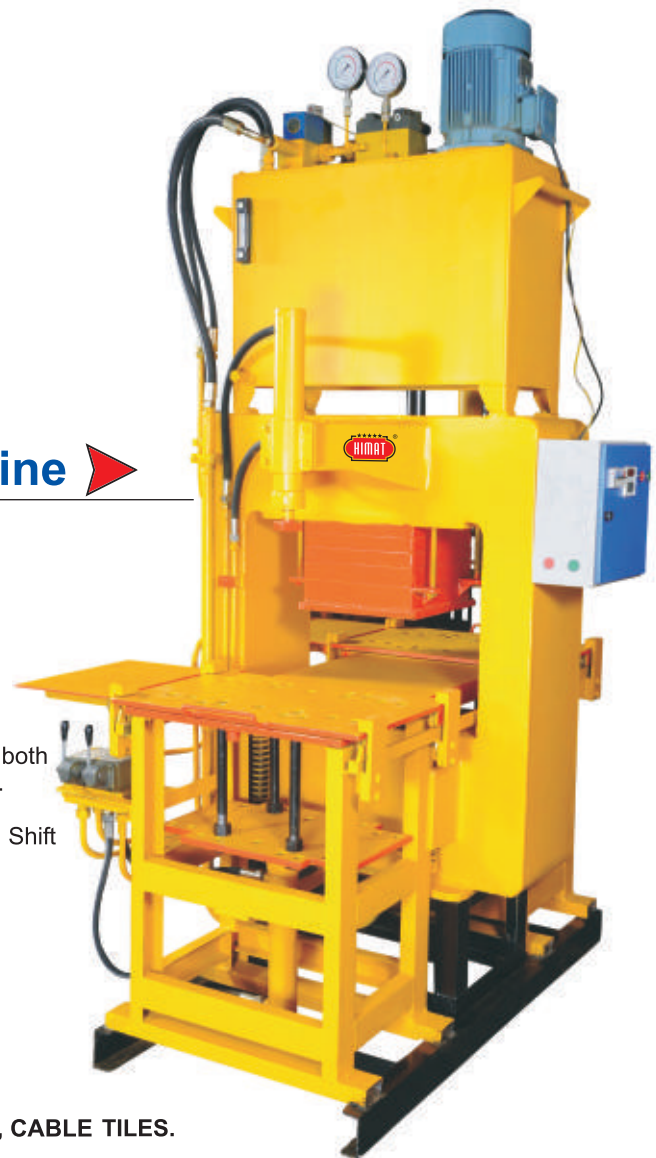
- Maximum High Pressure Tonnage 70
- Manufacturing Capacity : 450mm x 450mm MOSAIC TILES
- 450mm x 300mm x 150mm KERB STONE
- Oil Cooling System Facilitate to cool down Oil even Press is working.
- Trolley System - Mould moves/operates through Trolley.
- Auto Stop
- Safe working conditions with electrical and mechanical interlock systems
- The Pressing operation is timer controlled with single switch operation for both pressing and return strokes ensuring uniform pressure on all sides of tiles.
- Power Required : 5 HP
- Each Paver Machine can give Production of 1400 to 1800 Nos. Paver in 1 Shift
- **OIL TANK CAPACITY** : 100 Litres
- **MACHINE SIZE** : 150 cm x 123 cm x 270 cm

GENERAL TECHNICAL INFORMATION

FOR MODEL NO P / 01 - P / 02 - P / 03

- Piston is Hard chrome
- Wiper on Cylinder top
- At a time, 4 workers can work.
- For removing of Ring, Facility of Hydraulic Stand is available.
- it can also manufacture **CHEQUERED TILES, ELEVATION WALL TILES, CABLE TILES.**
- Paver made will have **shining smooth finish**
- Pavers mfgd. from our **PAVER MACHINE** are fitted in **PETROL (FUEL) PUMP, RAILWAY PLATFORM AIR PORT, SWIMMING POOL, GARDEN RESORT, GENERAL PUBLIC PARKING PLACE, INDUSTRIAL PARKING PLACE RAILWAY CROSSING AND CONTAINER YARD**

PAVER MACHINE facilitate Mfg. Of paver pc. in two colours : bottom in grey cement material and top pc. (thickness 10mm) as Required / selected by customer. This help cost efficiency of paver.





