

Machinery With Brains



JKTILES MACHINERY

Machinery with brains

Manufacturing Machinery With Brains In –

- Bangalore
- Noida, U.P
- Hyderabad, Telangana
- Guwahati, Assam
- Bhubaneshwar, Odisha

J K T M

Prospectus | Overview

- ▽ Innovating Automation's
- ▽ Enthusiasm Customer Priority
- ▽ Incomparable product.

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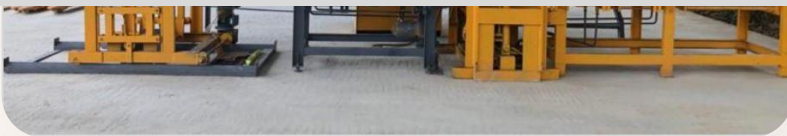


PRODUCT



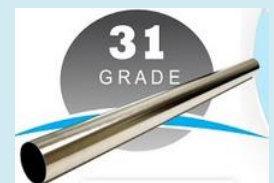
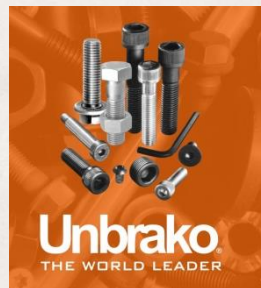
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Batching plant side view



Model No: JKTM-FAT-21 CVT LEGENDER
Fully Automatic Hydro-Vibro
With Complete Auto Batching unit

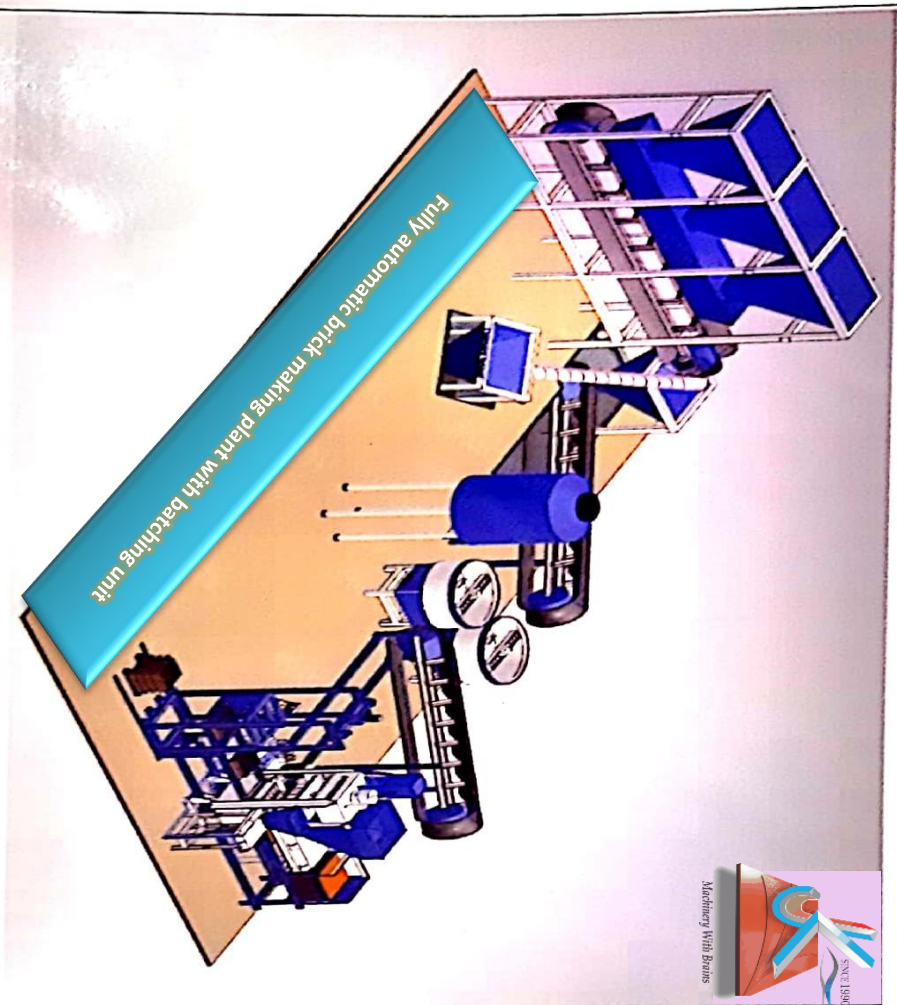
Esteemed Machinery product partners



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®, Rexorth™, Schneider™, Trust Seal©.

