

Guangxi Hongfa Heavy Machinery Co.,Ltd

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HONGFA

宏发机械
HONGFA MACHINERY

广西宏发重工机械有限公司

Guangxi Hongfa Heavy Machinery Co., Ltd

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 广西·南宁市伊岭岩工业集中区
Yiling Yan Industrial Centralized Zone.

Guangxi Hongfa Heavy Machinery Co.,Ltd

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INTRODUCTION

HONGFA was founded in 1990, which is a large-scale private enterprise with R&D, manufacture and sales. A Chinese national leader in size, scope, quality and technology, Hongfa is defined by the brand attributes of industry leadership, innovation, and sustainability. Specialized in AAC block production line, concrete mixing plant, fully automatic block production line, concrete tile making machine, concrete pipe making machine, EPS wall panel machine, static pressure block making machine and our patented thermal insulation cement foam block production Line, etc., total 8 series and more than 30 models. Hongfa products are popular all over the country and exported to the United States, Russia, Australia, Brazil, India, Vietnam, Thailand, Sudan, north Korea and dozens of other 76 countries and regions, and deeply welcomed by domestic and foreign customers!

All HONGFA products are conformed to the national product standards and have passed the ISO9001-2000 international quality system identification. HONGFA has won many honors: "One of Top Ten Influential Brands in China Brick & Tile Industry" issued by China light product quality safeguard center, national grade "contract trustworthiness enterprise", "high-tech enterprise", "Quality and Credibility of the Dual-protection Demonstration Unit", "AAA grade credit enterprise", "Advanced export-oriented company", "top ten good faith unit", "Advance Quality Management Unit" and other honors.

Hongfa consists of Shandong and Guangxi two production bases, three production factories, two imported-exported companies, one provincial construction & building materials machinery institute, one new construction materials company and has established sales companies in Vietnam, India and Indonesia. Shandong production base is located in Dazhuang Economic & Developing Zone, Yan County, Shandong Province, covers an area of 300,000M², building area of 86000 m², has 36 senior engineers and engineers, and 1120 technical personnels. Guangxi production base is located in yiling industrial zone Nanning city, Guangxi, covers an area of 60,000 m², building area of 23000 m², and has 24 senior engineers and engineers, and 180 technical personnels.

Hongfa building materials technology co., LTD., is also located in yiling industrial zone Nanning city, which is a new wall materials production base and a subordinate company of Guangxi hongfa heavy machinery co., ltd. With total capital RMB 120 million. Mainly produces Thermal Insulation Cement Foam Block, polystyrene granule insulation block, lightweight insulation wall panel and ready-mixed concrete products. HONGFA is the first company to produce Thermal Insulation Cement Foam Block in Guangxi province and the first to produce polystyrene granule insulation block in China.

Company Honor



- ★ National Enterprise Abiding By Contract & Keeping Good Faith
- ★ Quality and Credibility of the Dual-protection Demonstration Unit
- ★ One of Top Ten Influential Brands in China Brick & Tile Industry
- ★ AAA Grade Credit Enterprise
- ★ High and New Tech Enterprise
- ★ Famous Trademark of China
- ★ Star Enterprise with China Patent
- ★ Consumer Satisfaction Unit
- ★ One of Top 100 building Material Industry Brands of China
- ★ Advanced Exporter in Guangxi Province
- ★ One of Top Ten Good Faith Units



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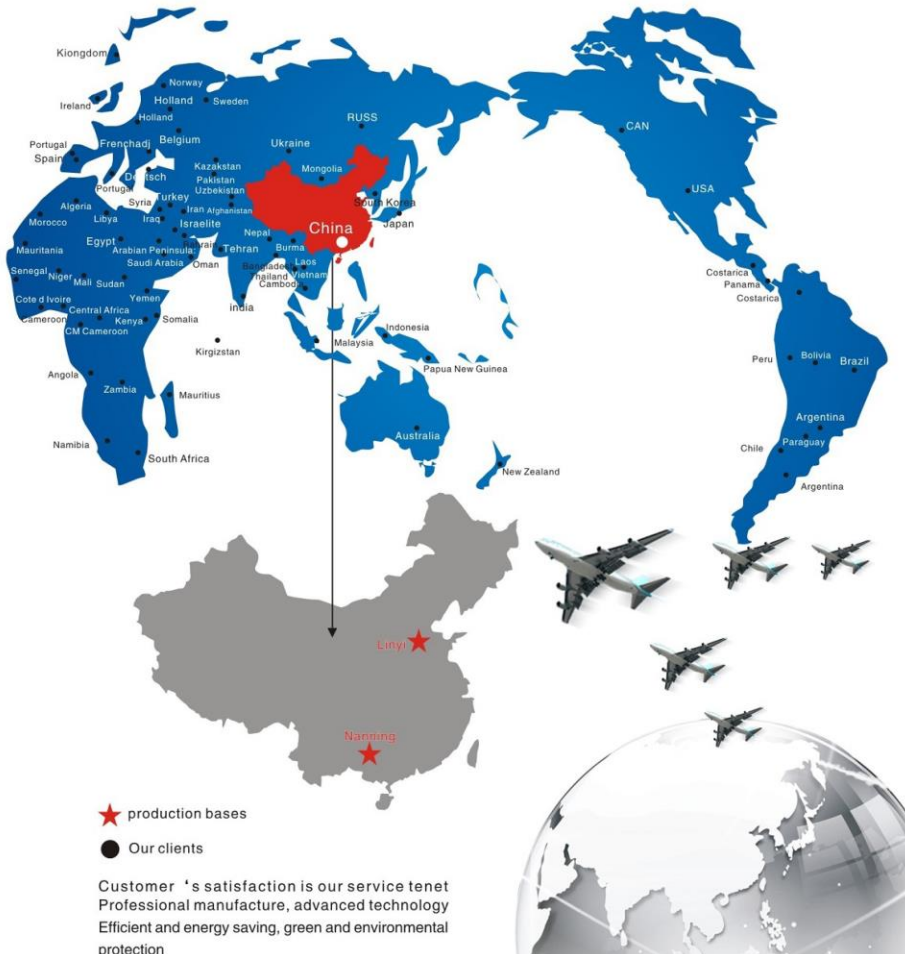
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WITH 25 YEARS EXPERIENCE, OUR PRODUCTS ARE EXPORTED TO MORE THAN 76 COUNTRIES AND AREAS.