PAVER BLOCK MACHINERY

Model No. P / 03 Paver Block Machine

VIBRO WITH HIGH PRESSURE PAVER BLOCK MACHINE

- Maximum High Pressure Tonnage 70 & 90
- Oil cooling System Facilitate to coll down oil even Press is working.
- Auto Stop
- Safe working conditions with electrical and mechanical interlock systems.
- Superior Vibration and Pressing systems for maximum compaction and strength
- The Pressing operation is time controlled with single switch operation for both pressing and return strokes ensuring uniform pressure on all sides of paver block.
- Power Required : 6 H.P
- Each Paver Machine can Give production of 1800 to 2000 Nos. Paver Block in 1 Shift
- Manufacturing Capacity : Paver Block 40mm to 100mm

Kerb Stone 450mm x 300 mm x 150 mm

Railway Crossing Paver & container yard Paver

Oil tank capacity : 200 litres

Machine size : press

Power pack

150 cm x 135 cm 245 cm

110 cm x 85 cm x 100 cm



Railway Crossing Paver



MODEL NO. P / 05

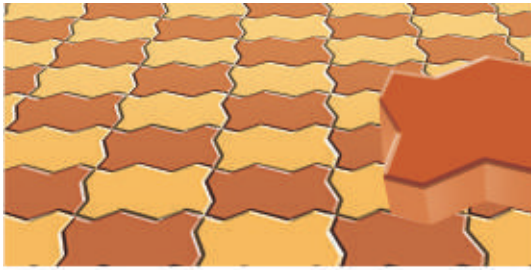
VIBRO WITH HIGH PRESSURE PAVER BLOCK MAKING MACHINE WITH CENTRE DEMOULDING SYSTEM

SALIENT FEATURES

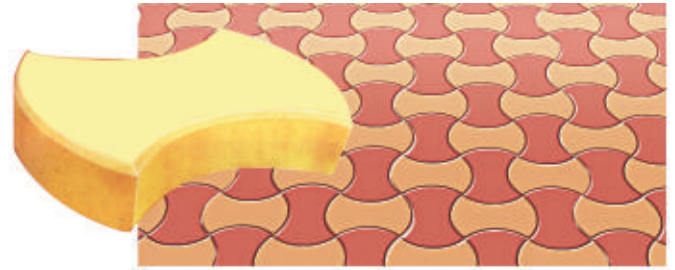
- Maximum High Pressure tonnage 70
- Auto Stop
- Centre demoulding system
- Safe working conditions with electrical a
- Superior Vibration And Pressing System
- The pressing operation is time contorllec pressing and return strokes ensuring un
- Power required : 8.5 HP
- Each paver machine can give production 1 shift of 8 hours
- fly-Ash Bricks 2500 to 3200 pcs in 1 shif
- Manufacturing capacity : paver block 40
- Oil tank capacity : 200 litres



