



JKTILES MACHINERY

An ISO 9001:2015 Certified Company.

It All Starts With

THE ENDMOST **CONCRETE** PRODUCT **SOLUTION**



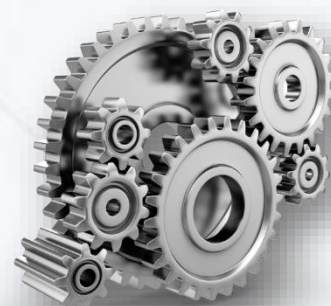


REVOLUTIONISING **CONSTRUCTION**



SINCE 1990

Machinery with brains



India's Largest Chain of Machinery Manufacturing for making All types of **Pavement Tiles, brick, CC Blocks in secondary** industry Sector of manufacturing, Our national presence in **5 Major Indian States** -

- Bengaluru, Karnataka
- Hyderabad, Telangana
- Guwahati, Assam.
- Noida, Uttar Pradesh
- Delhi NCR
- Bhubaneswar, Odisha

JKTM Specifications

Prospectus Overview

- ▽ Endmost Concrete Product Solution
- ▽ Enthusiasm Customer Priority
- ▽ Incomparable product.
- ▽ Innovating Automation's

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PRODUCT At a Glance

Jk-BRICK+PAVER MASTER 1430 DSAT DOUBLE STATION

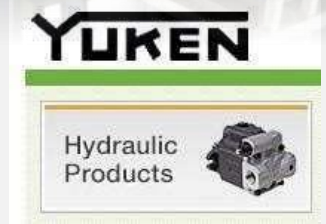
(Semi- automatic paver & brick manufacturing Plant with Superior Dimensional Accuracy of the finished product)



*"Pinnacle Of Precision In manufacturing the
Finest Bricks and Paver Blocks -One Mega Machine"*

