



虎鼎机械
TIGER MACHINERY

BLOCK MACHINE CATALOG

CHINA



TIGER BLOCK MACHINE REPUTATION IN THE WORLD



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China National High-tech Enterprise



Fujian Provincial Technology Enterprise

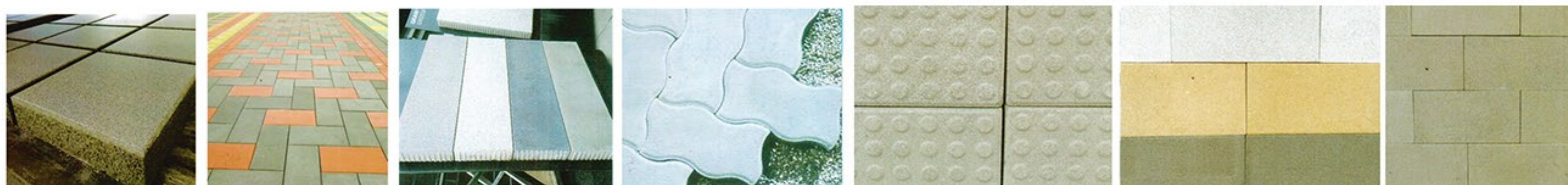
Company profile

FUJIAN HUDING MACHINERY CO., LTD (TIGER)is a profescompany with a long history specializing in manufacture of construction equipment, such as block making machines,hydrauic bnick making machines,concrete mixer, block molds based on sefdevelopment and manufac lure. Since the foundaion of the company we are commed fo develop excelent andinnovative blocks makina technoloay for our clients with stronabelief in powerulof specialization.Our passion is providing high technology and unparalleled service and pass our rich experience to our clients.TIGER MACHNERY stands outwith our ich experience and conslanlyinnovaon. tnot only enjoys an absolte advanl age over other blockmachine brands, but also daims impresive victorieswe believe that TIGER MACHNERY will be unquestionable leader and unchangeable pioneer in the field of block making machines.in competition with world manufacturers.Thanks to our excelent and outstanding talent of engineers, and the unique experience of ourworkers, these block making machines produced by TIGER MACHNERY wil repeat colortul andlegendary history, conguer the hear and sou of our clients al over the word and make an historical contibution to development of the construction equipment.TIGER MACHNERYis dedicated to provide our clients wih timew.convenientand secure senice. e are voureabe patner.a relabe parner is cuca to yoursuess. any succes.

Hydraulic High Pressure Block Making Machine

Tiger hydraulic pressure block making machine adopts unique static pressure hydraulic forming technology, with high and uniform pressure, and has the advantages of good strength of the output products, neat appearance, and large forming area. It is currently the best choice to replace the original vibration forming brick machine in China. Huding static pressure brick machine is a leading brand of environmentally friendly brick machines at home and abroad, and is the preferred equipment supplier for the upgrading of brick factories;

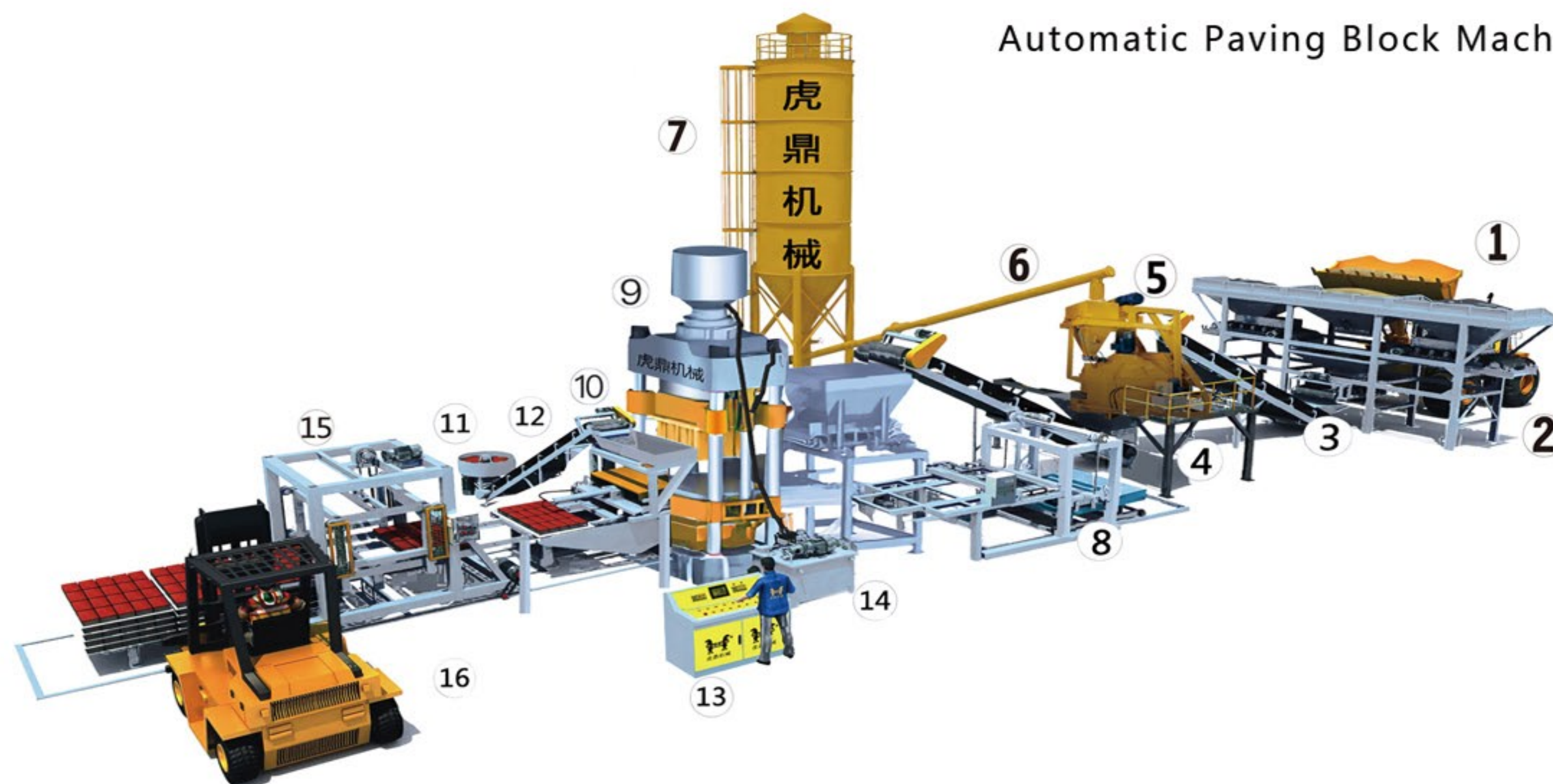
1. Environmental protection, energy saving, low noise, low power consumption, and high output;
2. High equipment stability, easy operation, simple repair and maintenance;
3. International technology three-cylinder strong pressure forming, good product strength, and large forming area;



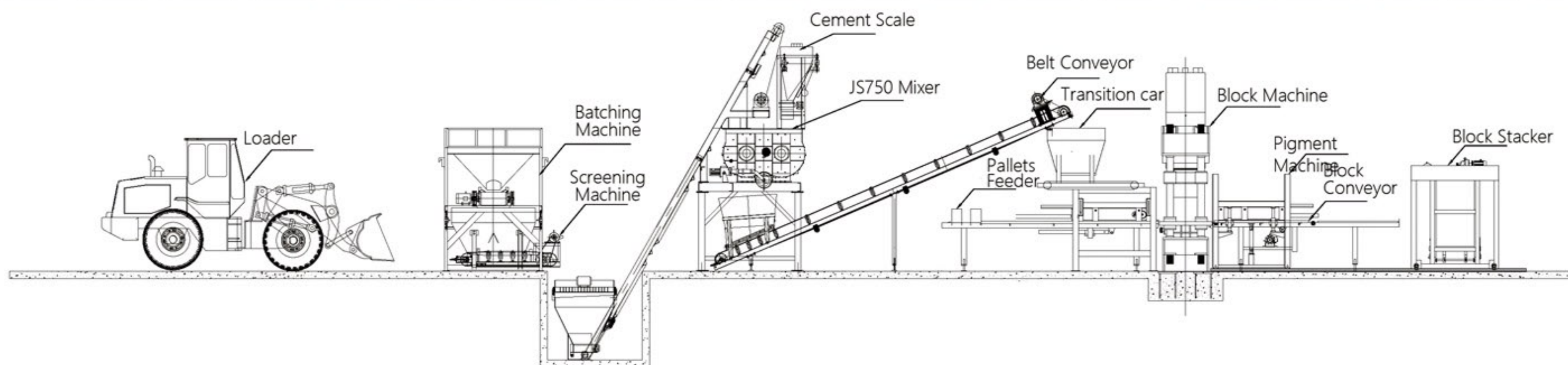
Automatic hydraulic block making machine