Pavers (interlocking) Moulds



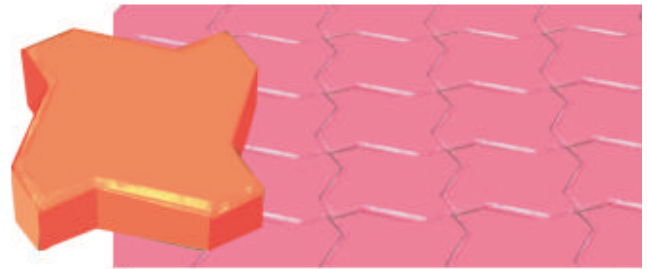
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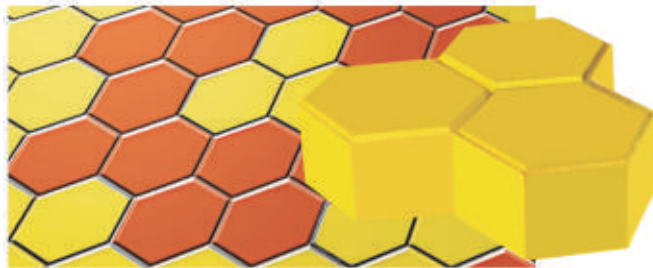
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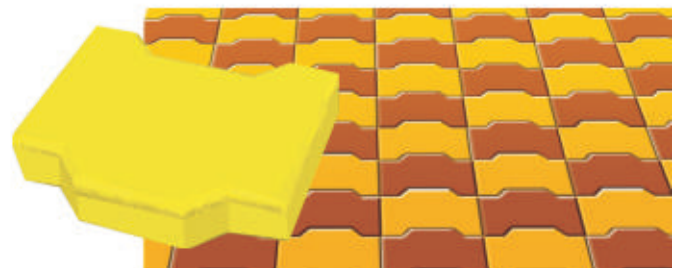
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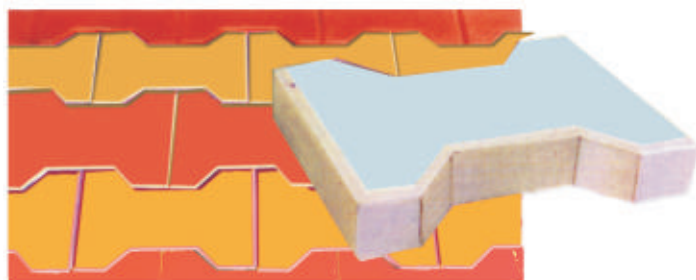
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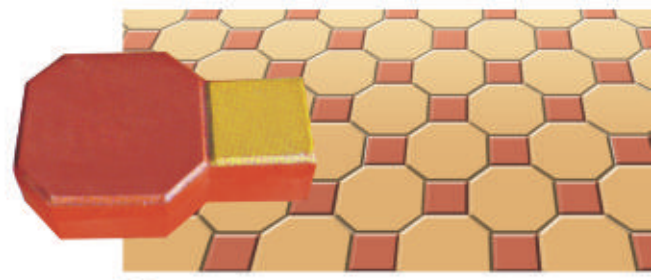
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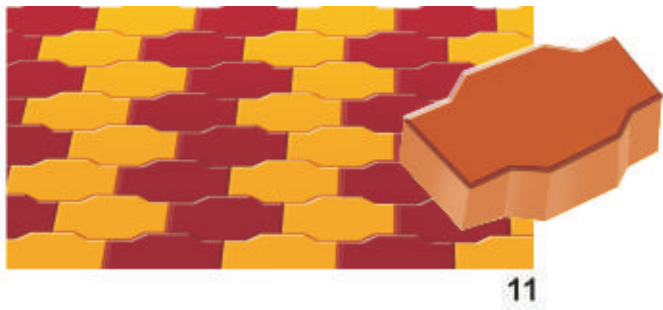


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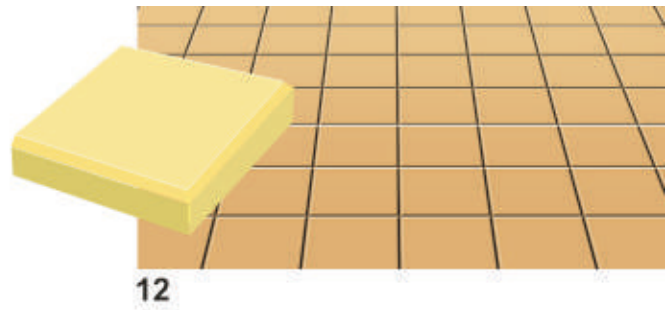


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Pavers (interlocking) Moulds