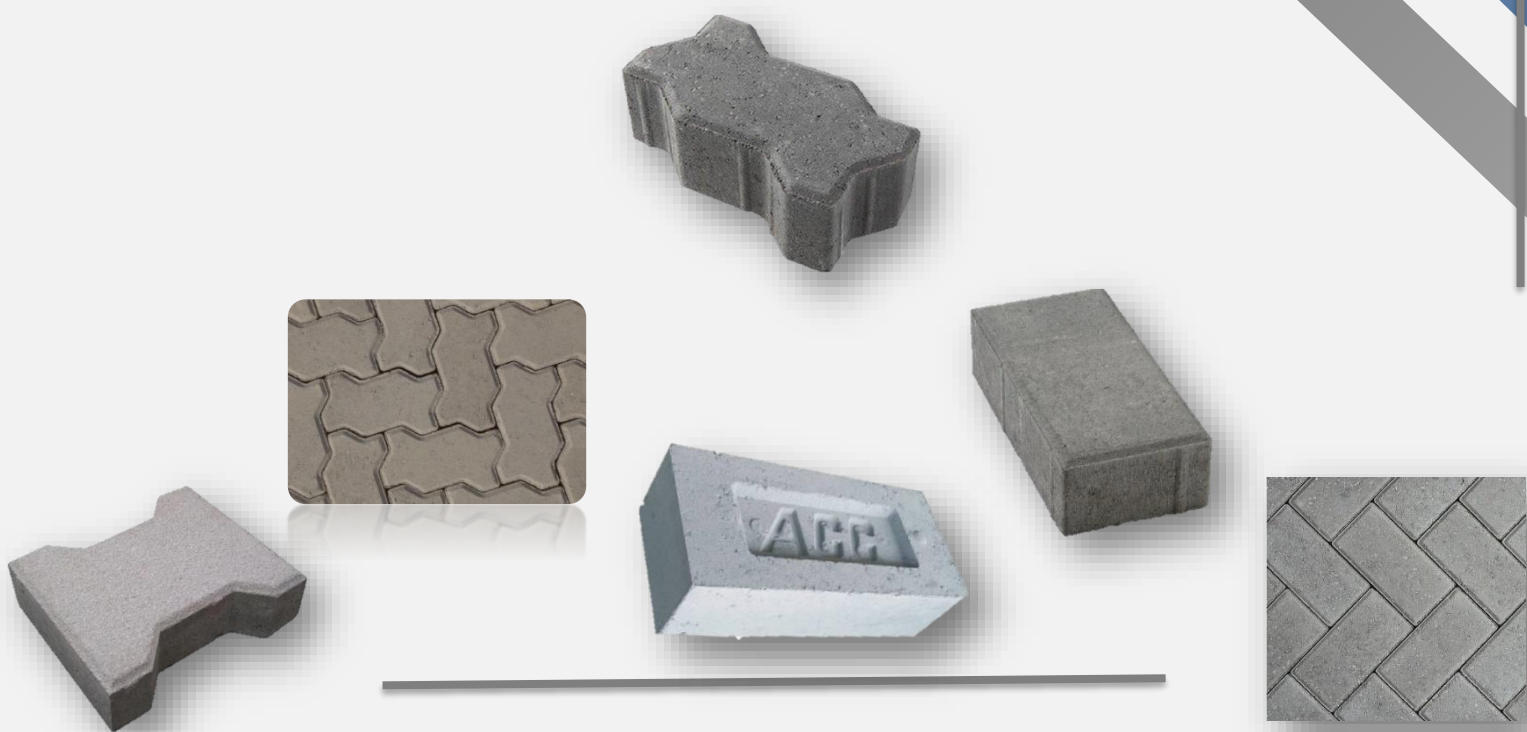


Esteemed Machinery product partners



Note: All The Companies Given Above Are Only Our Manufacturing Partners, Which Provide Us All The Parts For The Manufacturing Of Machinery. These Includes Crompton™, Unbrako®, Dunlop™, Yuken®, Rexroth™, Schneider™, rajhans, ABB, etc.

A Glimpse Of End Products Made From Jk-HYDRO VIBRO Paver Master Double Station DSAT-1430 4+3 Semi Automatic



Machine Features & All Specifications :- JKTM- PAVER MASTER HYDRO VIBRO DOUBLE STATION DSAT-1350 4+3 SEMI AUTOMATIC.

| | |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Multi Blocktech double station | Double station equipped with two side Multi types of Brick & PAVER Block Manufacturing capacity. |
| Vibration Tech. | HYDRO Vibro compaction technology Motor for powerful vibration system. |
| EN-8 carbon steel Rods and cylinders | High Carbon Engineered steel (BS 970 080m40) has high strength levels compared to normal bright mild steel, due to thermo-mechanical rolling, Non-bendable metal tempering and quenching process. |
| Auto. Vibration and Hydraulic operation | Automatic timers/relays and switch gears for hydraulic and vibration are installed in PLC to perform smooth & efficient vibration to executive the best compact and equal strength of each blocks/Bricks |
| Pressure control | Equipped with The oyler/yuken anticlockwise displacement vane pump designed for use in hydraulic systems where a reliable and efficient flow of fluid is required. With displacement of 50 cm3/rev with 15 Liters oil tank capacity and two mobile lever operated valves. |
| Pan Concrete Mixer | Pan mixer with 400kg. mixing capacity and 7.5 hp motor with warm reduction gear box capacity 19 Liter for speedy & smooth material mixing. |
| Auto pressing power pack system | Automatic Conveyor Belt System Controlled By PLC panel. |
| Block ejector system | Manual lever valves powered by power pack for ejection of the final end product |

JKTM-DSAT – 1430 4+3 PAVER + BRICK Master Main Machine



Machine Dimension (L x W x H): 1520mm x 1195mm x 1560mm

Machinery total power: 7.5 Hp

Motors Brand : Havells / Crompton® Greaves

PLC panel: Equipped with auto vibration and auto travel operation also Branded Load Contractors, MCCB, Delay timers, push start/ stop buttons for all motors are installed

vibrator type – Double Vibration twin Drive vibro tech.

Hydraulic Rods- EN-8 High Carbon Engineered steel (BS 970 080m40).

Body Frame:- All Heavy duty Metal MS 31 grade MS Angles And Channels from VIZAG & SAIL LTD. MS PIPES & tubes from Apollo brand, & MS Sheets From TATA, JSW SAIL Etc.

Pan Mixer



| | |
|---------------------|-----------------------------------|
| Dimension | : 1524mm X 450mm |
| motor | : 7.5 HP Crompton® Greaves |
| Gear Box | : 21 liters |
| Blade System | : Roller / Blade |
| Capacity | : UPTO 400 Kgs |

PLC Computerized Panel



Electronic Parts: All heavy Load contractors, MCCBs, Delay timers, switch circuits, start/stop buttons, complete wiring and other electronic or electrical components are supremely branded.