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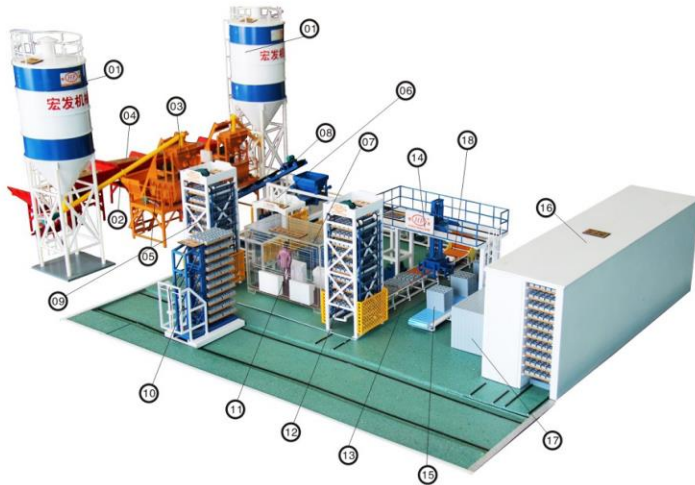
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fully-automatic block production line



- ① Cement silo ② Screw conveyor ③ Cement scale ④ Batching machine ⑤ Mixer
- ⑥ Block making machine ⑦ Hydraulic unit ⑧ Conveyor ⑨ PLC control box ⑩ Finger cart
- ⑪ Central control system ⑫ Lowerator ⑬ Block conveyor system ⑭ Stacker ⑮ Dry brick conveyor
- ⑯ Steam Room ⑰ Finished Goods Storage Yard



- ① Cement silo ② Screw conveyor
- ③ Cement scale ④ Batching machine
- ⑤ Mixer ⑥ Block making machine
- ⑦ Hydraulic unit ⑧ Conveyor
- ⑨ PLC control box ⑩ Block conveyor
- ⑪ Automatic Stacker ⑫ Forklift
- ⑬ Automatic Pallet-elevator ⑭ ⑮ ⑯ Raw material

QT12-15D Block Making Machine



Automatic Pallets Elevator



- ◆ Particular storage and discription material system insure the feeding accuracy and avoiding the effect of exterior materil. So the products have high density.
- ◆ Adopting frequency conversion motors and synchronization vibration to insure the products making average, and the vibration frequency can be adjusted randomly according to plastic character of various of raw materials.
- ◆ Simple operation and saving 25% energy compared to the same industry in the market.
- ◆ Low frequency in feeding materials and high frequency vibration makes the different to have a optimal vibration way.
- ◆ The computer is of fault diagnosis system. Warning signal is propitious to eliminate the fault. Combine with long-distance controlling system, it can achieve scrutiny, controlling and diagnosis.

QT12-15D Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter
Hollow block	400*200*200	15-20s	12	2160-2880	17300-23000	Dimension (mm) 8200*2600*3020
Solid brick	240*115*53	15-17s	65	5400-7200	43200-57600	Power (kw) 66

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QT10-15D Block Making Machine



QT10-15D Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter	
Hollow block	400*200*200	15-20s	10	1800-2400	14400-19200	Dimension (mm)	7500*2500*3020
Solid brick	240*115*53	15-17s	56	11850-13440	94900-107500	Power (kw)	53
Paving brick	220*110*50	20-25s	35	5040-6300	40320-50400	Pallet size (mm)	1220*900

QT8-15D Block Making Machine



QT8-15D Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter	
Hollow block	400*200*200	15-20s	8	1440-1920	11500-15300	Dimension (mm)	7500*2100*3020
Solid brick	240*115*53	15-17s	45	9530-10800	76230-86400	Power (kw)	41
Paving brick	220*110*50	20-25s	25	4000-5040	32000-40320	Pallet size (mm)	1220*900