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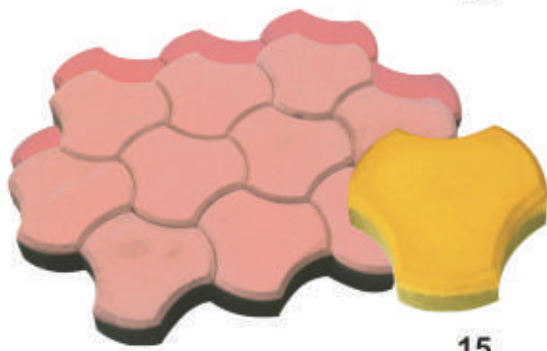
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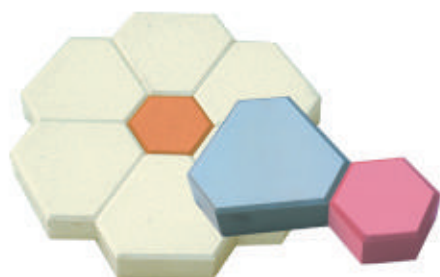
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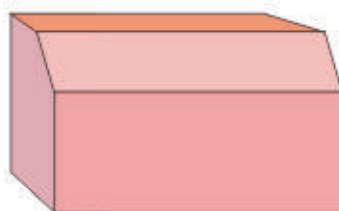
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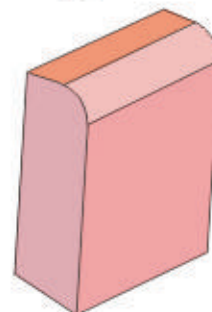
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KERBSTONE 20



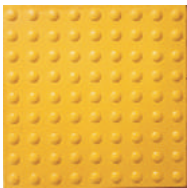
KERBSTONE 21



INTERLOCKING BRICK 22

MODEL NO. CT / 02 Oil Hydraulic Press With Power Pack

- **CONSTRUCTION :**
Fabricated M.S. Plates Steel Body.
Piston is Hard Chrome
Wiper on Cylinder Top
- **PRODUCTION CAPACITY :**
1200 To 1500 Pcs. Per Shift
Mfgs. Cement Tiles, Chequered Tiles, Galicha Tiles, Elevation Wall Tiles
- **MFG. CAPACITY :** Size Of Tiles Upto 375 mm x 375 mm
- **POWER CONSUMPTION :** 5 HP
- **OIL TANK CAPACITY :** 40 Litres
- **MACHINE SIZE :** 150 cm x 65 cm x 170 cm



MODEL NO. CT / 03 Oil Hydraulic Power Pack



- **CONSTRUCTION :**
Fabricated M.S. Plates Steel Body.
Fitted with standard Pump & Motor
- **CAPACITY :** 3 Press
- **POWER CONSUMPTION :** 5 HP
- **OIL TANK CAPACITY :** 100 Litres
- **PRESSURE PUMP CAPACITY :** Tonage 40
- **MACHINE SIZE :** 150 cm x 50 cm x 105 cm

MODEL NO. CT / 04 Oil Hydraulic Press (Attachment Power Pack)



OIL HYDRAULIC PRESS & OIL HYDRAULIC POWER PACK INSTALLATION

- **CONSTRUCTION :**
Fabricated M.S. Plates Steel Body.
Piston is Hard Chrome
Wiper on Cylinder Top
- **PRODUCTION CAPACITY :**
1200 Pcs Per Shift
Mfgs. Cement Tiles, Chequered Tiles,
Galicha Tiles, Elevation Wall Tiles
- **CAPACITY :** Size Of Tiles Upto 375 mm x 375 mm
- **MACHINE SIZE :** 95 cm x 65 cm x 170 cm