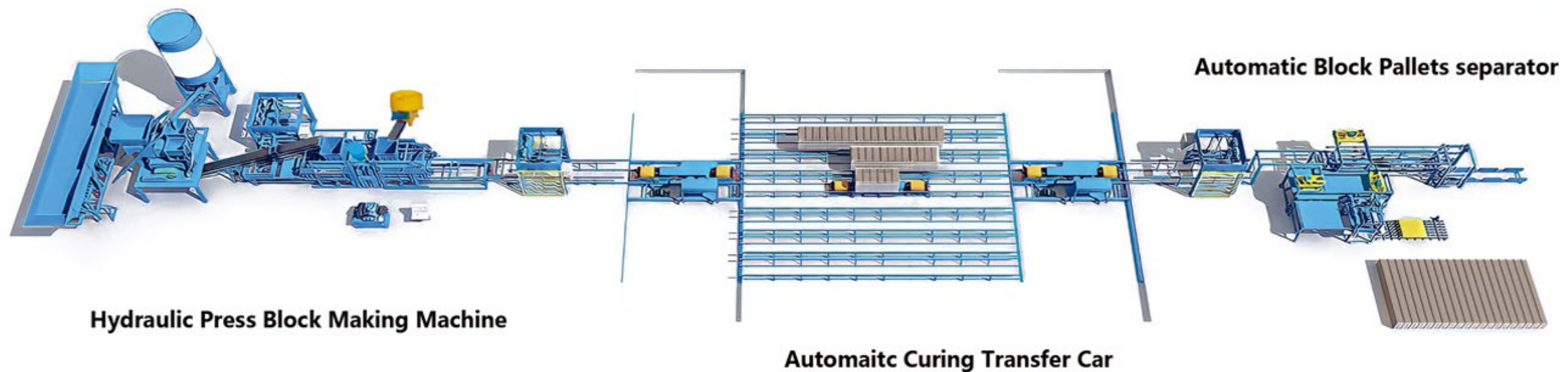
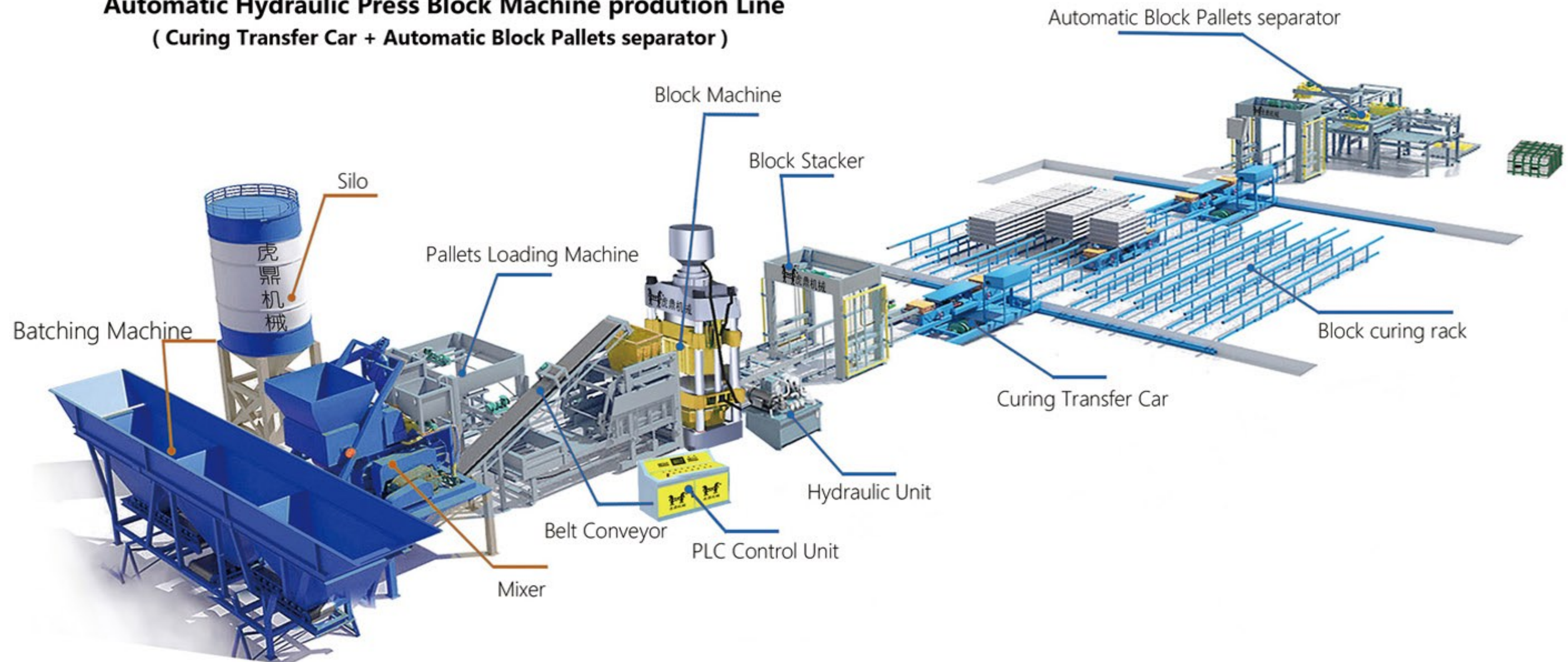
Automatic Paving Block Machine Production Line



1. Loader
2. Batching Machine
3. Belt Conveyor
4. Concrete Mixer
5. Cement Scale
6. Screw
7. Cement Silo
8. Pallets Loading Machine
9. Main Block Machine
10. Pigment Machine
11. Pigment Mixer
12. Pigment Conveyor
13. PLC Control Unit
14. Hydraulic Unit
15. Block Stacker
16. Forklift



Automatic Hydraulic Press Block Machine production Line (Curing Transfer Car + Automatic Block Pallets separator)



HD400T

Hydraulic Block Making Machine

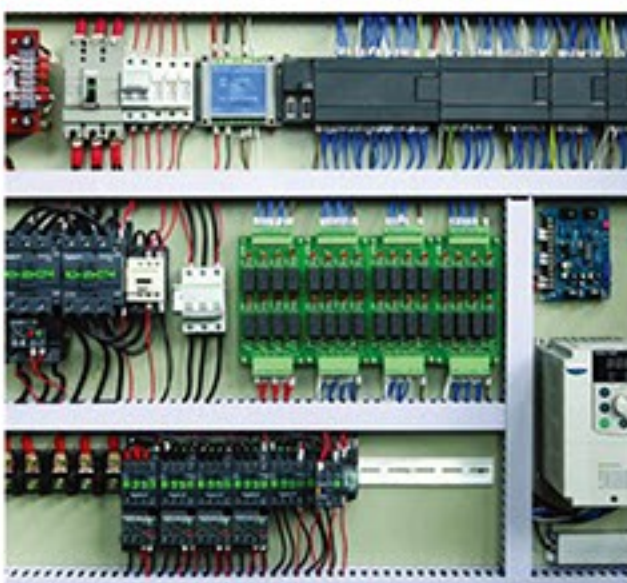
- * construction waste make block
- * washed sand and mud make brick
- * fly ash or ailings to make brick



Machine size	7500 X 4000 X 4200 L*W*H(MM)	Max pressure	31.5 Mpa
Control system	Imported original parts: ABB, Schneider, etc.	Working pressure	20--25 Mpa
Hydraulic system	Imported Yuyan valve: Taiwan-made oil pump	Workshop area	800--1000 m ²

