

Wall Material Machinery



鼎联国际集团



UNIONLEVER INTERNATIONAL GROUP



Finished Products Photos



JK Full Series of Double Stage Vacuum Extruder



Description

This machine is suitable for producing all kinds of hollow brick with material like gangue, shale, fly ash as well as clay. The spiral cut reamer of the machine adopts wear-resistance metal spray painting technology; The upper stage mixing shaft, the cut reamer big shaft, the up-down body etc. are all passed the aging, quenching and tempering process. The reducer gearwheel is the hardened tooth face. Adopting the spiral pressure plate patent technology on the clutch largely prolonged the service life of equipment. At the same time, reasonable design, compact structure, the equipment can work steadily without installing of foundation bolts. It can largely reduce the consumption of power for vibration in working process.

Technical Parameters

Type	Production capacity (pieces/hour)	Equipped power(kW)	Rotation speed of main shaft (r/m)	Dimension (mm) L×W×H
JKY60/60-40	16000-20000	Y6-75 Y6-220	32 20	5450×5960×2700
JKY50/50E-40	12000-16000	Y6-55 Y6-160	38 25	5300×5550×2500
JKB50/50B-35	12000-16000	Y6-55 Y6-160	38 25	6500×1850×2500
JK50/50C-30	12000-16000	Y6-55 Y6-132	38 25	6470×1800×2500
JKB45/45D-30	11000-14000	Y6-45 Y6-110	40 28	6320×1800×2420
JKR45/45F-25	11000-14000	Y6-45 Y6-110	40 28	6100×1680×2370
JKR40/40F-20	9000-12000	Y6-45 Y6-90	40 35	5400×1600×2220
JKR35/35D-20	7000-9000	Y6-22 Y6-75	32 32	5000×1550×2050

JKRL Full Series of Energy Saving Vacuum Extruder



Description

This machine is the patent product. Upper and lower stage use one electric motor with characteristic of compact structure, out view novelty, energy saving and high efficiency, high extruding pressure, wide practicability and low investment. It is the ideal equipment of technological reform for middle and small sized enterprise.

Technical Parameters

Type	Production capacity (pieces/hour)	Equipped power(kW)	Rotation speed of main shaft(r/m)	Dimension (mm) L×M×H
JKRL45/45-25	10000-13000	Y6-110	36	5280×1700×1850
JKRL40/40-20	8000-11000	Y6-90	42	4700×1700×1700
JKRL35/35B-15	7000-9000	Y6-75	37	4600×1500×1550

JZ Common Vacuum Extruder



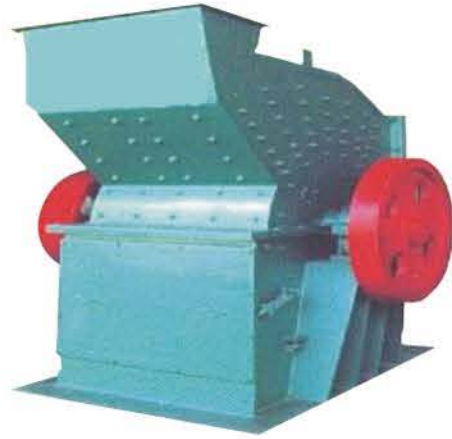
Description

This series brick extruder is suitable to extrude standard brick. The feeding gate equipped with double clay press plate. The clutch device adopts new spiral pressure plate type (patent). The extruder has such features like high production efficiency, compact structure, stable performance, reasonable design, no need foundation bolt, easy maintenance and so on.

Technical Parameters

Type	Production capacity (pieces/hour)	Equipped power(kW)	Rotation speed of main shaft(r/m)	Dimension (mm) L×W×H
JZ40-6	9000-11000	Y4-55	50	3850×1200×1120
JZ350A	7000-9000	Y6-45	52	2700×1150×1100

GXPC Reaction Crusher



Description

This machine is mainly applicable for pulverizing hard raw material like gangue, shale, slag and so on. Its features: work steady, output high, discharge fine etc. Its hammer head, screen deck and jaw plate adopt high strength anti-friction material. The hammer head design is unique, may turn over to use. The screen deck gap can be adjusted according to fineness request of material. It is the ideal equipment for pulverizing hard raw material.