Complete Batching Unit

(Mandatory need of model JKTm 21 CVT)



Main Features:

- Fully Auto. latest technology computerized panel board with Batching, Auto. Stacker & Double feeder facility programming system.
- Fully Automatic Multi Brick & Block Manufacturing capacity.
- Double Feeder & Double Cylinder System.
- Batching Plant with Auto. Weighing and distributing material accuracy, rapid speed, good control ability and easy operation.
- Auto. Pallets Stacking system for speedy & smooth operation.
- Hydraulic lifting trolley for easy material handling process.
- Fitted with special hydraulic loading unit, readily realize mass and fully automatic production, saving a great deal of human power, maintenance field and circulating fund investment.
- The moulds are changeable and it is able to produce various kind of blocks, bricks, interlocks, pavers and kerbstones in different types, sizes, shapes and color layers.

MODEL NO.	BHF-100 (30cvt.)	BHF-100 (24cvt.)	BHF-100 (18cvt.)	BHF-100 (15cvt.)	BHF-100 (12cvt.)
Electricity Requirement	88 Hp (65.62kW)	78 Hp (58.16kW)	72 Hp (53.69kW)	69 Hp (51.45kW)	64.5 Hp (48.10kW)
Production capacity	—	—	—	—	—
Fly Ash Brick 230 × 110 × 75mm (9" × 4" × 3")	30cvt. 5,000nos.	24cvt. 4,000nos.	18cvt. 3,000nos.	15cvt. 2,500nos.	12cvt. 2,000nos.
Zigzag Paver Block Standard size 60/80/100/120mm	15cvt. 1,785nos.	12cvt. 1,428nos.	10cvt. 1,190nos.	10cvt. 1,190nos.	8cvt. 952nos.
1 Shape Paver Block Standard size 60/80/100/120mm	12cvt. 1,428nos.	10cvt. 1,190nos.	9cvt. 1,070nos.	9cvt. 1,070nos.	8cvt. 714nos.
Zigzag Paver Block (Without color) Standard size 60/80/100/120mm	15cvt. 2,250nos.	12cvt. 1,800nos.	10cvt. 1,500nos.	10cvt. 1,500nos.	8cvt. 1,200nos.
1 Shape Paver Block (Without Color) Standard size 60/80/100/120mm	12cvt. 1,800nos.	10cvt. 1,500nos.	9cvt. 1,350nos.	9cvt. 1,350nos.	8cvt. 900nos.
Solid Block (14" × 8" × 8") Or any standard size	10cvt. 1,500nos.	8cvt. 1,200nos.	6cvt. 900nos.	6cvt. 900nos.	3cvt. 450nos.
Curbstone 450 × 300 × 125mm Or any standard size	4cvt. 600nos.	4cvt. 600nos.	2cvt. 300nos.	2cvt. 300nos.	1cvt. 150nos.
Hollow Block 400 × 200 × 200mm Or any standard size	8cvt. 1,200nos.	4cvt. 600nos.	3cvt. 450nos.	3cvt. 450nos.	3cvt. 450nos.
Interlocking Brick 240 × 120 × 100mm Or any standard size


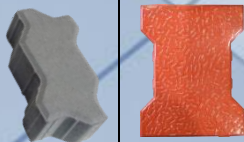
Machine Features JKTM-FAT-21 CVT

LEGENDER Fully Automatic Hydro-Vibro

Multi Blocktech	Multi types of Brick & Block Manufacturing capacity.
Vibration Tech.	Vibro. compaction technology with Vibro. box & Two Motor for smooth vibration system
Double feeder	Main feeder for cement concrete material feeding & Other feeder for Color or Powder
Auto. Stacker	Automatic stacking system for finished goods output on Hydraulic lifting trolley.
Remote control	Inbuilt wifi system attachment for easy maintenance.
Chain system	Chain system in front of machine for speedy finished goods forwarding to stacking system.
Double Pan Mixer	Double Pan mixer with 550kg. mixing capacity each for speedy & smooth material mixing.
Water adding syst.	Automatic water adding system with water pump & Timer.