HD600T

Hydraulic Block Making Machine



Electronic control



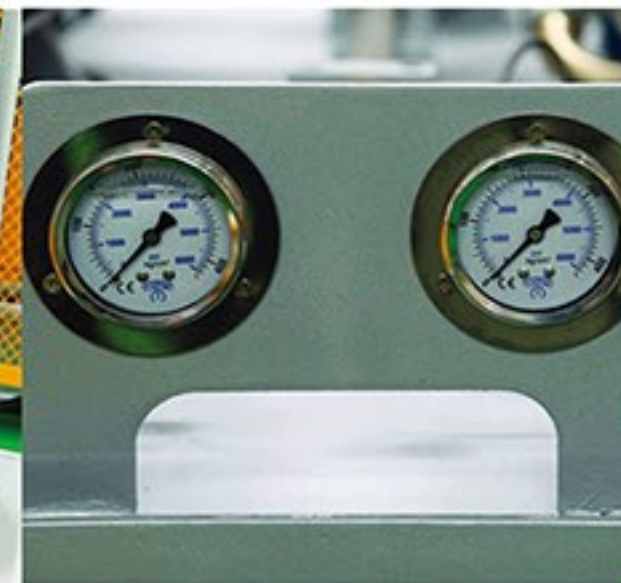
PLC touch screen



Oil pump



Hydraulic valve



Oil gauge



Cone seal joint

HD800T

Hydraulic Block Making Machine



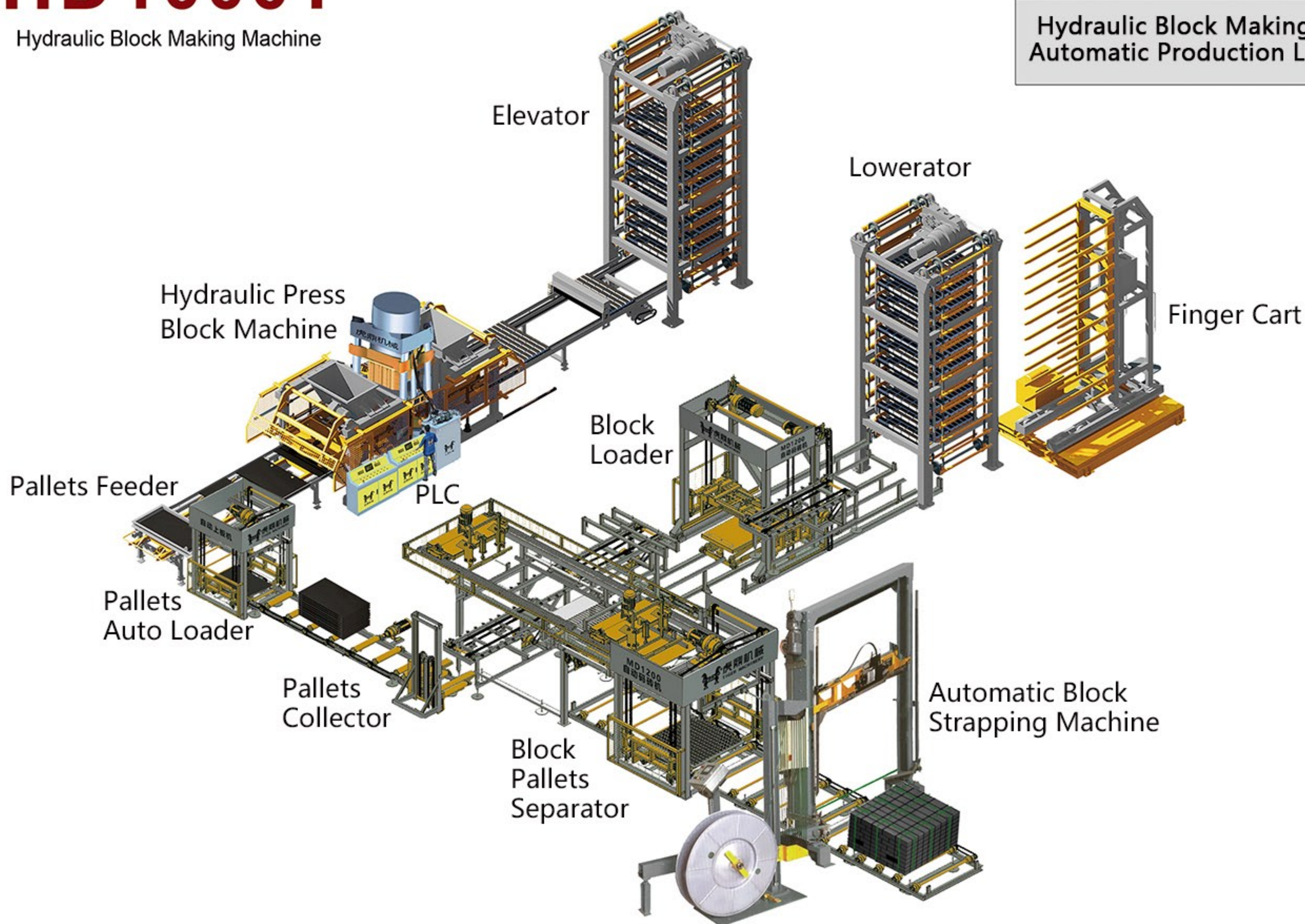
Hydraulic Press Block Machine Technical Parameter (HD Series)

Equipment Model	HD400T	HD600T	HD800T	HD1000T	HD1500T
Standard Brick	30 pcs/pallet	36 pcs/pallet	52 pcs/pallet	72 pcs/pallet	90 pcs/pallet
Paving Brick	21 pcs/pallet	24 pcs/pallet	36 pcs/pallet	45 pcs/pallet	55 pcs/pallet
Remarks	Standard Brick Size: 238x115x50mm; Paving Brick Size: 200x100x60mm; Molding Cycle: Standard Brick 15-20s, Paving Brick : 20-25s				
Maximum Pressure	4000kN (400T)	6000kN (600T)	8000kN (800T)	10000kN (1000T)	15000kN (1500T)
Power of Main Machine	45 kW	53 kW	60 kW	79 kW	110 kW
Hydraulic System Power	22 kW	37 kW	45 kW	55 kW	75 kW
Pallet Size	900x700 mm	1100x700 mm	1100x950 mm 1060x1060 mm	1300x1060 mm	1300x1300 mm
Total Weight	12000 kgs (12 T)	16000 kgs (16 T)	18000 kgs (18 T)	22000 kgs (22 T)	32000 kgs (32 T)

HD1000T

Hydraulic Block Making Machine

Hydraulic Block Making Machine
Automatic Production Line Layout



HD1500T

Hydraulic Block Making Machine

ADVANTAGES:

LOW RAW MATERIAL REQUIREMENTS,
LOW CEMENT ADDITION, NO
VIBRATION OR NOISE, CAN PRODUCE
COLORED BRICKS, HOLLOW BRICKS,
AND CURBSTONES



Fully automatic double-sided static pressing brick machine without pallets

Automatic hydraulic block making machine



Product Introduction

1. Using imported PLC programmable controllers, color touch screens, more user-friendly operating interfaces, parameter guidance, and other practical functions, users can easily achieve human-machine dialogue.
2. Adopting high-performance hydraulic technology from Germany, with a dual motor and dual oil pump hydraulic drive system. Stable pressure, shorter molding cycle, and higher product strength.
3. Adopting original imported hydraulic components and equipped with independently developed highly integrated hydraulic valve plates, the system has stronger performance and more stable operation.
4. The oil pipe connection method adopts a unique buckle connection, which is centrally and neatly arranged, making it easier to install and maintain.
5. Adopting a suspended positioning material truck with low running resistance, it solves the impact of uneven fabric on product forming height.



DOUBLE DIRECTION PRESSURIZED HYDRAULIC BLOCK MAKING MACHINE		
Equipment Model	HSY900T	HSY1300T
Output	36 pieces/pallet	48pieces/pallet
Specifications	238 x 115 x 50 mm	
Maximum Pressure	9000kN (900T)	13000kN (1300T)
Power of Main Machine	110 kW	130 kW
Hydraulic System Power.	75 kW	95 kW
Pallet Size	900x900 mm	1200x1100 mm
Total Weight	22000 kgs (22 T)	32000 kgs (32 T)

Dimensions	8500 x 6000 x 4200 (L*W*H mm)	Max pressure	31.5 Mpa
PLC control system	Imported original parts: ABB, Schneider, etc.	Working pressure	20--25 Mpa
Hydraulic system	Imported Yuyan valve: Taiwan-made oil pump	Workshop area	800--1000 m ²

HSY900T

Hydraulic Block Making Machine



Advantages:

High degree of automation, high brick strength, automatic stacking by robot, saving labor and pallet

HSY1300T

Hydraulic Block Making Machine



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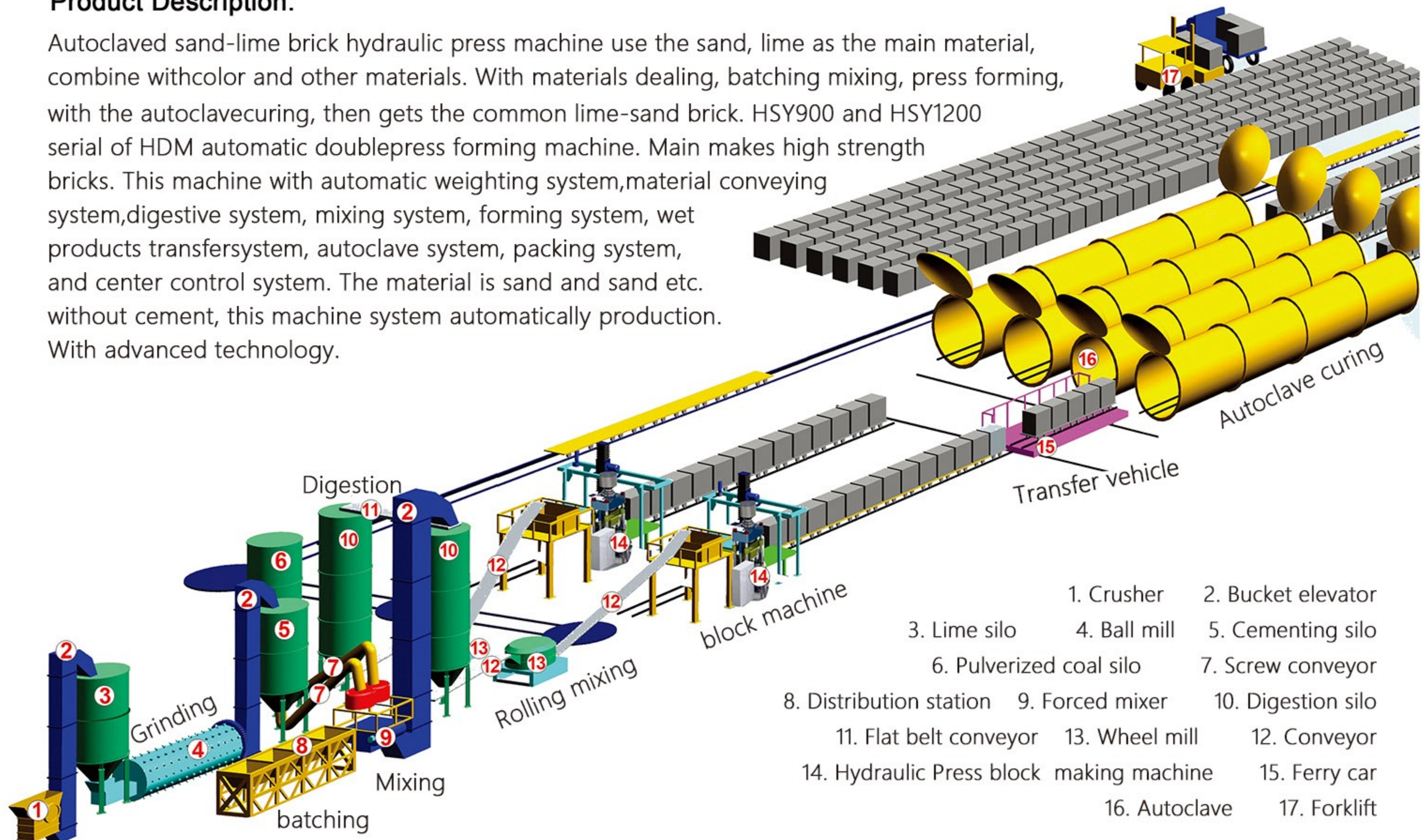
生产线展示
RODUCTION LINE DISPLAY