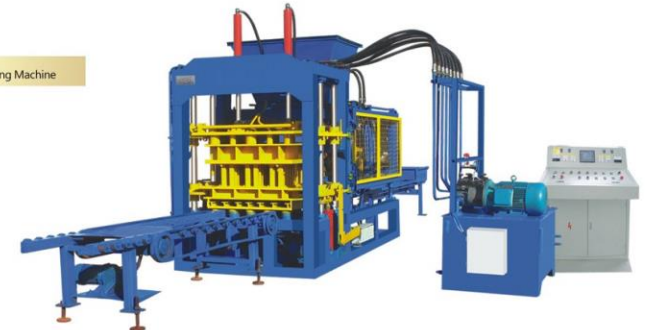
QT6-15D Block Making Machine



QT6-15D Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter	
Hollow block	400*200*200	15-20s	6	1080-1440	8700-11500	Dimension (mm)	7160*2000*2800
Solid brick	240*115*53	15-17s	32	6800-7600	54300-61400	Power (kw)	34
Paving brick	220*110*50	20-25s	15	2200-2700	17300-21600	Pallet size (mm)	880*680

QT6-15B Block Making Machine



QT6-15B Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter	
Hollow block	400*200*200	15-20s	6	1080-1440	8700-11500	Dimension (mm)	7100*1500*3000
Solid brick	240*115*53	15-17s	30	6360-7200	50900-57600	Power (kw)	31.25
Paving brick	220*110*50	20-25s	15	2200-2700	17300-21600	Pallet size (mm)	850*680

QT5-15 Block Making Machine



QT5-15 Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter	
Hollow block	400*200*200	15-20s	5	900-1200	7200-9600	Dimension (mm)	7400*1950*2800
Solid brick	240*115*53	15-17s	32	6800-7600	54300-61400	Power (kw)	26.5
Paving brick	220*110*50	20-25s	16	2310-2880	14500-23000	Pallet size (mm)	1100*550

QT4-15C/20C Block Making Machine



QT4-15C/20C Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter	
Hollow block	400*200*200	15-20s	4	720-960	5800-7600	Dimension (mm)	7100*1600*2610
Solid brick	240*115*53	15-17s	28	5930-6700	47500-53700	Power (kw)	27.5
Paving brick	220*110*50	20-25s	16	2310-2880	14500-23000	Pallet size (mm)	1020*570

QT4-15D Block Making Machine



QT4-15D Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter	
Hollow block	400*200*200	15-20s	4	720-960	5800-7600	Dimension (mm)	7100*1600*2610
Solid brick	240*115*53	15-17s	28	5930-6700	47500-53700	Power (kw)	27.5
Paving brick	220*110*50	20-25s	16	2310-2880	14500-23000	Pallet size (mm)	1020*570

QTF3-20 Color paver forming machine



QTF3-20 Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter	
Hollow block	400*200*200	20-25s	3	432-540	3456-4320	Dimension (mm)	5000*4500*2000
Solid brick	240*115*53	18-23s	14	2200-2800	17600-22400	Power (kw)	14.25
Paving brick	220*110*50	20-25s	8	1150-1440	9220-11500	Pallet size (mm)	680*530



Non-vibration Hydraulic Brick Making Machine

No.	Nominal pressure	Rated pressure	Oil pump motor	Molding cycle	Gross weight
1	4200KN	25MPa	Y200L-4 (30KW)	14-20S	12.5t

Production Capacity		
2	400x200x200mm	4 pcs/mold 960 pcs/h 7680 pcs/8h
3	100x150x200mm	12 pcs/mold 2400 pcs/h 19200 pcs/8h
4	75x120x180mm	24 pcs/mold 4800 pcs/h 38400 pcs/8h

- ◆ The machine is combined by the following parts and components: Forming Machine, Materials Feeder, Hydraulic System, Electrical System, Block Receiver and Block Stacker.
- ◆ Programmable Controlled
- ◆ Mechanical, Electrical and Hydraulic Integration
- ◆ Double-sides Hydraulic pressure System
- ◆ High production efficiency, low labor intensity
- ◆ Green, Energy-saving and sustainable
- ◆ Applied to produce varies sizes and types of Concrete Blocks and Bricks by replacing molds with corresponding specifications. Wide range materials can be used for making New Energy-saving Building Materials, such as sand, stone powder, steel slag, fly ash and other industrial wastes.



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QTJ5-20 Block Making Machine



QTJ5-20 Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter
Hollow block	400*200*200	20-25s	5	720-900	5760-7200	Dimension (mm) 7900*2000*4400
Solid brick	240*115*53	18-23s	32	5000-6400	40000-51200	Power (kw) 37.5
Hollow block	400*150*200	20-25s	6	864-1080	6920-8640	Pallet size (mm) 1100*660

QTJ4-25B Block Making Machine



QTJ4-25B Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter
Hollow block	400*200*200	25-30s	4	400-500	3200-4000	Dimension (mm) 2600*1850*2100
Solid brick	240*115*53	20-25s	21	700-850	5600-6800	Power (kw) 14
Hollow block	400*150*200	25-30s	5	520-640	4160-5200	Pallet size (mm) 850*480

QTJ4-25C Block Making Machine



QTJ4-25C Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter
Hollow block	400*200*200	20-25s	4	480-570	3840-4600	Dimension (mm) 5600*1850*2400
Solid brick	240*115*53	18-23s	21	780-1000	6260-8000	Power (kw) 17