Technical Parameters

Type	Production capacity pieces/hour	Discharge particle size(mm)	Rotation speed of main shaft r/m	Equipped V belt	Equipped Power (KW)	Dimension(mm) L×W×H
GXPC100×80	15-25	0-5	≤700	6D-4800	Y4-75	1900×1800×2200
GXPC110×100	45-55	0-8	≤800	9SPC-5500	Y4-132	2040×2440×2170

PC Series of Hammer Crusher



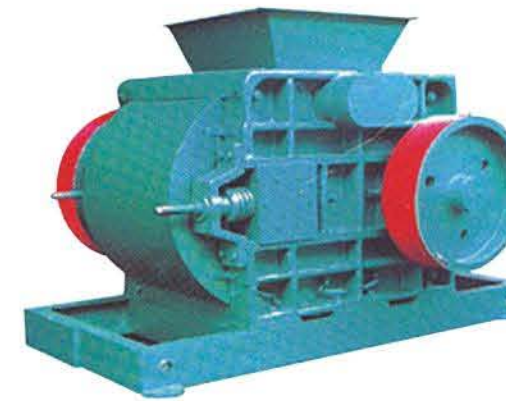
Description

This machine is mainly applicable for pulverizing hard raw material like gangue, shale, slag and so on. The hammer head can be turned over to use. That saves the expense and cost is inexpensive.

Technical Parameters

Type	Production capacity pieces/hour	Discharge particle size(mm)	Equipped power (kW)	Equipped V belt(mm)	Dimension (mm) L×W×H
PC100×80B	30-45	0-8	Y4-75	6D-4500	1400×1750×1880
PC80×55	10-15	0-5	Y4-55	5D-3600	1080×1400×1400

GS Series of Fine Pulverizing Double-Roll Grinder



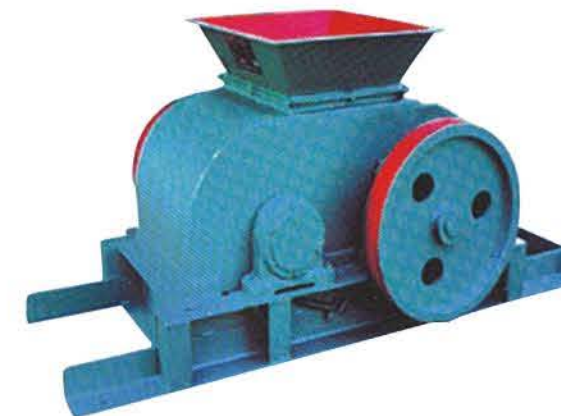
Description

This machine is applicable to grind and mill raw material. The roller body material adopts wear resistance iron and alloy steel, and rollers also are treated by quenching process. Hardness value may reach HRC60° -62° ;On the roller body is equipped with material distribution device. Not only the entire roller body width may play the grinding role to enhance the grinding fineness and the output, also may cause the roller body uniform wear, effectively solved the middle wear phenomenon.

Technical Parameters

Type	Production capacity (pieces/hour)	Discharge particle size(mm)	Angular rate of roller R/M		Equipped power(kW)	Equipped V belt(mm)	Dimension L×W×H(mm)
GS80×60B	20-25	≤3	248	217	Y6-22×2	6C×4800 6C×4600	3150×1580×1550
GS70×50B	10-20	≤3	248	217	Y3-18.5×2	6C×4800 6C×4600	2920×1450×1450