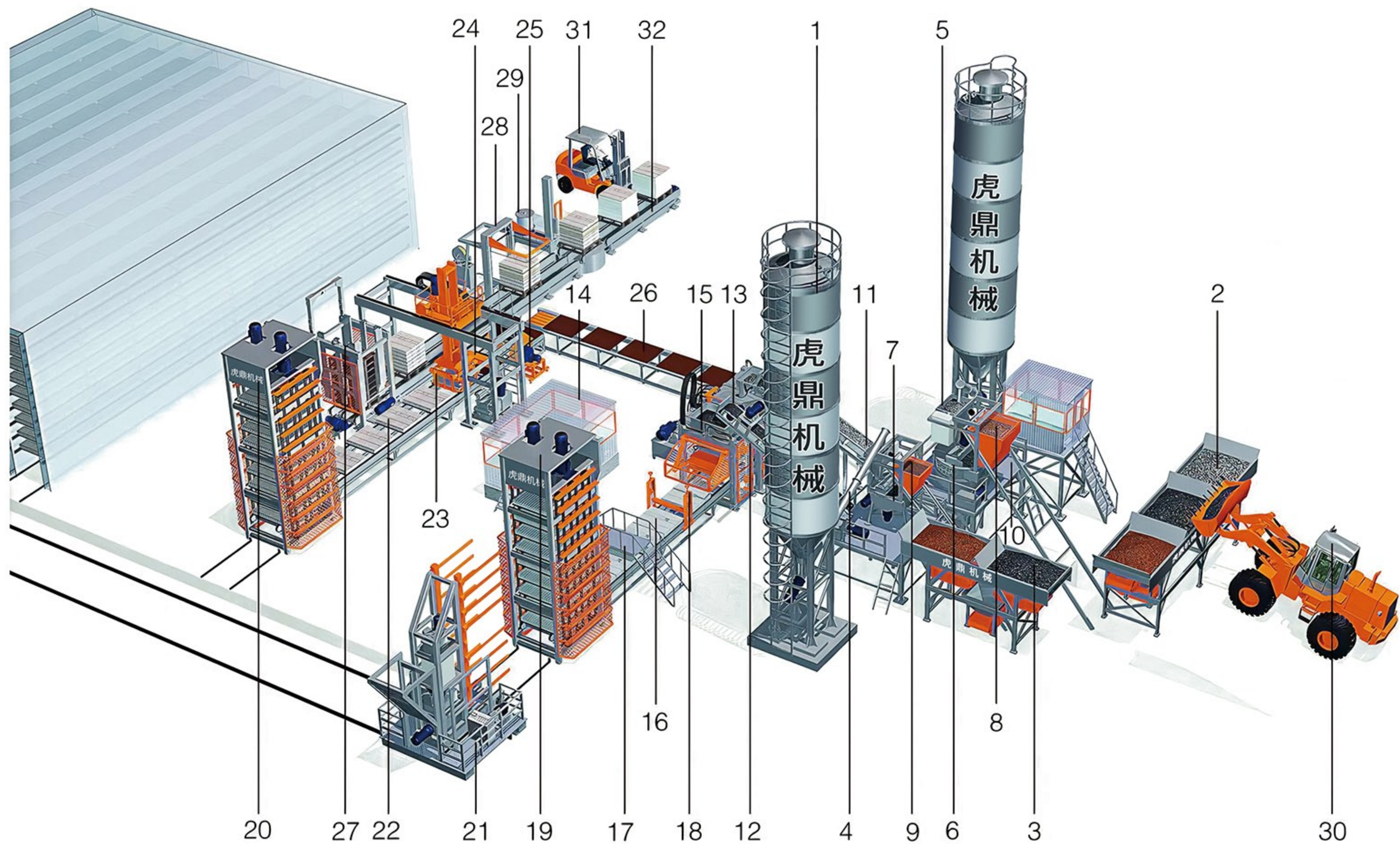


Autoclave Fly Ash Block Production Line

Product Description:

Autoclaved sand-lime brick hydraulic press machine use the sand, lime as the main material, combine with color and other materials. With materials dealing, batching mixing, press forming, with the autoclave curing, then gets the common lime-sand brick. HSY900 and HSY1200 serial of HDM automatic double press forming machine. Main makes high strength bricks. This machine with automatic weighting system, material conveying system, digestive system, mixing system, forming system, wet products transfersystem, autoclave system, packing system, and center control system. The material is sand and sand etc. without cement, this machine system automatically production. With advanced technology.