QTJ4-26C/D Block Making Machine



QTJ4-26C/D Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter
Hollow block	400*200*200	25-30s	4	300-400	2400-3200	Dimension (mm) 2060*1730*2580
Solid brick	240*115*53	20-25s	21	1700-1900	13600-15200	Power (kw) 11.25/14.25
Hollow block	400*150*200	25-30s	5	380-500	3050-4000	Pallet size (mm) 880*480

QTJ4-35B2 Block Making Machine



QTJ4-35B2 Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter
Hollow block	400*200*200	30-35s	4	220-270	1760-2160	Dimension (mm) 1350*1660*1900
Solid brick	240*115*53	25-30s	21	1500-1650	12000-13200	Power (kw) 9.7
Hollow block	400*150*200	30-35s	5	280-340	2240-2720	Pallet size (mm) 850*450

QTJ4-40B2 Block Making Machine



QTJ4-40B2 Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/8hours	Technical Parameter
Hollow block	400*200*200	30-35s	4	200-250	1600-2000	Dimension (mm) 1350*1460*1800
Solid brick	240*115*53	25-30s	21	1400-1500	11200-12000	Power (kw) 9.5

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MSZ180-8 Brick Making Machine



Production diagram



MSZ180-8 Brick Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/Hours	Technical Parameter
Solid brick	240*115*53	18-23s	8	2000	16000	Power (kw) 18

Hydraulic Forming Machin



Hydraulic Forming Machine

HF-300T Planer type		HF-150T Planer type		HF-100T Planer type		HF-150T Planer type	
Dimension (mm)	2200*2150*2350	Dimension (mm)	2050*1500*2	Dimension (mm)	1000*1000*15	Dimension (mm)	1900*1500*2100
Power (kw)	15	Power (kw)	11	Power (kw)	5.5	Power (kw)	7.7
Max brick size (mm)	1000*500*250	Max brick size (mm)	500*500*150	Max brick size (mm)	350*350*150	Max brick size (mm)	500*500*150
Capacity	2000-4000pcs/D	Capacity	2000-4000pc	Capacity	2000-3000pcs	Capacity	2000-4000pcs/D

JMQ-6A Block Making Machine



JMQ-6A Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/Hours	Technical Parameter
Bollow block	400*200*200	30s	6	700-770	5600-6160	Dimension (mm) 2350*2200*1750
Bollow block	400*150*200	30s	7			Power (kw) 8.2
Bollow block	400*100*200	30s	11			Vibration Power 48KN

QMj4-30 Block Making Machine



QMj4-30 Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/Hours	Technical Parameter
Bollow block	400*200*200	30s	4	480-570	3840-4600	Dimension (mm) 1300*1500*1000
Bollow block	400*150*200	30s	5	600-720	4800-5700	Power (kw) 5.95
Bollow block	400*100*200	30s	7	840-1000	6720-8060	Vibration Power 28.6KN



QMj4-45 Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/Hours	Technical Parameter
Bollow block	400*200*200	45s	4	360-410	2880-3290	Dimension (mm) 1600*1500*1200
Bollow block	400*150*200	45s	5	450-510	3600-4100	Power (kw) 6.65
Bollow block	400*100*200	45s	7	630-720	5040-5760	Vibration Power 35KN



QM4-45 Block Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/Hours	Technical Parameter
Bollow block	400*200*200	45s	4	360-410	2880-3290	Dimension (mm) 1100*950*2100
Bollow block	400*150*200	45s	5	450-510	3600-4100	Diesel engine 68P/kw
Bollow block	400*100*200	45s	7	630-720	5040-5760	Vibration Power 32KN



SMY8-150 Color Tile Making Machine

Item	Size (mm)	Molding cycle	Pcs/Mold	Pcs/hour	Pcs/Hours	Dimension (mm)	3000*1900*2400
Color tile	424*37	7-10s	1	360-480	2880-3800	Power (kw)	18



HF series Horizontal Tyle Pipe Making Machine

HF series Horizontal Concrete Pipe Making Machines are used to produce concrete pipes with diameters of 200-2500 mm and length of 1000-2500mm. The machine uses rolling axis to support the pipe mould and to press the concrete inside the mould when it is rolling. The machine makes full use of the rolling force and centrifugal force to produce high quality and solid concrete pipes.



HF V HF Vertical Extruding Pipe-making Machine

HF vertical pipe making machine is the ideal equipment to manufacture cement pipe with diameter 200-1000mm and length 1000mm. The tubular products made by this machine has the following advantages: average wall thickness, smooth inner and outer wall, good impermeability, high compressive strength, low cost, firm and reliable tie-in, convenient construction, high efficiency, and instant film-releasing maintenance, etc. and the tubular products are used widely in irrigation in the field and the water supply and sewage works in the town.



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Block Stacker



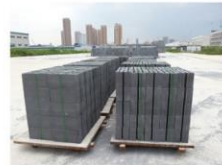
Hongfa Concrete Block Stacker, also known as Block Manipulator, its a multi-purpose block staking unit that can be used to stack varies kinds of blocks and bricks produced automatically and efficiently. It can be applied to all kinds and models of block making machine, full-automatically.