Automatic Grinder For Tiles



- Does not require sand C.I Plate while grinding.
- Saves Upto 75 % Grinding cost.
- Flexible Working pressure.
- Automated Controls in centralised manner.
- Precise Edges & Corners are assured due to Top Feed System For Tiles.
- Hydraulic Pressure in Grinding the Tiles means smooth symmetrical & uniform products.
- Grinding Wheel is easy to cast by the available materials.
- **PRODUCTION CAPACITY :**
2800 Tiles Per Shift. Upto Size 300mm x 300mm
- **POWER CONSUMPTION :** 18 Hp
- **MACHINE SIZE :** 200 cm x 142 cm x 142 cm

Model No. CT / 05

Tiles Grinding Machine (Super Leveling Machine)

- **CONSTRUCTION :**
Main body fabricated from Steel
Control Shaft is moving on Ball Bearings and thrust Bearings provided on the same.
Motion to the disc is given through Helical Bevel Gears of Alloy steel.
- **RESURFACING ARRANGEMENT :**
Attachment is Provided in the Machine to resurface the disc. which operates automatically through Super Gear Train
- **CAPACITY :**
In Terms of Nos. of Tiles Size : 25cm x 25cm at a time.
For Grinding 28 Tiles at a Time
- **PLATE / DISC SIZE :** 200 cm x 200 cm
- **POWER CONSUMPTION :** 5 HP, 1440 RPM
- **MACHINE SPEED :** 100 to 110 RPM
- **MACHINE SIZE :** 200 cm x 142 cm x 142 cm

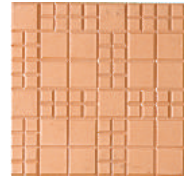


Model No. CT / 06 Colour Mixer (Double Cone Type)



- **CONSTRUCTION :**
The Lid Barrel is Made of dual Mild Steel Cones
There is complete arrangement provided for Speed Control. The Lid contains leak-proof provision
- **UTILITY :**
Fast And Accurate In Colour Mixing. Continuous mixer for first (top) layer of mosaic tiles and paver block.
- **CAPACITY :** 150 Kg. Per Batch
- **DRIVE :** 2 HP 1440 RPM
- **IDEAL SPEED :** 38 to 42 RPM
- **MACHINE SIZE :** 145 cm x 90 cm x 155 cm

VIBRO FORMING TABLE



SPECIFICATION

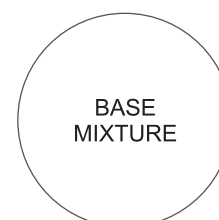
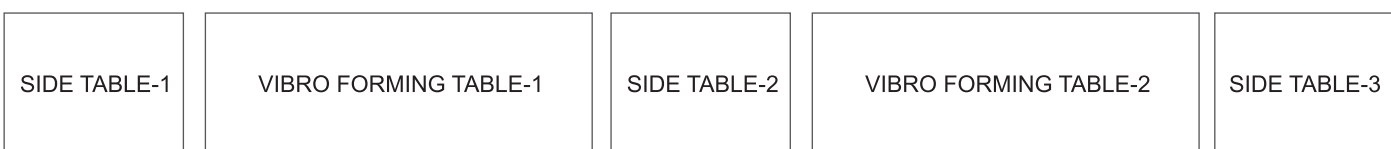
- **PRODUCTION CAPACITY** : 1500 to 1800 Sq.Ft. / 8 Hours Shift
- **POWER** : 3 H.P. (1.5 H.P. Motor / Table x 2 Tables)
- **VIBRATING TABLE SIZE** : 3000 x 825 mm
- **VIBRATING PLATE THICKNESS** : 10 mm
- **MAXIMUM SIZE OF THE TILE** : 600 x 600 x 100 mm

PAN MIXTURE	SIZE IN MM	CAP / BATCH	HYD. LIFTER	HP.
FACE MIXTURE	DIA:-750 HEIGHT :-300 BASE PLATE :- 10	125 TO 150 Kg.	X	3 HP 1440 RPM
BASE MIXTURE	DIA:-1050 HEIGHT :- 450 BASE PLATE :- 10	250 TO 300 Kg.	✓	5 HP 1440 RPM



PAN MIXTURE MACHINE

PLANT LAY-OUT





CONCRETE BLOCK MAKING MACHINE (Egg laying Type)