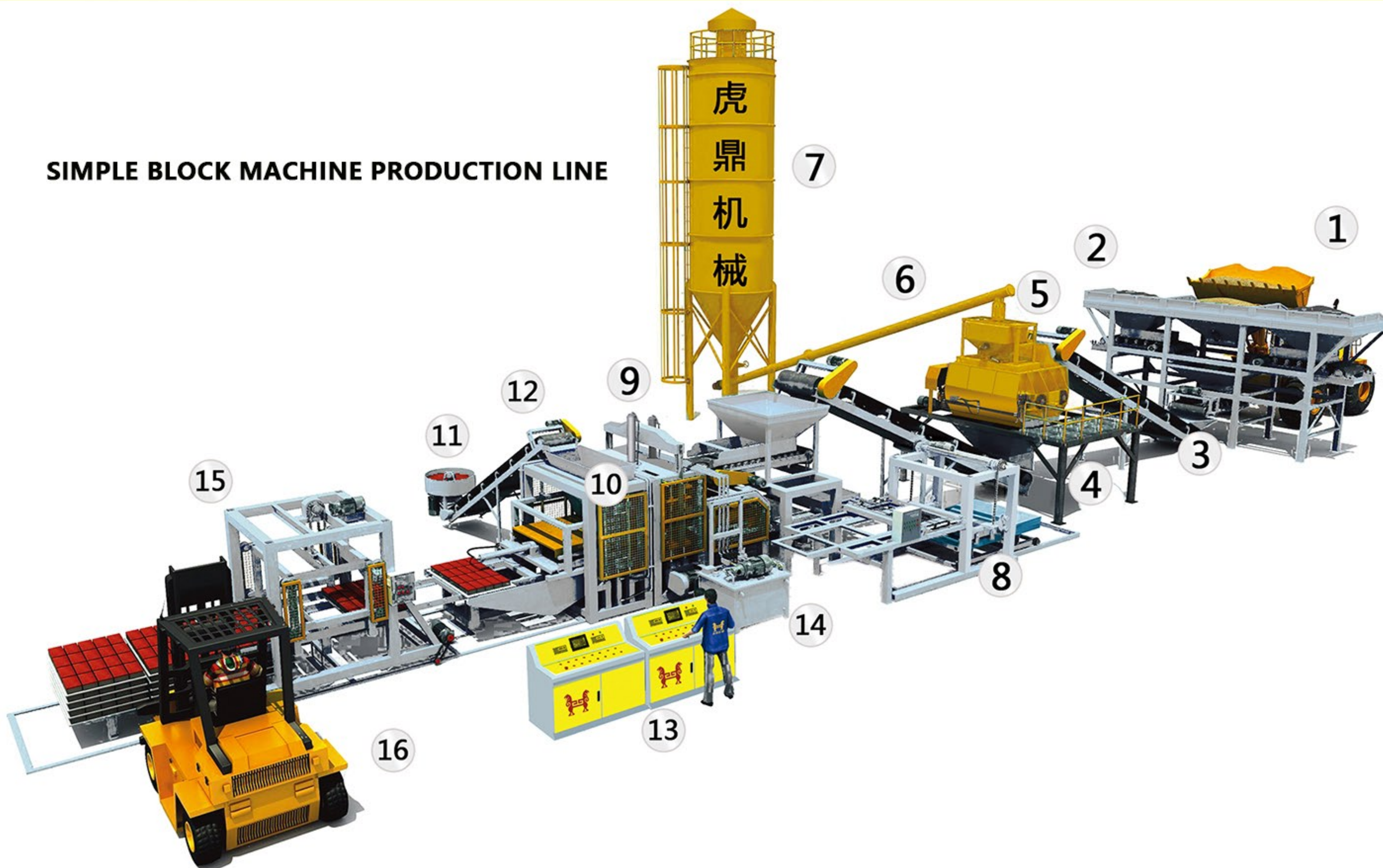


FULLY AUTOMATIC BLOCK PRODUCTION LINE

1	Cement silo	2	Base material batching machine	3	Fabric batching machine	4	Screw conveyor
5	Cement electronic scale	6	Base material mixer	7	Fabric mixer	8	Mixer hopper
9	Fabric mixer hopper	10	Mixing plant support platform	11	Base material belt conveyor	12	Fabric belt conveyor
13	Block forming machine	14	Integrated Control System	15	Fabric adding system	16	Wet blank conveyor line
17	Footbridge	18	Brick brushing machine	19	Lifting machine	20	Board lowering machine
21	Automatic Finger transporter	22	Dry billet conveyor line	23	Palletizer	24	Board brushing machine
25	Flipping machine	26	Horizontal feeding machine	27	Pallet warehouse	28	Automatic strapping machine
29	Film winding machine	30	Loading vehicle	31	Transfer forklift	32	Chain conveyor



SIMPLE BLOCK MACHINE PRODUCTION LINE



1. Loader 2. Batching machine 3. Belt conveyor 4. Concrete mixer 5. Cement scale 6. Screw conveyor 7. Cement silo
8. Automatic board loading machine 9. Block forming machine 10. Secondary material placing machine 11. Material mixer
12. Material conveyor 13. PLC electronic control system 14. Wave pressure station 15. Brick stacking machine 16. Forklift

Product introduction

The control system, the hydraulic system and the equipment, to realize the integrative Technique of Mechanics-electronic-hydraulics and efficient operation.

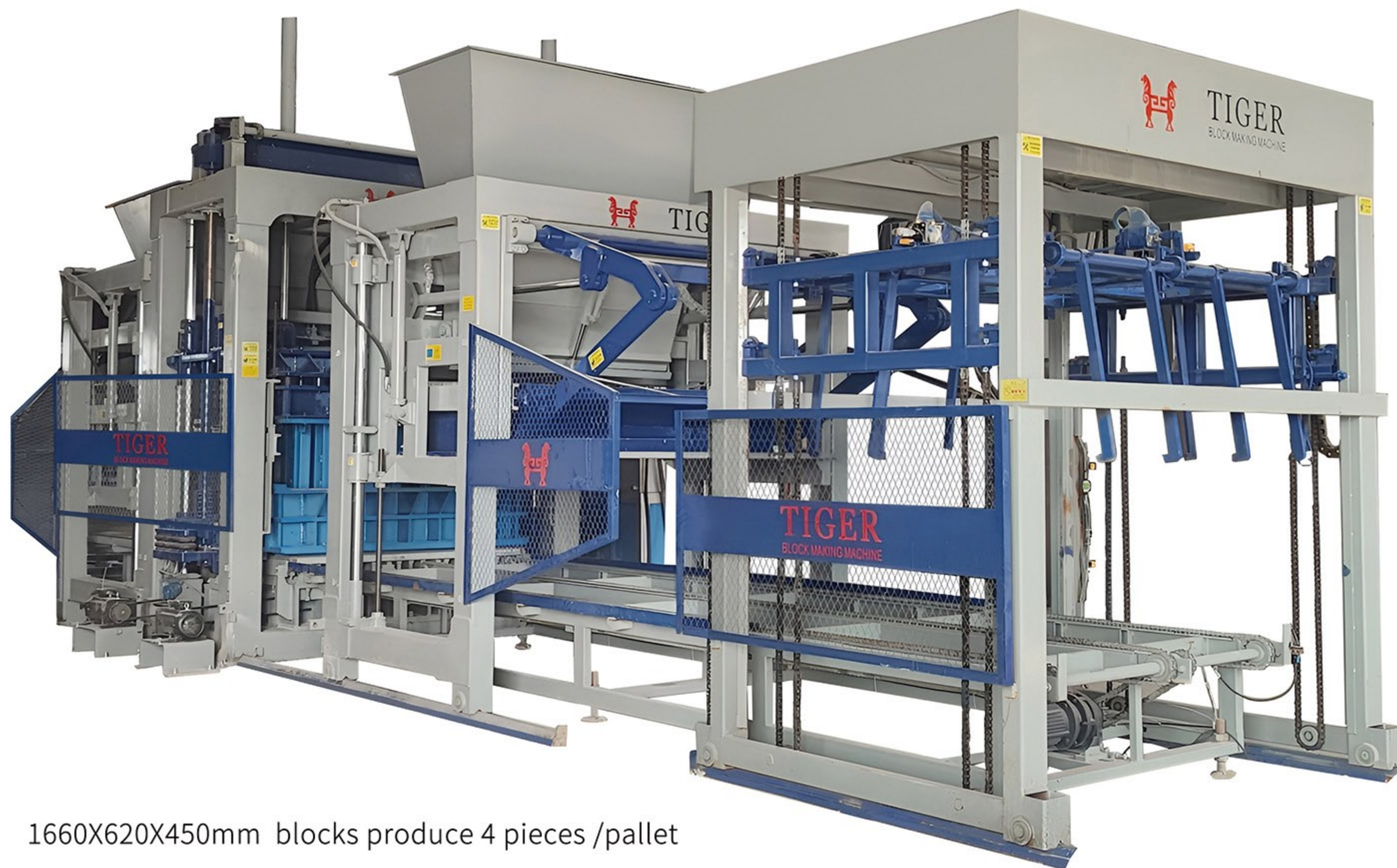
The automatic & guiding functions can monitor and display the operation state in time. It will stop and alarm while there is a fault, and it will supply the solution proposal. PLC touch screen presents operationally favorable where various practical multi-functions like parameter guidance are accessible and facilitates the monitoring process for use. In the absorption of Germany hydraulic technology, multi-hydraulic driving system, Make the vibration stronger, the forming cycle shorter, the product more strength. Using the west Germany high performance vibro system, strong vibration, short the forming cycle and compaction production. Use the Hanging type Twoway positioning Material Holder. Itle resistance during operation, solve the problem that as board thickness errors or the influence of the product

Technical Parameters

Technical Name	QT18-15	QT15-15	QT12-15	QT10-15	QT9-15	QT8-15	QT6-15
Molding period	15-20S	15-20S	13-20S	13-20S	13-20S	13-20S	13-20S
Pallet Size	1400*1300 mm	1300*1100 mm	1350*950 mm	1100*950 mm	1350*700 mm	1100*700 mm	900*680 mm
Machine Weight	18 T	16 T	15 T	13.5 T	13.5 T	12.5 T	11.5 T
Total power	185 KW	155 KW	120KW	98KW	92KW	75KW	70KW

QT30

全自动砌块成型机
Automatic Block Making Machine



1660X620X450mm blocks produce 4 pieces /pallet

QT24

全自动砌块成型机
Automatic Block Making Machine



QT18-15

AUTOMATIC BLOCK MACHINE



Production Parameters

Item	Picture	Specification (mm)	Production output of each specification and model							单位 unit
			QT18-15	QT15-15	QT12-15	QT10-15	QT9-15	QT8-15	QT6-15	
Hollow block		390×190×190	18	15	12	10	9	8	6	pcs/Mold
			3500—4000	2800—3500	2200—2800	1800—2400	1700—2200	1500—1900	1000—1400	PCS/Hour
Solid brick		240×115×53	85	76	60	48	45	39	29	pcs/Mold
			16000-20000	14000—18000	11000—14000	9000—12000	8000—11000	7000—9000	5500—7000	PCS/Hour
Porous block		240×115×90	45	36	35	28	25	18	15	pcs/Mold
			9000—11000	7000—9000	6500—8000	5500—7000	4500—6000	3500—4500	2800—3500	PCS/Hour
Paving brick		250×250×60	20	16	12	12	8	9	6	pcs/Mold
			3600—4800	2900—3800	2200—2800	2000—2600	1800—2100	1600—2100	1200—1500	PCS/Hour
Color brick		200×100×60	60	49	42	35	30	28	20	pcs/Mold
			11000—15000	9000—12000	8000—10000	6500—9000	6000—7500	5500—7000	3800—4800	PCS/Hour