SGP Series of Ordinary Rolling Crusher

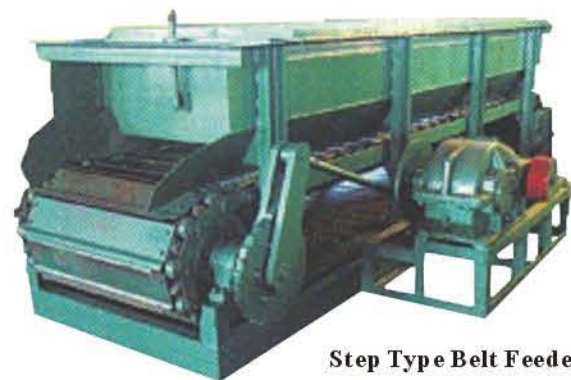


Description

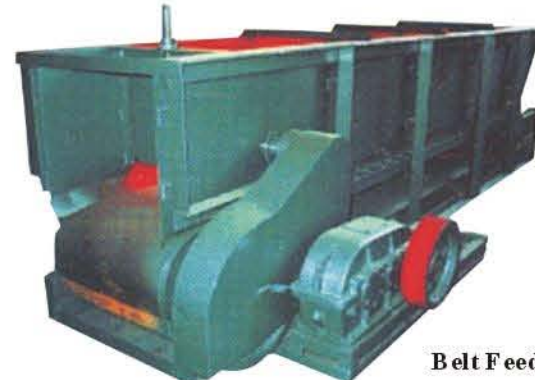
Like the GS series of fine pulverizing double-roll grinder, this kind of machine is raw material grinding and milling equipment. Having features like small power, low price, the equipment is fit for middle-little enterprise. In addition, if added spiral groove on the roller body, it will have the stone separating function.

Type	Production capacity (pieces/hour)	Discharge particle size(mm)	Angular rate of roller R/M		Equipped power(kW)	Equipped V belt(mm)	Dimension L×W×H(mm)
SGP70×50	25-35	≤5	233	210	Y6-15×2	5C×4935 5C×5300	2500×1150×1200
SGP60×60	20-25	≤5	224	198	Y6-11×2	8C×4500	2200×1150×1200

GD Series of Box Feeder Machine



Step Type Belt Feeder



Belt Feeder

Description

This machine is mainly used for constant feeding of material before grinding or after grinding or after aging. Our company produces different types of box feeder machine such as step type caterpillar feeder, step type belt feeder, continuous type belt feeder machine etc. They can meet different material requirements & different specification of extruding machine.

Technical Parameters

Type	Production capacity (pieces/hour)	Equipped power (kW)	Equipped V belt (mm)	Dimension (mm) L×W×H
GD50×300	10-30	Y6-5.5	3A-2010	3100×1450×1340
GD60×400	10-35	Y6-5.5	4B-2180	4300×1550×1350
GD70×450	10-40	Y6-7.5	4B-2500	5000×1400×1400
GD80×450	10-45	Y6-7.5	4B-2500	5000×1500×1400
XGL80×400 XGD80×400	10-45	Y4-7.5	5B-2640	4700×1900×1450
XGL60×400 XGD60×400	10-35	Y4-5.5	4B-1730	4400×1600×1400

Round Roller Type Sieve



Technical Parameters

The round roller type sieve is used to remove stone from clay and sieve coal gangue, shale it is the ideal raw material grading equipment for mining, building material and brick making enterprises.

Specification	Production capacity	Motor power (Kw)
XS30000×1500	≤40	2.2
XS50000×1500	≤40	3

Technical parameters

The series round roller type sieve has high yield, simple structure, easy maintenance, and the device hits the roller repeatedly hits screening surface as roller screen rotates, so as to prevent materials from sticking sieve.