Unmanned operation; greatly reduce the labors for more than 4 to 6 times and can save the amount of money up to 35,000USD per year in a block making factory with the annual output of 50,000 pieces hollow blocks.

Working principle of the stacker: mechanical transmission, PCC programmed control, simple structure, stable operation.

The stacker clamp the blocks with its jigs from four directions, separate the blocks from the pallets, and stack the blocks about 4 layers to 5 layers, then the blocks will be conveyed by the belt conveyor to the position for the forklift to transport to the storage field.

While the pallets will return to the conveying device for the next producing cycle.



Thermal Insulation Cement Foam Block Production Line



Density of the Thermal Insulation Cement Foam Block: $950-1000\text{kg/m}^3$

Advantages: Lightweight, Load-bearing, Heat insulation, Thermal insulation, Non-ignitable, Sound insulation, Resources & Energy-saving.

Thermal conductivity: 0.0599W/m.k

Wall Panel Making Machine

Horizontal Moulding Machine

Technical Feature

Wall Panel machine is specializing in the production of light weight wall panel. The final product has a flat surface, smooth and high density and this production line realizes the industrialization of the new building partition panel material. It greatly reduces the labor intensity of production workers, and completely removes the disadvantages of the past vertical molds and other molds casting. The thickness and length of wallboard can be adjusted, so it is multi-functional (60, 90, 120, 150, 180, 200CM can be customized).

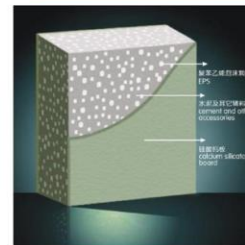
- ◆ Simple and reliable operation, mature and stable equipment and technology. These advantages greatly eliminate random operation during the construction process.
- ◆ The unique mixing technology and molding process can lower the water and cement ratio of the lightweight concrete aggregate, improve the performance of the wall panel strength, reduce shrinkage value of wall panel.
- ◆ The features of new style EPS light weight & hot insulation wall panel

1. **Light weight:** the weight is light, it can reduce the weight bearing of the construction and increase the construction height, also reduce the comprehensive construction Cost.
2. **Sound insulation:** insulation against air-borne sound can reach more than 40db, it has functions of sound insulation and sound absorption.
3. **Keep warm:** good performance of keeping warm, which can greatly reduce air conditioner power consumption and improve the environment of indoor thermal environment.
4. **Fire prevention:** high wall refractory degree, which fire rating can reach National A2 level.
5. **Moisture proof:** balanced saturated water values and atmosphere and stable atmospheric and low water absorption.
6. **Anti-seismic:** light weight but strong anti-seismic, specially connected with frame type, heavy steel and light steel structure.
7. **High strength:** It is made of high-strength cement, having the advantages of high strength, superior toughness and high resist compression. Its impact resistance and crushing resistance are exceed the national standard.
8. **Neat typing:** Smooth board face, small error limit of thickness and no need of mortar and cement plaster, which are good for decoration.
9. **Use:** Increasing the rate of volume and indoor space obviously.
10. **Energy conservation and environmental protection:** reach the standard of national building energy saving (65%) and realize the effect of warm in winter and cool in summer effect.
11. **Quick construction:** can be sawed, cutted, drilled, and realizes the assembly construction installation. It is 6-7 times faster than brick building construction, so it can highly shorten the construction period.



- | | | | |
|--------------------|----------------------------|---------------------------------|------------------------------|
| ① EPS Pre-expander | ④ Aggregate Measure Bunker | ⑦ Mixing Platform | ⑩ Moving Automatic Stacker |
| ② Flaked Bed | ⑤ Silo | ⑧ Control Room | ⑪ Forklift |
| ③ EPS Silo | ⑥ Mixer | ⑨ Container for Infusing Slurry | ⑫ Forklift |
| ④ Screw Conveyor | ⑦ Chimp Making Machine | ⑪ Hydraulic Moulding Machine | ⑬ Hydraulic Moulding Machine |

Overall dimensions mm	Power/kw	Horizontal Moulding Machine					
		Output/pieces per mould					
		60mm	75mm	90mm	100mm	120mm	150mm
2750x2504x1359	3	16pcs	14pcs	12pcs	12pcs	10pcs	8pcs



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EPS Light Weight Wall Panel Production Line



Light Weight Wall Panel Machine characteristics: advanced assembly line production, mold equipment mechanical automation instead of lots of artificial and reduce labor costs, the integrated control to reduce the intensity of labor and improve production efficiency.

horizon molding wall panel production line to solve problems like aluminum alloy plate loading of other models, not accurate size slurry perfusion pouring ,core material not full, need to manually using the steel core and vibration compaction, demoulding time problem.The design concept of science and mature skills production made of domestically the most advanced production equipment and good quality EPS wall plate.

Mixing Machine



Company integrates with the domestic and foreign markets, takes reference from the Italian technology, independently researched and developed the foaming function forced type mixer, which stirs evenly, fully wrapped EPS particles, discharging prompt and fast.

length×width×height(mm)	power KW	Each production M ³
3500×2200×5200	11	2.7

Slurry Infusing Machine



Patent protected product, independent research and development, simple operation and easy maintenance, low cost, grouting fast, with high efficiency.