Production Capacity JKTM-FAT-21 CVT LEGENDER Fully

Automatic Hydro-Vibro

Output production images		Produce	L. (mm)	W. (mm)	H. (mm)	Per stroke(3 stroke per minute)	Per Shift (8-9 Hours production)
Bricks		Fly ash bricks	230	110	70	21 cvt.	40320-45360nos.
		Cement bricks	200	100	100	21 cvt.	40320-45360nos.
Paver block		ZigZag paver	225	112	60-100	18 cvt	34560-38880nos.
		I Shape paver	200	165	60-100	15 cvt.	28800-32400nos.

Machinery Parts Specification_JKTM-FAT-21 CVT LEGENDER Fully Automatic Hydro-Vibro

1. Main Machine & Technology



- : Heavy MS steel plate Body 22 to 25mm thickness, Hydraulic Main jack & Two Side cylinder with Hydraulic oil seal Technoland / Rajhans.
- : 330 to 350 Tones Pressure with Vibration, Automatic Feeder facility, Sensor System Machine, Auto. Stacking system & Auto. PLC based Comp. Panel board system.

2. Power pack



- : Hydraulic Pressure 330-350 Tonnage.
- : 20 HP JKTM Motor (Own Brand) For Main power pack with copper winding.
- : 700 Liters Oil Tank with Oil Cooling System.
- : Yuken® Plunger Pump.
- : Pressure Meter Scientific/Micro.
- : Sonoligh Control Valve Rexorth.
- : Bosch Speed Gear Pump.
- : Hydraulic Jack Oil Seal Technoland/ Ranjhans.

3. Automation PLC Panel With Remote control



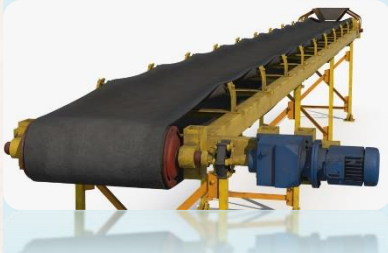
- : (EPCS) Electronic Pressure Control System.
- : MS Steel Sensor System With Auto Stop Facility.
- : (HSCS) Hydraulic Speed Control System.
- : Electronics Parts By Siemens® & Delta.
- : Dust & vermin proof Panel suitable for bottom cable entry.

PLC Unit

For Fully Auto Batching Plant

Other Important Features :- Electronics pressure control volume system. - MS steel sensor system with Auto stop facility. - Hydraulic speed control system & Vibrator control system. - Emergency Button, Stroke calculator, Delay Timer, LED & Display. - Facility to operate the machine in Automatic & Semi Auto. - Electronics parts Siemens, Schneider and Delta. - Panel is dust and vermin proof, suitable for bottom cable entry. - Each motor feeder have a MCCB(35KA) for overload and short circuit protection.





4. Conveyor belt System

Dimension(Belt) : 6600mm X 450mm X 10mm
 motor : 3 HP
 Gear Box : 3 liters

- To feed the mix from the pan mix to the Brick, Press: Capacity 2 Tons / hour Power (Motor) Bottom End 2 hp. 1440 RPM Crompton motor Storage intermittent Bin flow Regulation By heavy rollers Gear Box 300 - 30 *1 RPM



5. Auto Stacker System

1. Automatic pallets stacking system for smooth & speedy operation.
2. Power require 5 HP (1 Hp + 1 Hp + 1 Hp).
3. Hydraulic Lifting system for running the stacker.
4. Controlled by variable frequency drive



6. Color mixer Machine

- Capacity : 100 kgs to 125 kgs / Per Batch Power (Motor): 2 Hp. – 1440 rpm Crompton/Havells Motor Manufacturing: Mixing of raw Materials of Top Layer Rubber Mould, Paver Block.



7. Hydraulic Trolley

Hydraulic Trolley Manufactured using high-grade raw material, These Trucks are known for their high performance, Durability, strong construction and low maintenance. - Hand operated Hydraulic system.