Crushing Roller Sieve



Technical Parameters

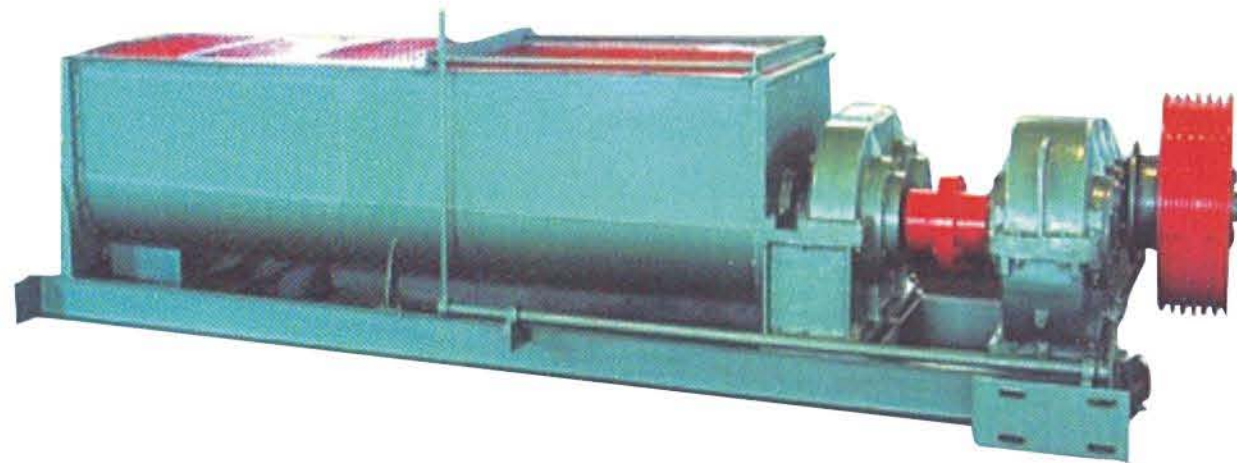
The crushing roller sieve is the new raw material crushing and sieving equipment developed by our factory, which can not only coarsely crush soft shale, large pieces of clay, but also sieve stones, tree roots and other sundries from the raw materials by making use of the reverse rotation of crushing roller and sieve body.

Technical parameters

It has double functions of crushing and sieving; it has rational structure, easy maintenance, economic use, and can effectively improve the utilization rate of raw materials.

Specification	Production capacity	Motor power (Kw)
XZPS300	30 ~45	7.5

SJ Series of Double Shaft Mixer



Description

As necessary raw material treatment equipment in brick and tile production process, this equipment has the function like mixing, agitating, homogenizing.

Technical Parameters

Type	Production capacity (pieces/hour)	Equipped power(kW)	Rotation speed of main shaft (r/m)	Dimension (mm) L×W×H
SJ360×40	30-40	Y4-75	35	5800×1700×980
SJ360×36B	25-35	Y4-55	35	5700×1600×920
SJ360×32B	20-30	Y4-45	40	5700×1500×900
SJ280×36B	25-35	Y4-37	35	4700×1600×830
SJ280×32	20-30	Y4-37	40	4700×1400×830
SJ260×32	20-30	Y4-30	40	4500×1400×830

QP Series Cutter

Dovetail Type Cutter



Tram Road Cutter



Description

This machine is applicable for cutting column segment into green brick according to the different requirement. In order to meet different requirement of extruder and production technology, the company designed and manufactured the dovetail (coattail form) type cutter, automatic cutter and the tram road cutter. The cutting size of these kinds of cutter can be nimblely adjusted. Its features: orientation nicely, separation thoroughly, operation steadily, to and fro flexibly and green brick to cut regular and uniform.

Technical Parameters

Type	Travel length (mm)	Maximum cutting height(mm)	Cutting (frequency/min)	Rotation speed of main shaft(r/m)	Dimension (mm) L×M×H
QP automatic cutter	double 600 single 360	200 200	26	Y4-7.5 Y4-1.1 Y4-5.5 Y4-1.1	2800×3250×1550
YWQP21 dovetail eurtter	480	240	26	Y4-4	2720×1520×1550
QP23D tram road cutter	450	240/330	26	Y4-5.5	1800×1520×1550

QT Series of Adjustable Column Segment Slitter



KQZ Vertical Slitter



Synchronous Slitter

Description

This machine is used for cutting the adobe strip from extruder according to the length requirement of adobe piece cutting machine to adobe section, and feed them into piece cutting machine. To meet different requirement of production technology, our company produces two kinds of different products: vertical section cutter, circular arc cutter. This machine may adjust the cutting strip length and cut the adobe strip automatically. The vertical cutter has the features like vertical cutting, small stub, and high efficiency.

Technical Parameters

Type	Feeding speed (m/s)	Equipped Power (kW)	Dimension (mm) L×W×H
KQZ	1-1.3	Y6-1.1	2500×650×1140
QT500×190	1-1.3	Y4-1.5	3300×1060×1400
QT290×190	1-1.3	Y4-1.5	2700×800×1400

Full-Automatic Setting System



Description

The system consists of 6 sets of equipment of lengthened automatic strip cutting machine, ZQP36 automatic brick cutting machine, GD automatic transition machine, MPJ automatic setting machine, FPJ blank separating machine and automatic turning vehicle of drying car.