SALIENT FEATURES

- HYDRAULIC MOTOR : 2 H.P. 1440 rpm
- VIBRATOR MOULD MOTOR : 1.5 H.P. 2880 rpm
- TRAVEL MOTOR : 0.5 H.P. 1440 rpm
- TOTAL POWER : 5 H.P. 3 phase
- WEIGHT WITHOUT MOULD & RAM : 900 kg
- VIBRATIONS : 6000 HZ Amplitude Adjustable
- OPERATING PRESSURE : 140 kg/cm²
- MOULDING AREA : 600 x 400 mm
- PRODUCTION : 40 TO 45 Stroke / Hour



Model No. CT / 07 Chip Mixer



CONSTRUCTION

In ½ Bag Capacity Mixer. The complete Drum is fabricated from M.S. Sheet and cast iron. M.S. Blades are provided for uniform mixing.

- DRUM SPEED : 25 to 30 RPM 2 HP 1440 RPM
- MACHINE SIZE : 180 cm x 75 cm x 138 cm



BLOCK CUTTING MACHINE

TROLLY

PLATE VIBRATOR MACHINE



SPECIFICATION :

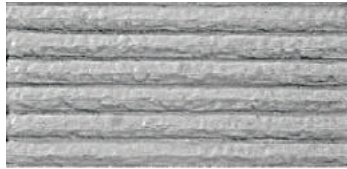
CAPACITY : Upto 100 mm thick, 250 mm length

POWER : Hydraulic Manually Operated

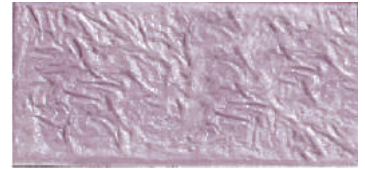
Elevation Wall Tiles Moulds



1 250 x 125 mm



2 250 x 125 mm



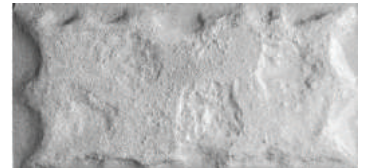
3 250 x 125 mm



4 250 x 125 mm



5 250 x 125 mm



6 250 x 125 mm



7 250 x 125 mm



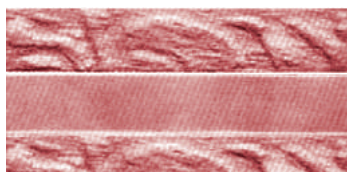
8 300 x 150 mm



9 250 x 125 mm



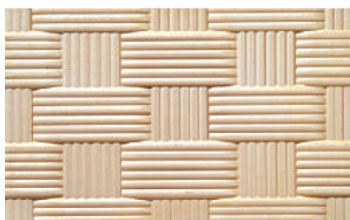
10 300 x 150 mm



11 300 x 200 mm



12 300 x 200 mm



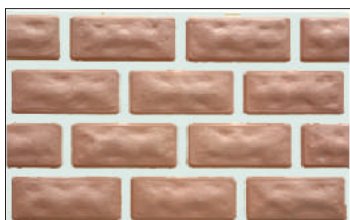
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14 300 x 200 mm