QT15-15

AUTOMATIC BLOCK MACHINE



QT10-15

AUTOMATIC BLOCK MACHINE

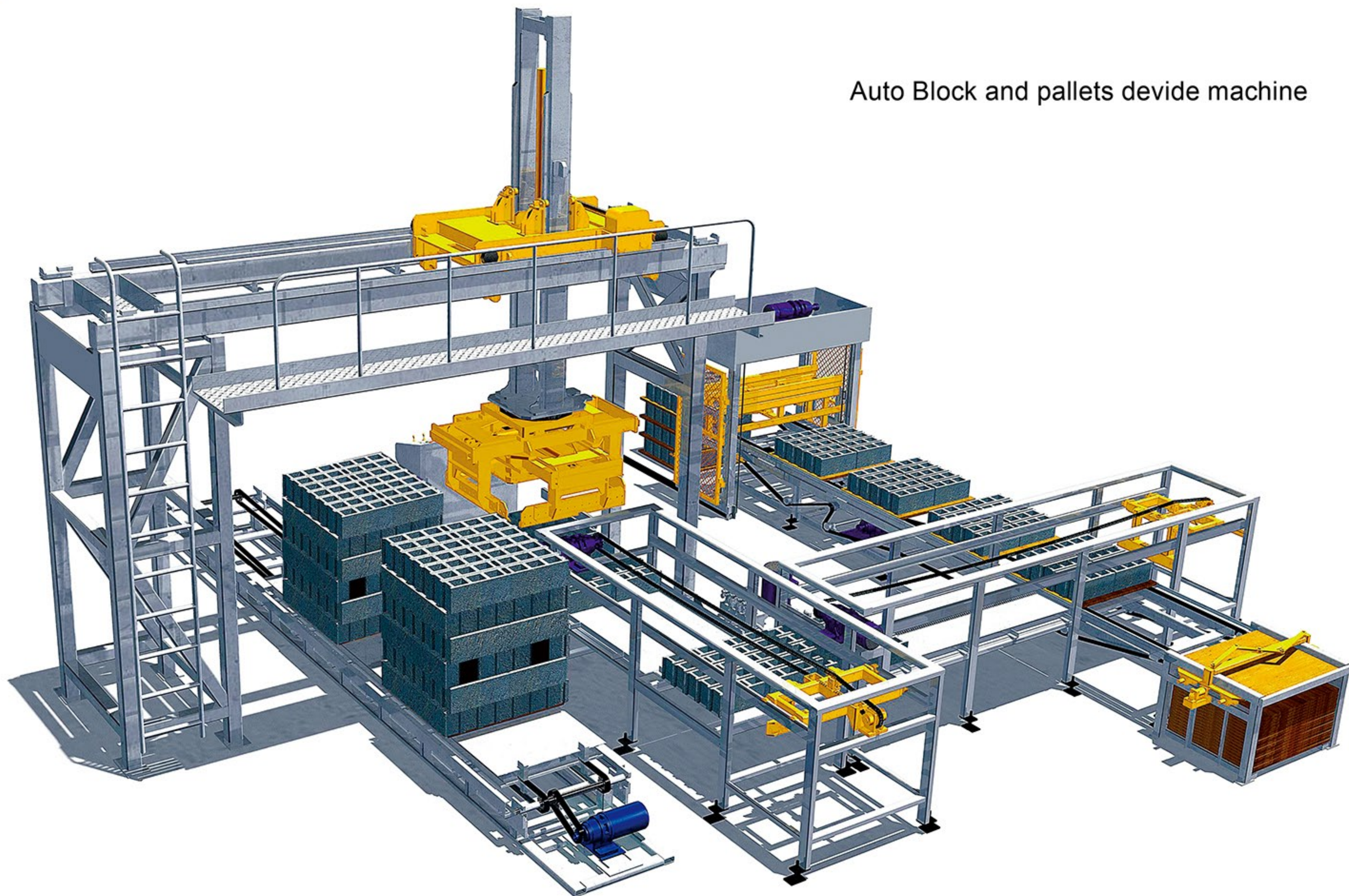


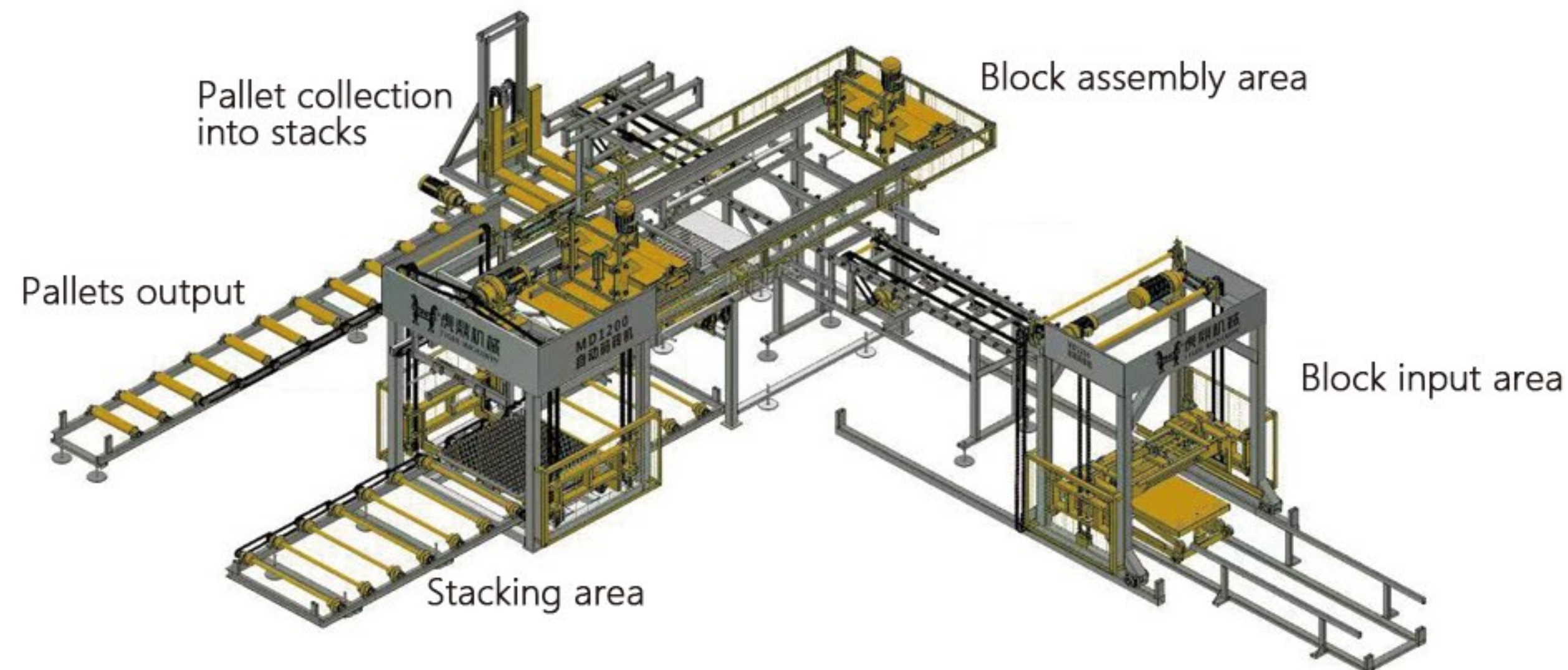
QT8-15

AUTOMATIC BLOCK MACHINE



Auto Block and pallets device machine





PET plastic strapping machine



STRAPPING TAPE	
PET tape	Width: 12/16/19mm
	Thickness: 0.6--1.0mm
Tape parameters	Inner diameter: 406mm
	Rolling length: 150--190mm
	Roll weight: 20--75kg

RGV unmanned transport shuttle



MAKE CONCRETE BLOCK MAINTENANCE EASIER

Stretch Film Wrapping Machine



Automatic Soaking Machine



Double station

Fast

Save

Simple



Single station

PL系列 混凝土配料机

■ Main technical parameters

EQUIPMENT NAME	PL800	PL1200
Weighing bucket nominal volume	0.8m ³	1.2m ³
Storage bucket volume	2×2m ³	3×4m ³
Productivity	48m ³ /h	72m ³ /h
Batching accuracy	± 2%	± 2%
Maximum weighing value	1500kg	2000kg
Number of aggregates	2	3
Feeding height	2300mm	2500mm
Measuring method	Electronic scale	Electronic scale
Total power	6.6kW	10.6kW
Machine weight	2300kg	4000kg
Dimensions (L x W x H)	5470 × 1820 × 2810 mm	8650 × 2000 × 2900 mm



PL1200 batching machine



Color Material Mixer



Cement Scale



Screw Conveyor



Vertical axis planetary mixer(MP series parameter table)

MODE	MP250	MP330	MP500	MP750	MP1000	MP1500	MP2000	MP2500
Feed capacity (L)	375	525	750	1125	1500	2250	3000	3750
Feed capacity (kg)	600	790	1200	1800	2400	3600	4800	6000
Output capacity (L)	250	330	500	750	1000	1500	2000	2500
Mixing power (kW)	11	15	18.5	30	37	55	75	90
Output Power (kW)	2.2	2.2	2.2	2.2	3	3	4	4
Main weight (kg)	1800	2200	2500	5500	5500	6500	8500	10500