Technical Parameters

Installed capacity	Length of maximum blank cutting mud	Production capacity	Maximum pressure of hydraulic system	Gas source pressure	Maximum pushing times	Outline dimension (mm)
(Unified equipment of motor in hydraulic station, 15kw in total)	2000mm	25000 pieces /hr(standard)	10Mpa	0.6Mpa	≤14times/min	3646×1455×1415 (Blank cutting machine) 3264×995×755 (Stripe cutting machine)

Grouping Machine Waiting for Transition

Installed capacity	Length of maximum blank cutting mud	Production capacity	Maximum pressure of hydraulic system	Maximum pushing times	Nature of the mud	Outline dimension (mm)
2KW+(Unified equipment of motor in hydraulic station, 15kw in total)	1980mm	25000 pieces /hr(standard)	3Mpa	≤4times/min	Semi-hard plastic hard plastic	4400×1640×1599

Automatic Brick Separating Machine

Maximum brick separating pieces	Maximum blank separating time	Maximum pressure of pushing gas source	Outline dimension (mm)
36 pieces(standard)	4 times/min	0.6Mpa	3500×1000×690

Automatic Setting Machine

Installed capacity	Production capacity	Maximum of pressure required by ascending and descending	Maximum pressure of folder blank gas source	Outline dimension (mm)
3KW+(Unified equipment of motor in hydraulic station, 15Kw in total)	≤120vehicles/hr	10Mpa	0.6Mpa	4750×4000×(2926+900)

Automatic Turning Vehicle of Drying Car

Installed capacity	Production capacity	Maximum turning times	The maximum of voltage required by turning	Outline dimension (mm)
Unified equipment of motor in hydraulic station, 15kw in total	≤120vehicles/hr	4 times/min	6Mpa	5689×1275×508

Advantages

- A.High yield; the maximum yield of the system exceeds 20,000 standard pieces/hour, while the maximum yield of domestic similar products is below 15,000 standard pieces/ hour;
- B.Accurate positioning and small mud; the system takes the approach of soft start and soft stop with electrode, thus having low impact on mud and accurate positioning. The domestic similar products mostly adopt baffle positioning methods, which have strong impact on mud, thus the front mud is severely distorted because of impact;
- C.Transition is added to avoid shutdown when the mud is too quick;
- D.Brick balloon folder is taken to avoid drooping brick and damage of plate to the surface of brick;
- E.Dispatching modes by turning of drying car not only saves time but also adds stability during the operation of setting machines;
- F.Energy-saving, small power, steady work; the automatic setting hydraulic system adopts the operating mode of energy storage container and single drive to avoid frequent start of motor.

Kiln Operating Equipment



The machine is the auxiliary equipment used for tunnel type drying room in sintering brick and tile factory. It adopts hydraulic cylinder pusher which has steady running, quick and reliable braking and also opening-door mechanism can be added.

Technical parameters

Specification type	Thrust(kg)	Stroke(mm)	Power(Kw)
Single cylinder	≤5000	<2100	3.7+5.5
Double cylinders	≤5000	<2100	3.7+11

Adopt dual piston hydraulic cylinder pusher, which is safe and reliable and has the features of convenient adjustment of thrust, fast pushing speed, steady braking, convenient maintenance and high pushing efficiency.

Tunnel Kiln Ferry Pusher



The series product is the new tunnel kiln ferry equipment developed by our factory. One device can achieve multiple functions of ferrying, pulling and pushing.

Technical parameters

Specification type	Pushing force	Pulling force(T)	Stroke(mm)	Power(Kw)
BDC	≤3	≤1.5	<1900	4+2.2
DCJ	≤50	≤2.5	<4000	4+2.2+22
	≤3	≤1.5	<1900	

Advantagea

Single device can achieve functions of ferrying, pulling and pushing; reliable running and simple operation; it saves manpower and equipment investment and increase production efficiency.



Tunnel kiln Single cylinder Pusher

Description

Adopt all hydraulic Pusher and use for all kind tunnel kilns.