8. Twin Shaft Pan Mixer Machine



- High robustness and reliability. Identical and interchangeable anti wears liners and Blades with high chrome alloy steel.
- Effective mixing characteristics in radial, vertical and circular directions.
- Heavy duty Gear Box with Motors.
- End Arm Paddle with Hard Facing.
- Reduced wear with aerofoil Arm Design.
- 20 HP Crompton / Havells motor.
- Mixer Body Full Machining on Boring Machine for Complete Alignment. Hydraulic door open system with Small Power-pack & 2Hp motor.

9. Batching Plant with Complete set (Three bin system & Cement Hopper)

MS Steel Plate 6mm use for Mfg. of Batching Plant with Three Bin Hopper (5500kg. to 6000kg. capacity each) facility for different types of Material mixing with Proper Ratio,



- Power: 5 Hp in Main Conveyor Belt motor, 1Hp Vibro. motor in Three hopper Jar (3 Hp), 1Hp Vibro. motor in Three hopper (3 Hp), 1Hp motor in Three Small conveyor belt (3 Hp) & 3 Hp for Main conveyor belt from batching to mixer machine, So Total Power required 17Hp.
- Electronics control system with Auto. Weight Load cell, Load cell conveyor size 800m x 10m (24feet).
- Rigid construction of main chassis fabricated from rolled mild steel material.
- Cement storage hopper type Scrue conveyor 15 vertical type 2Hp motor with gearbox.
- Loading of Aggregate/Sand Hoppers by Wheel loader/ Conveyors/ Manually.
- MS steel sensor & Vibrator control system.

Electrical Requirements

Electricity Source Required (3 Phase 440 volts).
Total Machine Power Load = 85 Hp

1. Electricity (common)	2. Diesel Generator(D.G)
Total Machine Power load: 44HP (batching plant extra unit) Electric meter Required : 44 (batching plant extra unit)	Batching Machine Power load : 41HP (batching plant extra unit) Diesel Generator (D.G) Required : 88 (KVA)



Company Add :

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jktilesmachinery3@gmail.com

jktilesmachinery2@gmail.com,

Website : www.Jktilesmachinery.com, www.jktilesmachinery.co.in, [/same.org](http://same.org)

Mob : +91 9618440701

+91 9880513018

Invoice And Shipping Address :

Standard Prospectus and
standard Estimation

Quotation # 100011

Quotation Date 09-03-2024

Plant Type: JKTm-FAT-2200 EVEREST

Salesperson : Iqbal Khan

Payment Terms: CHEQUE.NEFT.DD

Client code : JKNID1559864

MACHINERY

S.no.	Description	Quantity	Unit price	Amount
1.	JKTm-FAT-2200 EVEREST Fully Automatic Hydro + Vibro Block and Brick Machinery with VIBRATION Technology, Main Hydraulic Machine.	1 Unit		
2.	Die Set for block With punch and molds size LxWxH in inches 18 cavity per stroke.	1 SET		
3.	JK Color Secondary Feeder Machinery System for color layer (Specs ref. above)	1 SET		
4.	JK Concrete Main Feeder Machinery System for Concrete Layer (Specs ref. above)	1 SET		
5.	JK Conveyor Belt Machinery System	1 SET		
6.	JK Pan Mixers Roller/ scrapper Blade type with 10Hp + 10Hp total 20 Hp Motor and warm Reduction Gear Box . Safety Grill fitted above pan mixer	2 PCS		
7.	Pallet feeder system with Automatic Photosensitive Sensor gives empty pallet alarm.	1 SET		
8.	Hydraulic power pack powered by 20 HP with Crompton motor, Rexroth® Pressure control valve, solenoid valves and Yuken® Plunger and vein pump .	1 SET		
9.	PLC Panel – Auto Matic Wi fi computerized Panel Delta Make Electronics Parts By Siemens® & Delta®	1 SET		
10.	Batching Plant with Complete set (Three bin system & Cement Hopper) MS Steel Plate 6mm use for Mfg. of Batching Plant with Three Bin Hopper (5500kg. to 6000kg. capacity each) facility for different types of Material mixing with Proper Ratio, - Power: 5 Hp in Main Conveyor Belt motor, 1Hp Vibro. motor in Three hopper Jar (3 Hp), 1Hp Vibro. motor in Three hopper (3 Hp), 1Hp motor in Three	1 UNIT		