Panel Body: Dust & vermin proof Panel suitable for bottom cable entry.

Vibration Auto:- Auto-timer vibration facility with limit switch safety feature.

Main Hydraulic Punch



: 4 cavity Brick 225mmx100mmx75mm etc. Cavity Punch & 3 cavity zigzag 220mm x110x60/80mm

: 31 grade iron.

: 5 times High Density Tempered oil and water tempered IRON

: HSS (high speed steel) coating on the surface of the brick for long life and best durability

Hydraulic pressure Control mobile Lever valve block set



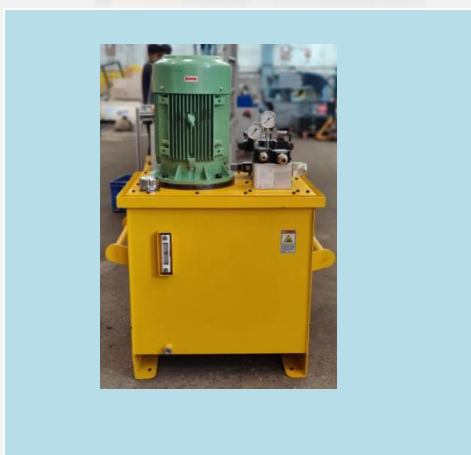
: Streamline your concrete production with our advanced main feeder system. The integrated hopper ensures precise and consistent material flow, guaranteeing accurate batching and superior quality concrete every time. Its compact design and efficient operation minimize waste and maximize productivity for optimal project delivery.

MS Angles And Channels from VIZAG & SAIL LTD.



HYDRO VIBRO Technology

- : HYDRO VIBRO Technology for Best Strength, Dimension Accuracy, Best Impression and Compaction of the raw material in each brick and paver blocks.
 - : Heavy duty one Mega Vibrators
 - : High Density EPDM Tempered iron Fittings for Anti-shock and absorption
 - : 1.5 HP Vibration motor connected
- Hydro Vibro technology for Best Compaction, Strength, Height Accuracy, Corner Finishing & Dimensional Accuracy.



Pressure Power Pack Assembly

- : 7.5 Hp Pressure induction motor
- : 510 liters oil tank capacity
- : Crompton® Greaves 7.5 Hp Heavy Duty Induction Motor to Give Best Pressure
- : HYDRANK® /REXROTH(BOSCH) Automatic PCM Pressure control electro-magnetic valve.
- : Heavy Duty Anti-heat hose pipe and fitting
- : Heavy Duty rajhans/techno land oil seal.
- :



Finished Product Ejector System

Maximize efficiency with our automated ejector system. It rapidly and precisely discharges finished concrete products from molds, eliminating manual labor and accelerating your production cycle. Minimize product damage, increase throughput, and ensure consistent quality with this essential automation solution.



Main Base Hydraulic cylinder operated by PLC computerized Panel

Introducing first EN 8 Anti Heat/Bend Hydraulic technology to achieve -

- Best Strength and Designed Impression on Each piece.
- Précised Dimensional Accuracy.
- Uniform Size with Controlled Height.

Maximize efficiency with our semi automated Hydraulic cylinders punch and Cavity System. Guided rods with en8 grade rods and bushes for extreme durability.