NAME		JS750	JS500
Feed capacity		1200L	800L
Discharge capacity		750L	500L
productivity		35m ³ /h	25m ³ /h
Maximum aggregate particle size		80/60mm	60/40mm
Mixing blade	speed	30.5r/min	35r/min
	quantity	2 × 7	2 × 7
		38.8kW	25.3kW
External dimensions	working condition	4970 × 3300 × 6520mm	5140 × 3000 × 5600mm
	Transportation status	4500 × 2250 × 2470mm	3500 × 2260 × 2380mm
Whole machine weight		6800kg	4000kg





stacker



Pallets Feeding Machine



Mold



plc control system



Hydraulic station



PVC Pallets



Fiber Pallets





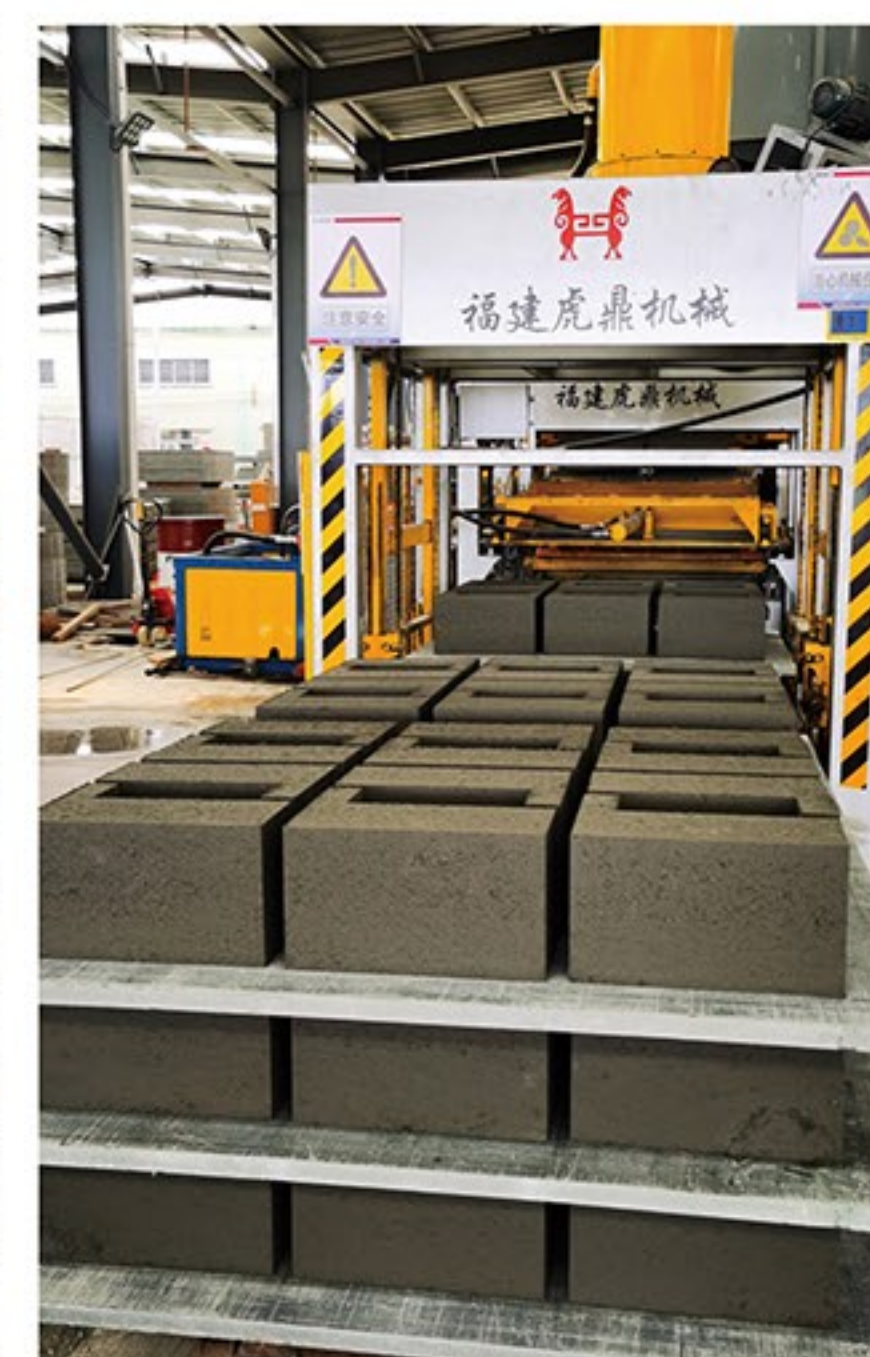
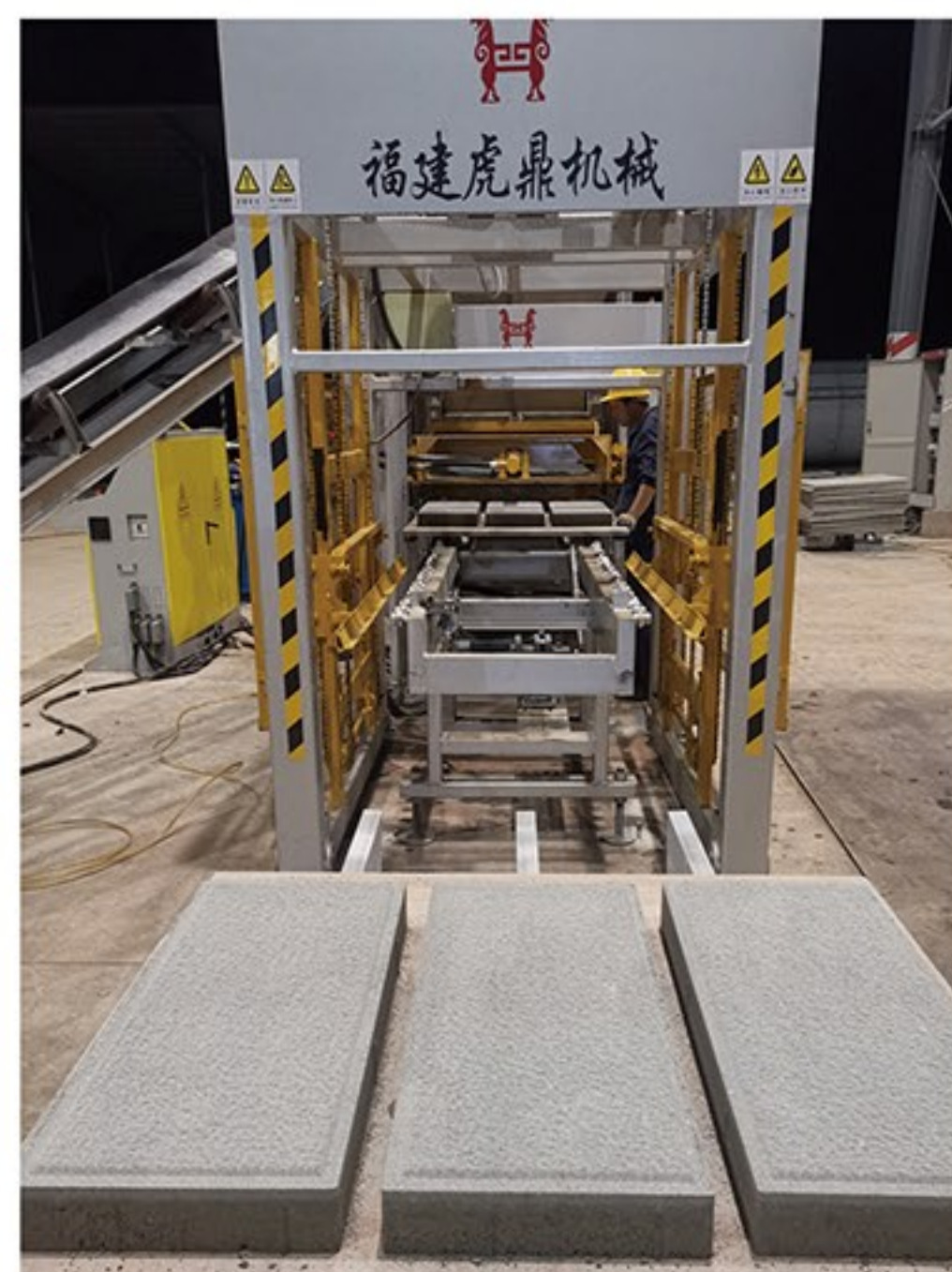
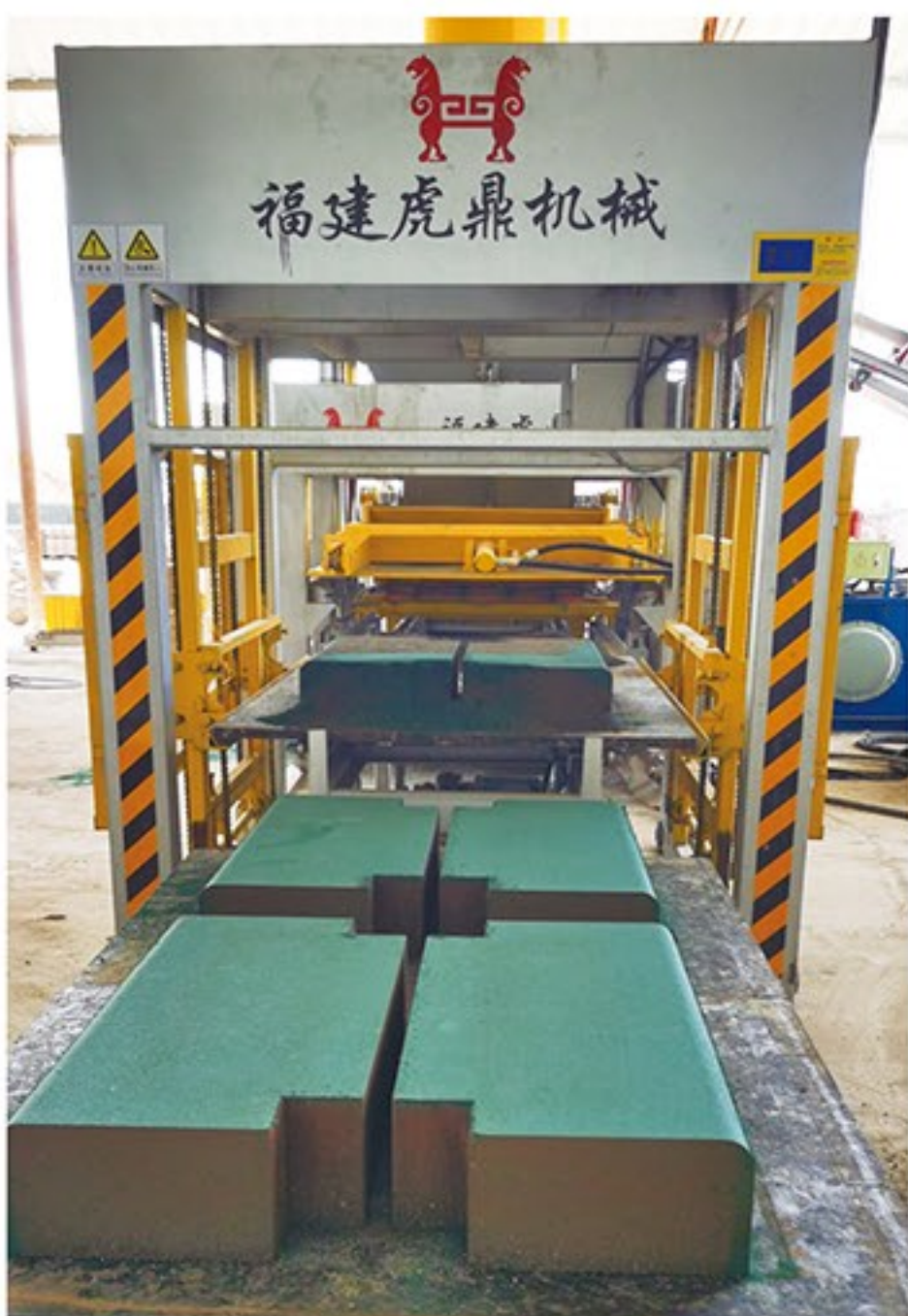
Production of solid blocks