High pressure infusion molding, and full filling core materials leave no dead angle, increasing yield productivity.

length×width×height(mm)	power KW	Each production M ³
3000×2000×1950	5.2	2.34

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Vertical Moulding Machine--Automatic Type



Vertical Moulding Machine--Automatic Type		Output/pieces per mould					
Overall dimensions mm	Power/kw	60mm	75mm	90mm	100mm	120mm	150mm
3380x3200x2680	4	40pcs	36pcs	32pcs	30pcs	26pcs	22pcs

Vertical Moulding Machine--Manual Type



Vertical Moulding Machine--Manual Type		Output/pieces per mould					
Overall dimensions mm	Power/kw	60mm	75mm	90mm	100mm	120mm	150mm

产品性能表 Product Performance

单位 Unit	项目 Project	75mm	9090mm	12120mm	15150mm
容量 Capacity	kg/m ³	项目 680~800 Project 680~800			
抗弯破坏荷载板 自重倍数 Weight multiple of bending fracture load plate	自重 5倍 Five times self weight	≥3.0	≥4.0	≥4.0	≥4.0
抗压强度 The compressive strength	Mpa	≥3.5			
抗冲击 Shock resistance	标准砂袋/次 Standard sandbag/ time	≥5			
软化系数 Soft change coefficient	-	≥0.890			
含水率 The water content	%	≤10			
干缩率 Dry shrinkage	mm/m	≤0.5			
吊挂力 Hanging force	N	≥1000			
导热系数 Heat conductivity coefficient	W/(m.k)	0.2			
传热阻 Heat transfer resistance	m ² .k/w	0.808	1.035	1.262	1.490
蓄热系数 Heat storage coefficient	W/(m ² .k)	2.454	2.396	2.360	2.337
热惰性指标 Index of thermal inertia	-	1.532	2.036	2.541	3.045
燃烧性能 Combustion performance	级Grade	A 级不燃 non-ignitable in A-class			
耐火极限 Fire endurance	H	≥2.5	≥4.5	≥5.0	≥5.0
空气隔声量 Air sound insulation quantity	dB	≥40	≥45	≥48	≥50
放射性 radioaction	内照指数 IRt Inside irradiation index IRt	符合建筑主体材料及装饰材料 A类 In conformity with the main body construction			
	外照指数 Ir Outside irradiation index Ir	产销和使用不受限制 Unrestricted use of production and marketing			
环保性 Environmental conservation		100%不含石棉, 不含甲醛、苯等对人体有害物质 don't contain asbestos, formaldehyde, benzene and other harmful substances 100%			

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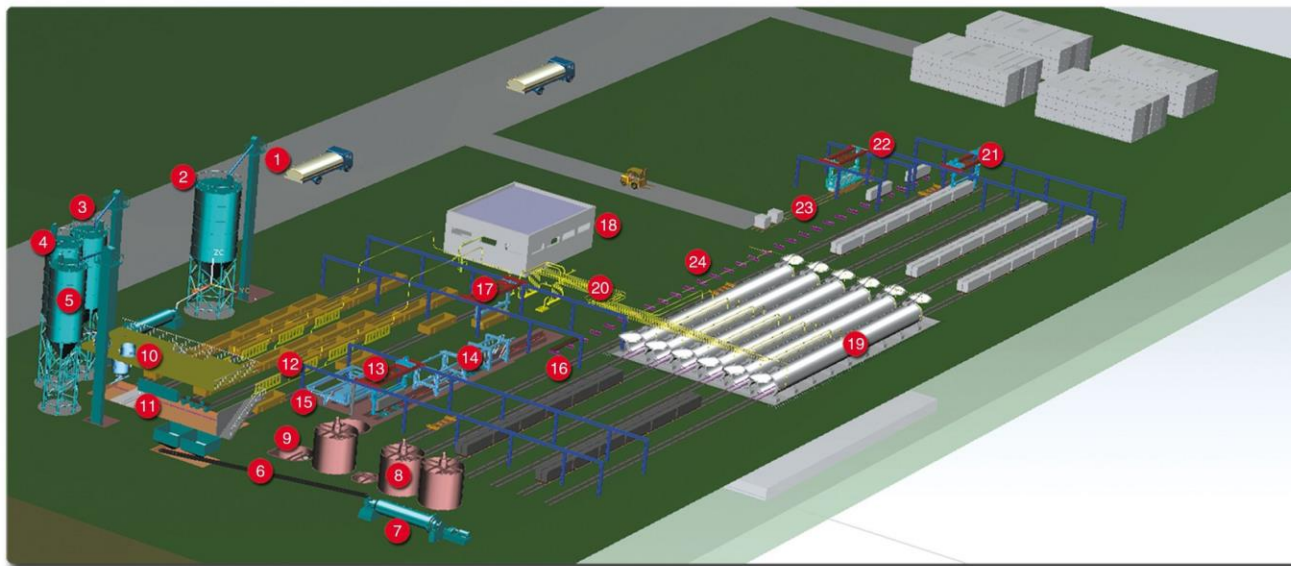
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AAC block plant production process flow diagram