Technical parameters

Specification type	Pushing force(T)	Stroke(mm)	Power(Kw)
DCJ-30	≤30	<3500	18.5
DCJ-60	≤60	<5000	30

Reliable running and simple operation it is convenient to adjust the speed of pusher.

The series BJJ stepping machine, QY return traction engine, kiln placing tow and so on

The series BJJ stepping machine, QY return traction engine, kiln placing tow and so on are used to course and backhaul for all kind tunnel kilns, all series equipment were designed and manufactured by our factory, which full considering the economical efficiency and reliability for customer usage, reliable running and simple operation.

Other Equipments

Various Conveyors
Reversible Belt Conveyer (special for aging silo)
Batch Brick Transportation Machine

QT12 (XL)-15 Automatic Block Making Machine



Technical Parameters

Excitation force	100KN	
Vibrating frequency	0-4 , 000 times/minute (adjustable)	
Power	51.4KW (host machine)	
Shaping method	Material automatic charging,vibrating and pressing	
Control method	Automatic PLC control	
Pallet size	1200x1200x30mm (bamboo pallet)	
Shaping cycle	15-20S (depend on material)	
Brick No./mold	530 x 200 x 200mm : hollow block	10pcs/mold
	390 x 190 x 190mm : hollow block	12pcs/mold
	240 x 115 x 90mm : small hollow block	36pcs/mold
	240 x 115 x 53mm : solid brick	76pcs/mold
Frame dimensions	9025x2500x3020mm	
Netweight	12.5T	

Core of full automatic production line: centre control system adopts PLC & industry computer which has fully- auto, Semi-auto & manual three kinds of operating modes that can keep uninterrupted production. Its operation is visual and applied using color animating controlling panel to simulate the producing process and infinitely variable speed can choose most reasonable speed and can reduce speed to brake and locate with precision. It uses long distance, no-touch inductive switch which will never wear out to enhance the stability of the system. Its precise replacement transducer measure and auto tracking system show its high reliability and high stability. With perfect data system, various advanced statistical report and typing function and capability of automatic fault diagnosis and inspecting, it strongly guarantees the safe producing.



Curber system Forming system Working site Figer carts Curing room Elevator & lowerator

QT10-15 Automatic Block Machine



Technical Parameters

Dimension	7680×2100×3090mm
Rating pressure	21MPa
Vibration	Table vibration
Vibration frequency	2800-1500r/min
Pallet size	1100×950mm
Cycle time	15-25 sec
Power	45.38 kW
Weight	11615kg

Main Products and Capacity

Items	Size (L×W×H)	Production Capacity			
		Pcs./mould	Pcs./mould	Pcs./8hours	One year(300 days) production
Blocks	390×190×190mm	10	2,400	19,200	5,760,000
Porous Bricks	240×115×90mm	28	6,720	53,760	16,128,000
Solid Bricks	240×115×53mm	52	12,480	99,840	29,952,000
Holland Bricks	200×100×60mm	36	8,640	69,120	20,736,000



QT8-15 Automatic Block Making Machine



Technical Parameters

Profile size	6600mm×2040mm×2960mm (Includes Pallets Feeder & Green Block Conveyor)		
Rating pressure	21Mpa		
Major vibration type	Table vibration		
Vibration frequency	2800~4500r/min.		
Pallet size	wood	1100×680mm	
	steel	1100×680mm	
	bamboo	1100×680mm	
Cycle time	15~25Sec.		
Total power	45KW		
Overall weight	10800kg		

Main Products and Capacity

Items	Size(mm) (L×W×H)	Production Capacity		
		Pcs./mould	Pcs./hour	Pcs./8hours
Standard Block	390×190×190mm	7.5 pcs./mould	1800 pcs./hr	14400pcs./8 hrs
Standard Block	200×200×400mm	7.5 pcs./mould	1576pcs./hr	12608pcs./8 hrs
Standard Brick	240×115×53mm	30 pcs./mould	7200 pcs./hr	57600 pcs./8 hrs
Porous Brick	240×115×90mm	20 pcs./mould	3840 pcs./hr	38400 pcs./8 hrs
Paving Stone	250×250×(50~100) mm	8 pcs./mould	1920 pcs./hr	15360 pcs./8 hrs
Concrete Curb	500×300×120mm	2 pcs./mould	480 pcs./mould	3840 pcs./8 hrs