	Small conveyor belt (3 Hp) & 3 Hp for Main conveyor belt from batching to mixer machine, So Total Power required 17Hp. - Electronics control system with Auto. Weight Load cell, Load cell conveyor size 800m × 10m (24feet). - Rigid construction of main chassis fabricated from rolled mild steel material. - Cement storage hopper type Scrue conveyor 15 vertical type 2Hp motor with gearbox. - Loading of Aggregate/Sand Hoppers by Wheel loader/Conveyors/ Manually. - MS steel sensor & Vibrator control system.			
13.	Block Shifting Trolley	3 PCS		
14.	Discharge Railing Extension for pallets	2 SET		
14.	Extra Necessary oil Seal Sets, 5 Extra Sensors.	1 SET		
15.	Extra Necessary Complete set of Tool Kit	1 SET		
		Total Estimated Cost Of machinery Plant	Rs. 35,97,000/-	Rs. 35,97,000/-
		Total Batching unit Price	23,45,000/-	23,45,000/-
		Final Total price Machine + Batching Unit	59,42,000/-	54,48,000/-
Note : 1. Above Pricing Is EXCLUDING GST And Tax(GST 18 % EXTRA on all above items.) 2. Transportation to be borne by the client.				

Terms & conditions: -

- 1. Prices are Ex-Works Noida, Uttar Pradesh.*
- 2. Delivery time – 35-40 Days from the date of Advance Payment.*
- 3. 40% Payment as Advance at the time of placing order*
- 4. 60% Remaining payment at the time of delivery or before dispatch. (Then Only tax invoice will be generated)*
- 5. Any Amendments or Items Decrement in this quotation will lead to Regeneration of quotation.*
- 6. The Machinery Carries One (01) Year on Site warranty from the Date of Dispatch.*
- 7. Warranty on the Induction motors will be void if Proper Electrical fittings are not done as per our specification. (Fittings like proper Motor Starter along with Phase Preventers)*
- 8. All Transportation Extra To be borne by Client*
- 9. Quotation will be Revised or Amended if Any item in the quotation is Removed or added (in that case, discount will also be revised).*
- 10. Hydraulic Oil is not included with the machine, have to buy separately from the machine.*
- 11. Production of the machine varies on the practical field as compared to theoretical calculations written on the specification file.*

Actual Site Images



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Few Of Our Valued Clients



IndianOil

IOCL

INDIAN OIL CORP LTD



सेल SAIL

स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED



L&T Construction
Power Transmission & Distribution



Towards sustainable growth



SUGNA
PREMIUM STEEL
Symbol of Strength

FLOWMORE
Flow for life



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India

Praneeth
G R O U P
Trust Inbuilt



Dr. PATNAM MAHENDER REDDY
INSTITUTE of MEDICAL SCIENCES

RAMMOJI
F . I . L . M C . I . T . Y

Electricity Requirement

Particulars	HP / kW
Auto. Hydraulic Power-pack	15Hp / 11.19kW
Main Machine Vibration Motor	20Hp / 14.91kW
Main Feeder Vibration motor	--
Conveyor belt	3Hp / 2.24kW
Twin shaft mixer Machine	20Hp / 14.91kW
Hydraulic door open system	2Hp / 1.49kW
Auto. Stacker System 2+1+1Hp	4Hp / 2.98kW
Color Mixer Machine	2Hp / 1.49kW
Batching Plant system	19Hp / 14.17kW
TOTAL Electric Power Requirement (Three Phase)	85Hp / 63.38kW

All motors Make/Brand are Crompton/Bharat Bijlee/Havells/Shreehari/Deep.

Extra need to Buy Or Arrange



Recycle Ply Pallets

Bharat Recycle Pvc Ply sheet is generally used as Brick Pallets, It's Eco-Friendly Products because prepared from Plastic & wood Scrape Material.

600 pcs.

Rate will be Extra

600pcs. or more as per your requirement
Size will be given after machinery Mfg. work start.