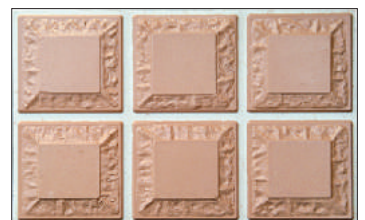
15 300 x 200 mm



16 300 x 200 mm



17 300 x 200 mm



18 300 x 200 mm



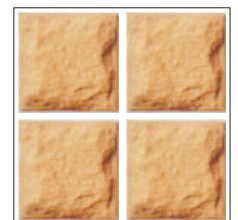
19 300 x 200 mm



20 250 x 250 mm



21 250 x 250 mm

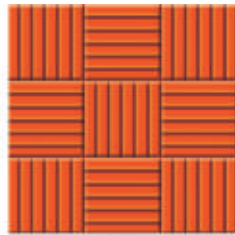


22 250 x 250 mm

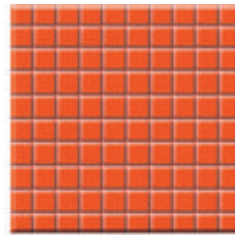
Chequered Tiles Moulds



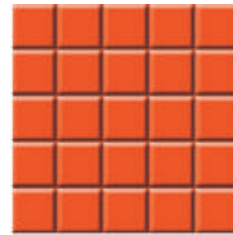
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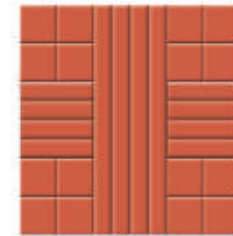
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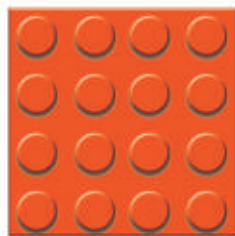
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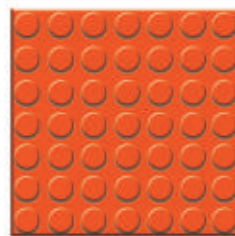
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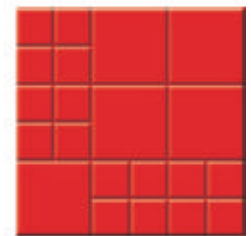
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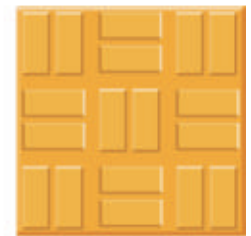
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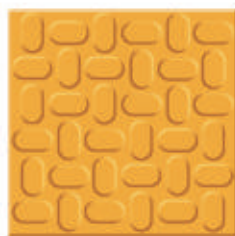
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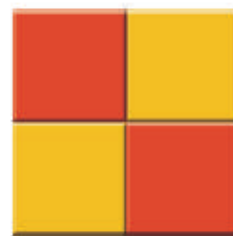
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Chequered Tiles Moulds



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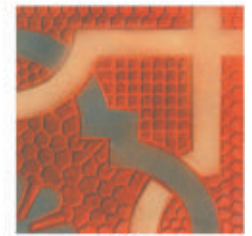
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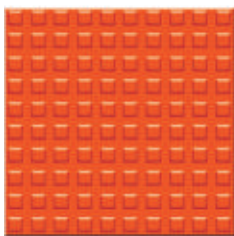
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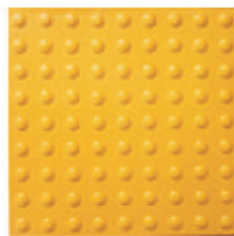
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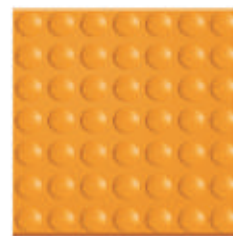
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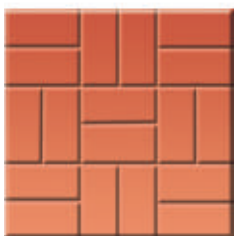
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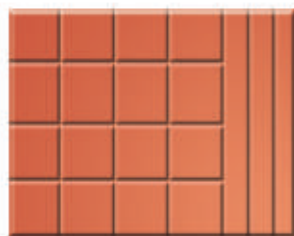
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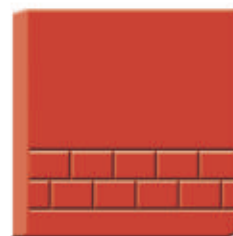
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56-STEP