Building an **Eco-Green**
Future



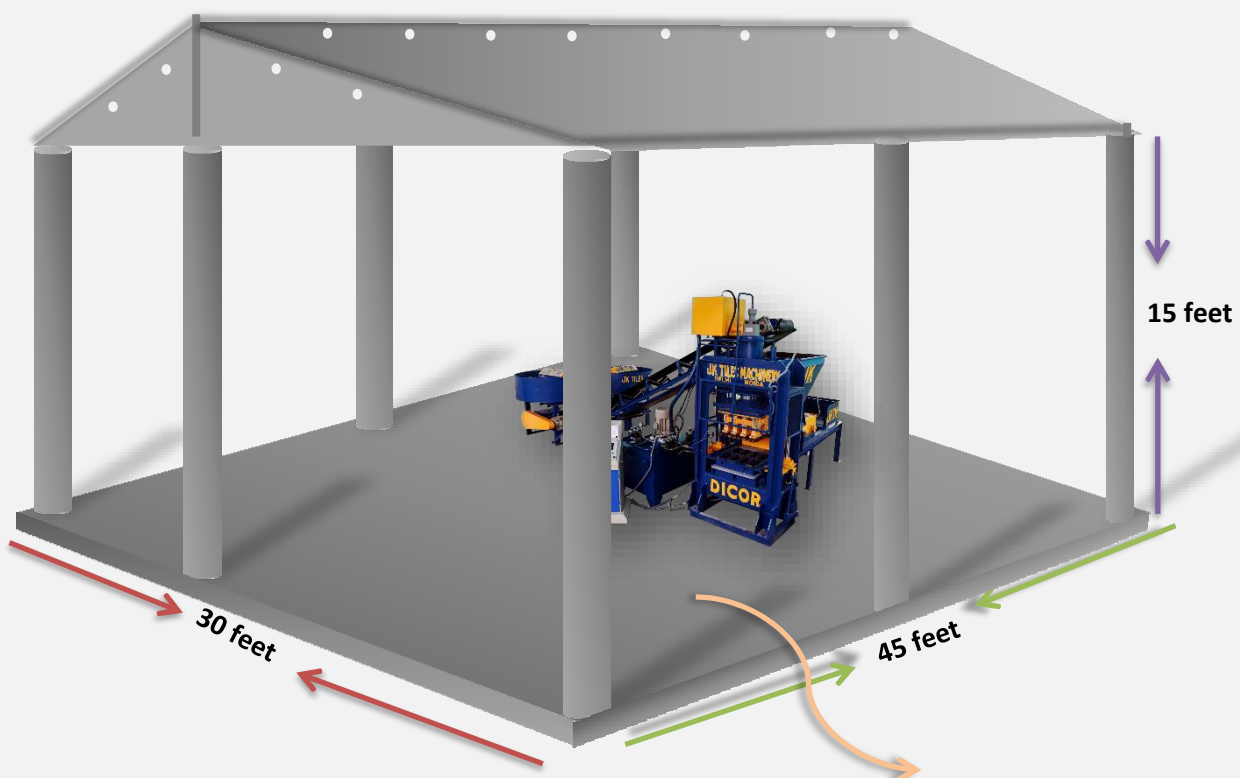
JK Tiles Fly Ash Cement Bricks
#GreenConstruct!Day

**Sustainable Choice,
Lasting Impact**



JK Tiles Certified Ash Bricks
#ReduceWasteBuildGreen

Shade Area Complete Mapping




ConcreteBaseDimension (LXBXH):- 40' X60' X5

Electrical, Production & production for JKTM-SAT- EVEREST EV1600 Block Master machine.

Electricity Source Required (3 Phase 440 volts).

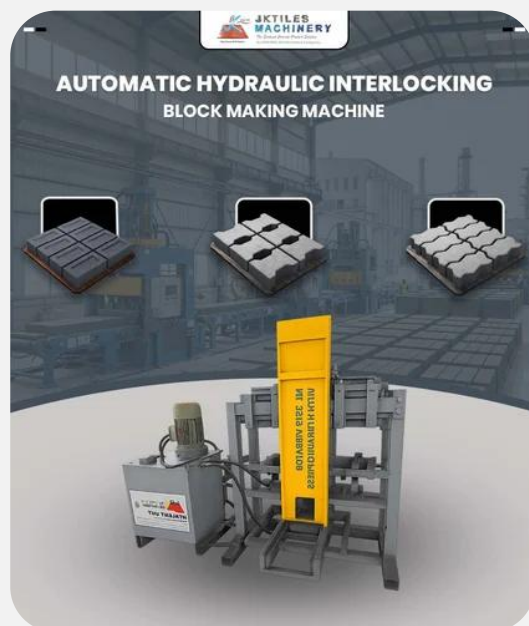
| 1. Electricity (common) | 2. Diesel Generator(D.G) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total Machine Power load (including mixer): 15 (HP) Electric meter Required : 10.5 (KW) Machine Power Load :- 7.5 Hp ,Mixer Power load :- 7.5 Hp | Total Machine Power load : 15 (HP) Diesel Generator (D.G) Required : 21(KVA) |