QT5-15 Block Making Machine



Technical Parameters

Dimension	6600×2090×3000mm
Rating pressure	21MPa
Vibration	Table vibration
Vibration frequency	2800~4500r/min.
Pallet size	1100×560mm
Cycle time	11~25sec.
Power	35.88kW
Weight	9360kg

Main Products and Capacity

Items	Size(mm) (L×W×H)	Production Capacity			
		Pcs./mould	Pcs./hour	Pcs./8hours	One year(300 days) production
Blocks	390×190×190mm	5	1,200	9,600	2,880,000
Porous Bricks	240×115×90mm	16	3,840	30,720	9,216,000
Solid Bricks	240×115×53mm	32	7,680	61,440	18,432,000
Holland Bricks	200×100×60mm	18	4,320	35,560	10,368,000

THE SKETCH MAP FOR SIMPLE BLOCK MAKING MACHINE PRODUCTION LINE



QT4-15 Semi-Automatic Block Making Machine



Technical Parameters

Production per Mould	4pcs/mould390×190×190(mm)
Cycle Time	15-20S
Production per shift	8000-7000pcs/8hour
Vibration Force	50kN
Total Power	30kW
Pallet Size	880×540×20(mm)
Dimension	4550×3000×2500(mm)
Total Weight	4.5T

QT4-20 Automatic Block Making Machine



Technical Parameters

Production per Mould	4pcs/mould390×190×190(mm)
Cycle Time	20-30s
Production per shift	4000-5000 pcs 390×190×190(mm)
Vibration Force	50kN
Total Power	18.5kW
Pallet Size	880×540×20(mm)
Dimension	4550×3000×2500(mm)
Total Weight	4.8T

QT3-20 Block Making Machine



Technical Parameters

Dimension	5130×3860×2520mm
Rating pressure	8MPa
Vibration frequency	3800-4200r/min
Pallet size	680×535mm
Cycle time	15-20sec
Power	19.95kW
Weight	3808kg

Description

The simplest hydraulic system and operation essentials can be learnt easily in few minutes. The stratiform colored layer can be fed with the simple horizontal twice material feeding system. The pressing and vibration combined organically. The finished products have high density and excellent capability.

With compact structure, simple operation, convenient maintenance, steady capability, efficient and good practicability, this machine is suitable for customers with small or medium amount of investment.

Technical Parameters

Items	Size (L×W×H)	Production Capacity			
		Pcs./mould	Pcs./hour	Pcs./8hours	One year(300 days) production
Blocks	390×190×190mm	3	540	4,320	1,296,000
Porous Bricks	240×115×90mm	8	1,440	11,520	3,456,000
Solid Bricks	240×115×53mm	18	3,240	25,920	7,776,000
Holland Bricks	200×100×60mm	10	1,800	14,400	4,320,000

YX-2000S/3000S
Concrete Curb and Paving Stone Forming Machine



Technical Parameters

Max. Pressure	2000kN/3000kN
Cylinder diameter	220mm×2/250mm×2
Power	19.5kW
Weight	8200kg/10200kg
Dimension	9300×2200×3500mm/9300×2200×3650mm
One-shift yield	(Max. length: 1000mm)500pcs