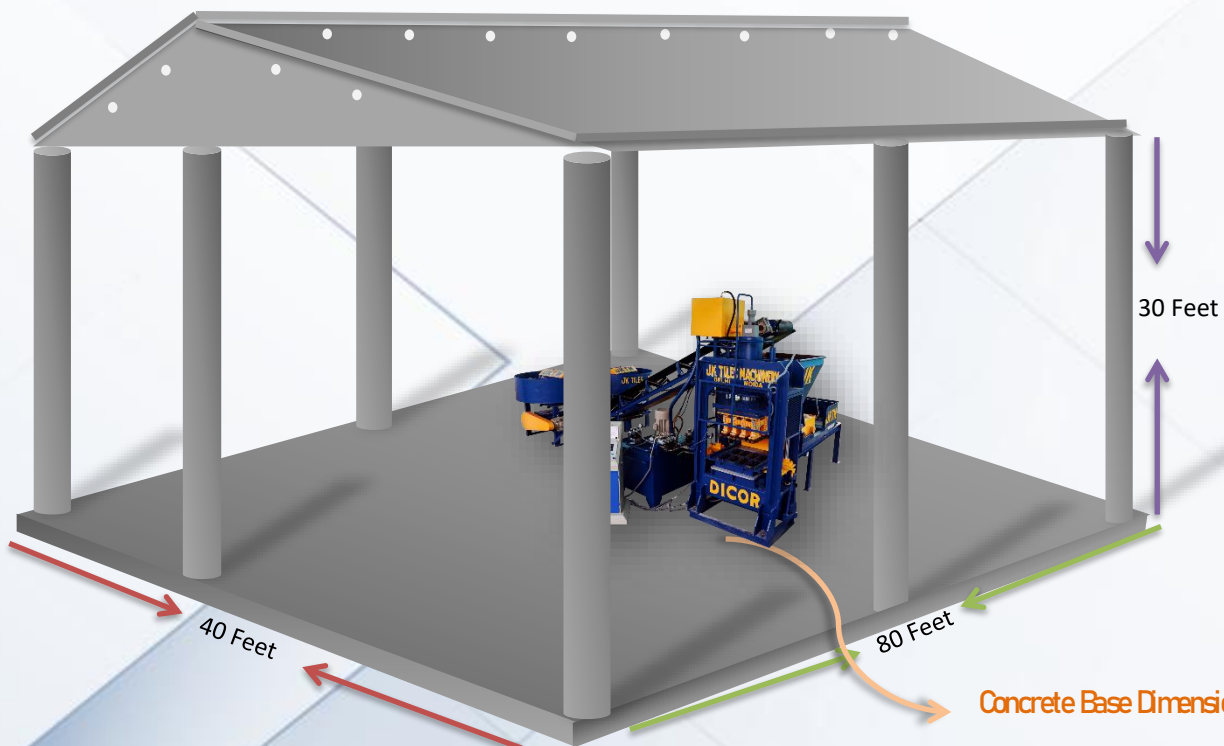
Hydraulic Oil

450 Liters 68no. Hydraulic Oil

450 liters

Note: Hydraulic Oil & Recycle Ply Pallets should be buy from Locally Or We can Arrange but you need to pay extra charges.

Shade Area Complete Mapping



Concrete Base Dimension (LXBXH):-

80' X 40' X 5'

Main Features Of JKTM-FAT-21 CVT LEGENDER Fully Automatic Hydro-Vibro

1. Frequency Conversional Control Technology. The Automatic Block Making Machine utilize the frequency conversion Control technology, Keeping the precise and parallel movement between tamper and mould and avoiding its deformation. With the frequency Controlled vibration, 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. There is 30% power saved by the product under the frequency conversional Control.

2. Double High Dynamic Directional Valves. This automatic block making machine utilizes double proportional and directional Valves with high activity to regulate the oil flow and pressure automatically, protecting the hydraulic cylinder from being damaged, 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 of machine

3. Wecon PLC Control System with Remote control feature. Electrical system machinery equipped is Wecon PLC control System, touch screen and electrical components. 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 touch screen is characterized by simple operation. The Wecon PLC control system has logic control and If any small problem occurs, Problem will be displayed on the touch screen automatically. All electrical components like contractors, relays, switches even buttons on Control Panel are from Standard Makes Which give high performance and

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 Moulds. 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 & High 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

Our Branches

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We Hope You Find Our Above Prospectus To Your Whole Satisfaction By All Terms, We Request You To Kindly Place Your Valuable Orders, Which Receive Our Best Attention And Promote Execution. Hope That We Can Establish A Good Business Relationship In The Nearest Future

Thanks.

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