Production of kerbstones

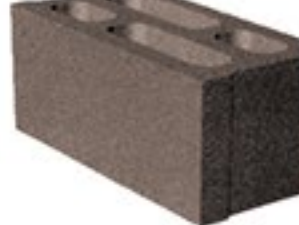
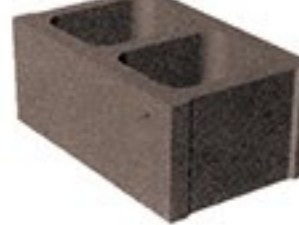
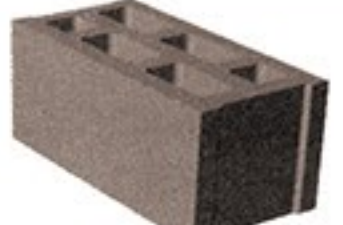


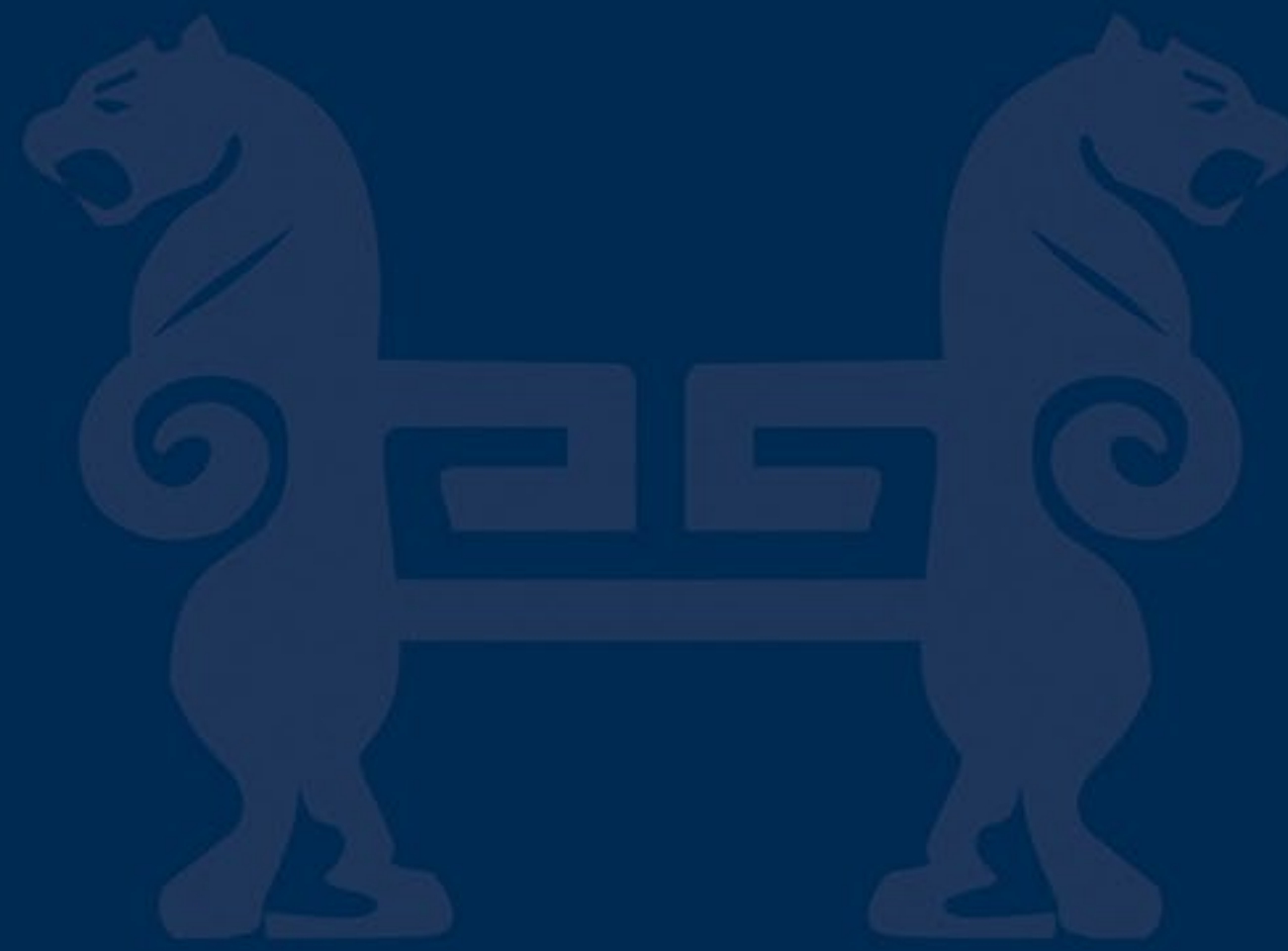
Production of paving blocks



砖样展示 Brick Samples



							
240x115x53	180x115x90	190x90x90	240x115x90	250 x220 x200	240x180x90	240x240x90	540x160x200
							
240x180x90	240x180x90	390x190x190	390x190x190	390x190x190	390x240x190	390x240x190	390 x190 x190
							
390x120x190	390x120x190	390x90x190	190x190x190	190x190x190	190x190x190	390x190x190	190x190x190
							
240x115x90	240x115x90	390x290x190	400 x 240 x 200	400 x 200 x 200	390 x 190 x 190	400 x 340 x 200	220x105x65
							
400 x300 x100	615 x615 x120	600 x660 x120	400 x300 x150	680 x1200 x500	600 x1480 x575	620 x1660 x450	180x80x80
							
500x500x120	1000x350x120	1000x500x200	1000x400x150	1000x350x150	600x500x300	800x400x120	120x180x80
							
600x400	400x400	300x300	300 x 300 x 60	400 x200 x 180	1000x300x120	1000x220x200	220x150x115



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