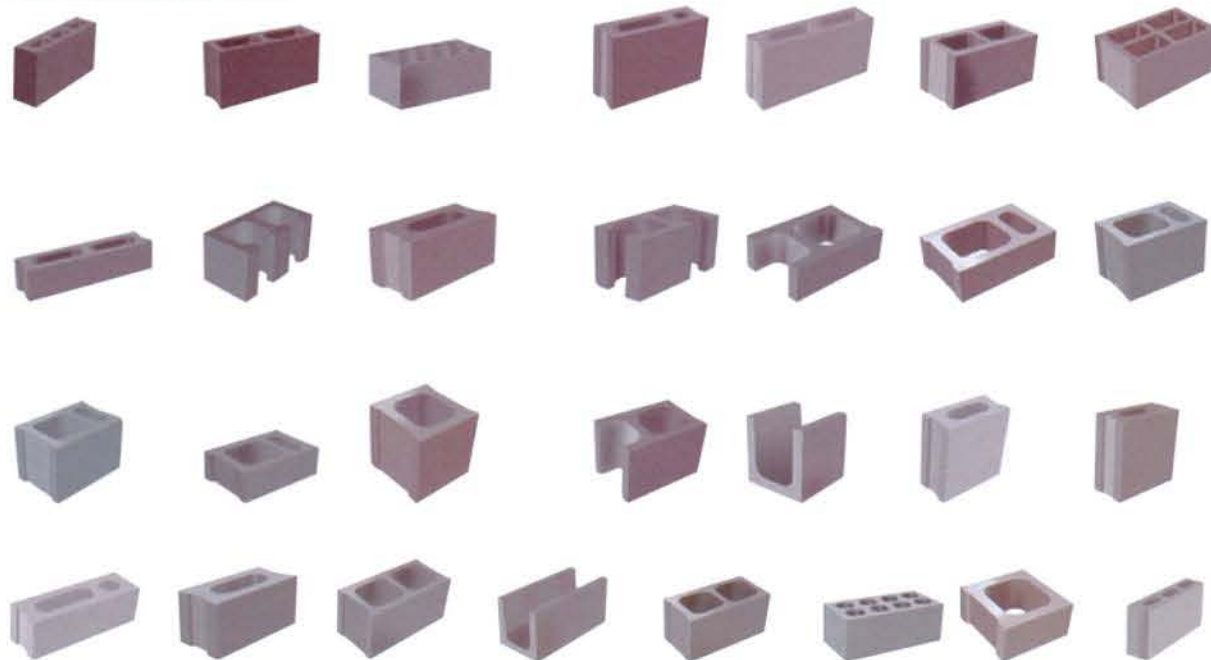
YX-1500K
Concrete Curb and Paving Stone Forming Machine



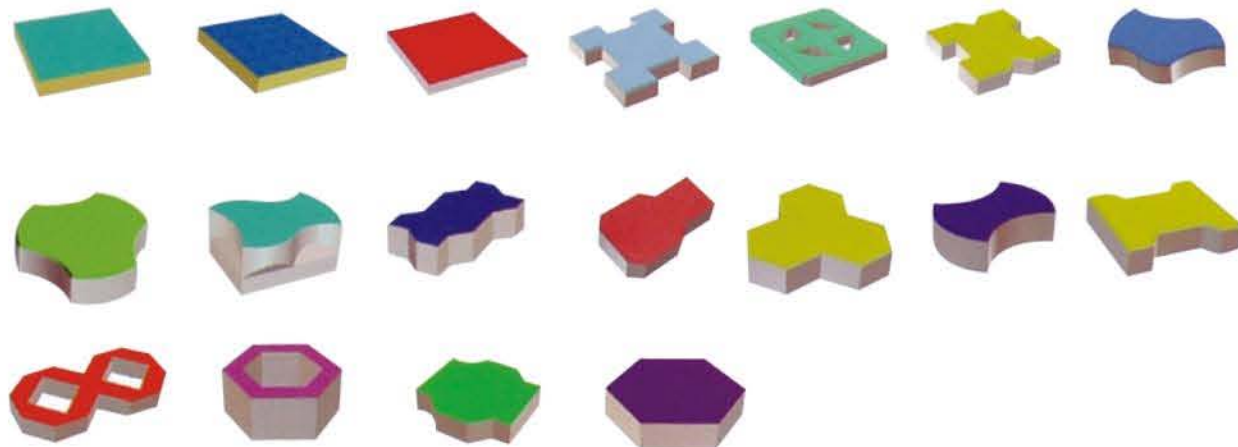
Technical Parameters

Max. Pressure	1500kN
Cylinder diameter	250mm
Power	7.7kW
Weight	3600kg
Dimension	2390×2390×2550mm
One-shift yield	
Curb(500×600mm)	800pcs
Curb(500×300mm)	1100pcs

Wall Block Series



Paving Stone Series



Curb Series