Concrete End Products Standard Sizes & Production Output Table

| Concrete Products | S.no | | Sizes | | | No. Of Blocks/S troke | Total No. Of Blocks In 8 to 9 hour shift (approx. *ref. to note.) |
|-----------------------------------------------------------------------------------|------|---------------------------|-------|-----|----|--------------------------|----------------------------------------------------------------------|
| | | | L | W | H | | |
|  | 1. | Flyash Bricks | 225 | 100 | 75 | 4 | 3500 pcs to 4800 pcs (approx.) |
| | 2. | Cement bricks | 200 | 100 | 75 | 4 | 3500 pcs to 4800 pcs (approx.) |
| | 3. | Rectangular Flyash Bricks | 200 | 100 | 75 | 4 | 3500 pcs to 4800 pcs (approx.) |
| | | | | | | | |
| | 1. | Zig Zag | 220 | 110 | 80 | 3 | 2160 pcs to 3600 (approx.) |
| | 2. | I shape | 200 | 165 | 80 | 2 | 1440 pcs to 2400pcs.(approx.) |
| | 3. | Big fly ash brick | 250 | 125 | 75 | 3 | 2160 pcs to 3600 (approx.) |
| | | | | | | | |
| | | | | | | | |

***Note :- (8-9 Hours production) (2 to 3 cycles per minute 400means 4 bricks or 3 zigzag per cycle depending upon number of labours and there manpower speed, batching input speed to mixers, conveyors & hopper.)**

Demonstration At a Glance



JKTM-PAVER MASTER DOUBLE STATION DSAT- 1350 4+3 SEMI AUTOMATIC Block Master Jk-Block Master Everest EV1600 Hydro-Vibro solid/hollow

1. Triple Vibration twin drive technology:- The Semi-Automatic Block Making Machine utilize **Double Vibration twin drive technology** , Keeping the precise and parallel movement between tamper and mould and avoiding its deformation. With the twin drive double vibration, major advantages are **accurate height precision, overall dimension accuracy of all the blocks, ultimate compaction of the concrete by removing all air pockets** the product gives proper control on the immediate start and half of the motors, preventing the motor from overheating caused by long term operation. As the vibration efficiency increases, The production rate will rise correspondently.

2. Double High Dynamic Directional Valves. This semi- automatic block making machine utilizes double proportional and directional Valves with high activity to regulate the oil flow and pressure by mobile lever valve efficiently, which plays a buffer role in the process of production. And this kind of design of machinery can ensure the stable production and prolong the lifetime and durability of all parts of machine.

2. Hydraulic movement Shafts EN-8 Metal:- High Carbon Engineered steel (BS 970 080m40) has high strength levels compared to normal bright mild steel, due to **thermo-mechanical rolling, metal tempering and quenching process**.

3.PLC Control System with Remote control feature. Electrical system machinery equipped The control system is of Easy operation and low failure ratio. The machinery is equipped with data input and output device and data formula function. The visualized controls at front panel are characterized by simple operation. The All-electrical components like contractors, relays, switches even buttons on Control Panel are from Standard Makes Which give high performance and execute all operation efficiently.

4. Shaft Rotation & Compulsory Feeding The Automatic block making Machine is designed with the feeding device rotating at high speed. The raw can be blended evenly to make the blocks with optimal density and intensity.with uniform feeding the product is available in utilization different raw materials and moulds. The feeding frame bottom plate & mixing blades are made of high-duty HARDOX Steel, which strengthens the sealing performance and prevent the material leakage. The discharging gate is controlled by feeder reverse/forward system.

5. Heavy Duty Structure and wear resistance Molds. Heavy duty structure and wear resistance moulds adopts CNC & Wire Cutting to Make sure paver size accuracy. Carbon-dioxide welding for crack resistance with heat treatment and carburization, sand blasting and other machining Process. It becomes more robust and resistant to the frequent & strong vibrations. The hardness reaches up to HRC52. In addition to heat treatment, we use stress relief process as another protection to the moulds and the other main parts of the machine.

6. High- Precision Guide Bearing & Highly Efficient Hydraulic System High-Precision guide bearings are used to assure the precise movement between the temper head and the mould. Heavy duty machine frame uses high-intensity steel and advanced heat treatment for making wear resistance. The Hydraulic pump & valve are from international brand. Adopt high-dynamic Proportional valve and constant output pump to adjust the oil speed & pressure, With the features of high-stability, high-efficiency and energy-saving

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