- 01 斗式提升机 Bucket Elevator
- 02 石灰粒料库 Lump Lime Silo
- 03 石灰粉料库 Lime Powder Silo
- 04 水泥库 Cement Silo
- 05 粉石膏库 Gypsum Powder Silo
- 06 皮带输送机 Belt Conveyor
- 07 球磨机 Ball Mill
- 08 料浆罐 Slurry Storage Tank
- 09 打浆机 Batching System(PLC)
- 10 浇注搅拌机 Mixing and Pouring Machine
- 11 浇注摆渡车 Pouring Ferry Trolley
- 12 模框 Mould
- 13 编组运输机构与编组吊具 Grouping Conveyance Mechanism
- 14 切割机构 Cutting Machine
- 15 去底翻转台 The rolling-over table
- 16 侧板 Side plate
- 17 翻转输送机构与翻转吊具 Turnover conveyor device and tilting hoist
- 18 锅炉系统 Steam Generating System(Boiler)
- 19 蒸汽釜 Autoclave
- 20 蒸汽分配系统 Steam Distribution System
- 21 成品输送机构与成品吊具 Production conveyor device and Production hoist
- 22 成品夹运机构 Clamping and Conveying Mechanism for Finished Product
- 23 木托盘运输机构 Conveying Mechanism for Wooden Pallets
- 24 侧板辊道 Roller Conveyor for Side Panel

Horizontal cutting



Cutting rail



Frequency conversion cutting trolley



Vertical Cutting



Longitudinal Cutting Machine

Transverse Cutting Machine

Size	Main Space of Wires	Range of Oscillation (mm)	Diameter of Cutting wire (mm)	Outline Dimension (mm)		
				Length	Width	Height
4.2*1.2*0.6	10mm	7.5	Φ0.6-Φ1.0	5200	3200	3560
4.8*1.2*0.6	10mm	7.5	Φ0.6-Φ1.0	5900	3200	3560

Size	Main Space of Wires	Diameter of		Outline Dimension (mm)		
		for Horizontal Cutting (mm)	for Side Trimming (mm)	Length	Width	Height
4.2*1.2*0.6	5mm	Φ0.6-Φ0.8	Φ0.8	5500	2860	2500
4.8*1.2*0.6	5mm	Φ0.6-Φ0.8	Φ0.8	5500	2860	2500

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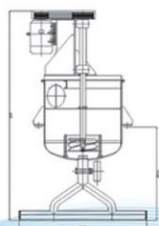
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AAC. Block Machine Line

Mixing type	Motor power	Mixing volume	Blade diameter	Blade speed
Draft tube	30kw	V=3.6m ³	Φ560mm	560r/min
Draft tube	37kw	V=4.5m ³	Φ630mm	560r/min



Turning and Demolding Sling



AAC Block Production line



Mould



Side Plate



Curing Cart

Cutting Trolley

Size	Max Traveling Speed	Reductor (Brake Motor)	Outline Dimension (mm)		
			Length	Width	Height
4.2*1.2*0.6	17.5m/min	GS77-Y3-4P-28.41-M3	3600	1700	1160
4.8*1.2*0.6	17.5m/min	GS77-Y3-4P-28.41-M3	4200	1700	1160
6.0*1.2*0.6	17.5m/min	GS77-Y3-4P-28.41-M3	5400	1700	1160

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The raw material proportion of aerated concrete block machine

Raw material proportion of aerated block contains cement, lime, fly ash, etc.

Name	Unit	Proportion
fly ash	%	65-70
cement	%	6-15
lime	%	18-25
gypsum	%	3-5
Aluminum powder paste(600kg/m ³)	1/10000	8
Water & material rate		0.60-0.65
Casting system	°C	36-40
Aluminum mixing time	S	30-40

Raw material proportion of aerated block contains sand, cement, lime, etc.

Name	Unit	Proportion
sand	%	55-65
cement	%	10-20
lime	%	20-30
gypsum	%	2-3
Aluminum powder paste(600kg/m ³)	1/10000	8
Water & material rate		0.65-0.75
Casting system	°C	35-38
Aluminum mixing time	S	30-40

Reference: the standard of cement is 42.5 Portland or common cement.

The ratio of aluminum powder is calculated according to the ratio of 600 kg/m³.

Remark: the accurate batching rate is adjustable according to the local raw material.

HLS Series Concrete Batching Plant

Concrete controlling system



Automatic control for aggregate feeding, mixing, discharging in whole process. The system has the directly control over the use of computer, and PLC control mode which achieves both automatic control. The dynamic display panel can make you know well the working condition of different components.

- Da special function of double computers and double controlling system
- The system has the directly control over the use of computer, and can service multiple users at the same time (the number of users is unlimited).
- According to the task list, different concrete type and the production needing, this system can freely shift and manufacture the concrete continuously.
- During the production, you only need to input the volume needed, this system will produce at once.
- This system can store several proportion, these proportions and the material names can be changed easily as the user's requirement.
- The order of the discharging can be regulated.
- The mixing time can be regulated according to different proportions, also can arrange differently.
- This system can achieve all the processing of the production such as feeding, discharging, mixing and output concrete automatically and dynamically.
- Each used material table, Vehicles' statements, Material ingredients fluctuations plans can be printed randomly.
- The system can realize automatic deduction and added according to the actual weighing number.
- This system can be set by manual intervention function and automatic control can be freely shifted. This will never disturb the whole producing progress.
- In the same task list, this system help to manufacture both concrete and mortar automatically without shifting the mixture proportion.
- After one task ending, system will close the mixing machinery door automatically and alarm the operator.