57-STEP

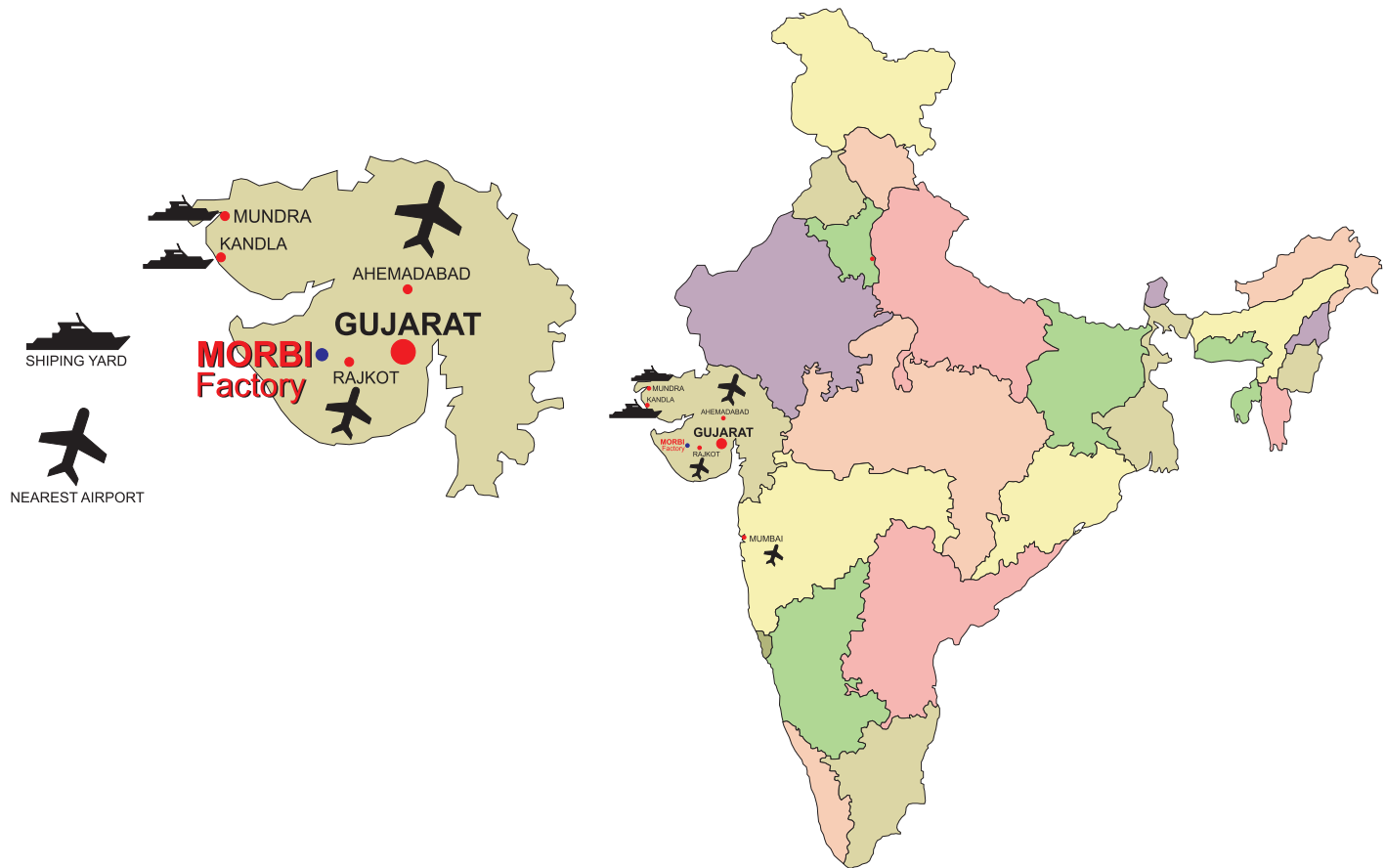


58-STEP



59-RISER

Rajkot Railway Station	29 Km.
Rajkot Airport	39 Km.
Surendranagar Railway Station	80 Km.
Ahmedabad Airport	200 Km.
Kandla Port	190 Km.
Mundra Port	235 Km.
Navlakhi Port	101 Km.
Pipavav Port	212 Km.



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