The main technical of mixer



shaft-end seal

Original-imported parts installation, to avoid cement and slurry closed to shaft-head, extending service life concrete mixer.



Electric lubricating oil pump

Supplying oil to the four shaft-end respectively with four pump cores, without by-pass valve, to avoid blocking of by-pass valve, decreasing maintenance and service.



Electric lubricating oil pump

Supplying oil to the four shaft-end respectively with four pumpcores, without by-pass valve, to avoid blocking of by-pass valve, decreasing maintenance and service.



Gear box

Adopt Italy gear box, long service life, low noise, no oil leakage. Discharging system Hydraulic discharging system, with strong drive force and reliable discharging, discharging door can be opened at any angle manual discharge, dismountable discharging door, convenient for maintenance.



型号	KTSB1000	KTSB1250	KTSB1500	KTSA2000	KTSA2500	KTSA3000	KTSA3500	KTSA4000	KTSA4500
材料容量 (L) Charging Volume	1500	1750	2250	3000	3750	4500	5300	6000	6750
材料容量 (M ³) Discharging Volume	1000	1250	1500	2000	2500	3000	3500	4000	4500
最大材料量 (M ³) Max of aggregate	80/100	80/100	80/100	80/100	80/100	80/120	80/120	80/150	80/150
高度 (mm) Height	5.20	5.50	5.80	7.50	8.50	9.20	9.60	12.20	12.50
电机功率 (kW) Motor Power	18X2	22X2	30X2	37X2	45X2	55X2	55X2	75X2	75X2
外形尺寸 (mm) Dimension	2810*2200*1650	3020*2200*1650	3230*2200*1650	3440*2200*1650	3650*2200*1650	3860*2200*1650	4070*2200*1650	4280*2200*1650	4490*2200*1650

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HLS Series Concrete Batching Plant



Model	HLS60	HLS90	HLS120	HLS180	HLS200	
Production (M ³ /h)	60	90	120	180	200	
Mixer	Type	JS1000/MS01500	JS1500/MS02250	JS2000/MS03000	JS3000/MS04500	JS4000/MS06000
	Power (kw)	2x22	2x30	2x37	2x55	2x75
	Output (m ³)	1	1.5	2	3	4
	Grain size (mm)	≤60	≤80	≤120	≤150	≤160
Waiting Hopper Capacity (m ³)	120	120	200	200	300	
Conveyor Capacity (t/h)	200	300	400	500	600	
Weighing Scope and Accuracy	Aggregate (kg)	3x2000±2%	3x2500±2%	2x3000±2%	2x4000±2%	2x4500±2%
	Cement (kg)	600±1%	1000±1%	1200±1%	1800±1%	2400±1%
	Additive (kg)	200±1%	500±1%	500±1%	500±1%	1000±1%
	Water (kg)	300±1%	500±1%	600±1%	800±1%	1000±1%
	Admixture (kg)	30±1%	30±1%	50±1%	50±1%	100±1%
	Total Power (kw)	85	117	130	170	220
Discharge Height (m)	3.8	3.8	3.8	3.8	3.8	

Note: 1. The total power does not include the power of the screw conveyor;



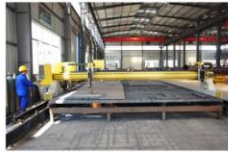
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部分环保装饰砖样品 Applied Examples For Block

QSZ01 390×240×190	QSZ02 390×240×190	QSZ03 390×190×190	QSZ04 390×190×190	QSZ05 390×190×190	QSZ06 240×115×90	QSZ07 390×120×190	QSZ08 390×120×190
QSZ11 240×240×90	QSZ12 240×180×90	QSZ13 240×180×90	QSZ14 240×180×90	QSZ15 390×190×190	QSZ16 240×115×90	QSZ17 240×115×90	QSZ18 190×190×190
保温砖 HF01	景观砖 HF02	景观砖 HF03	250x250x60 HF04	400x400x100 HF05	250x250x60 HF06		
390x240x190孔 HF07	390x190x190孔 HF08	240x115x90孔 HF09	240x240x60 HF10	250x250x60 HF11	250x250x60 HF12		
240x180x90孔 HF13	240x180x90孔 HF14	240x180x90十一孔 HF15	220x110x50 HF16	200x160x50 HF17	200x100x50 HF18		
390x115x190孔 HF19	390x90x190孔 HF20	240x115x90孔 HF21	250x250x60 HF22	250x176x60 HF23	240x130x60 HF24		
190x40x90孔 HF25	250x190x70孔 HF26	400x300x100 HF27	200x100x50 HF28	500x350x150 HF29	1000x350x150 HF30		
250x250x50 HF31	400x400x60 HF32	300x300x60 HF33	200x120x60 HF34	240x240x60 HF35	250x250x60 HF36		