



Clay Machine Catalogue – 2026

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About Us

Gongli Group is a modern enterprise that follows the principal “value chain thinking and platform concept” as its development strategy. The company is dedicated to implementing China’s “dual-carbon” strategy, focusing on green, low-carbon and circular development. We concentrate on the utilisation of solid waste resources in the construction of zero-waste cities. Through technological innovation and a commitment to quality, we have built a strong brand advantage, continuously contributing to the development of zero-waste cities.

The Group owns subsidiaries like Gongli Machinery, Gongli (Shandong) Motor Technology and Shandong Chanyan Intelligent Motor Research Institute. We have strong R&D capabilities and general contracting qualifications, with products that are recognised for their industry-leading technology, quality and market share both domestically and internationally.

Gongli Group leads industry transformation from traditional to smart manufacturing. Guided by principles of “platform thinking, internet mindset and industry structure”, we specialise in comprehensive solutions for large-scale solid waste disposal in zero-waste cities and the development of intelligent green building material factories. By leveraging advanced solid waste conversion technologies and equipment, we are reshaping the concept of green building materials for the new era.



JZK Series Double-Stage Vacuum Extruder



Main Characteristics

- High output with low energy consumption, perfect for large-scale production.
- Sleek, sturdy and stable design with an integrated body.
- Automated monitoring and early warning system for seamless control.
- Ideal for producing large blocks, wall panels and floor slabs for prefabricated buildings.

Main Technical Parameters

Model	Capacity [bricks/hour]	Power [kW]	Vacuum [Mpa]	Max Pressure [MPa]	Dimensions [mm]
JZK120	35,000-50,000	450+200	≤-0.092	4	8,900x9,275x3,925
JZK100	26,000-38,000	355+160	≤-0.092	4	7,700x9,150x3,860

JZK Series Double-Stage Vacuum Extruder



Main Characteristics

- Compatible with a wide range of raw materials, simplifying crushing and pre-processing.
- Reduces the moisture content of formed bodies, cutting drying costs.
- Supports extrusion moulding for materials of varying plasticity, offering future flexibility.
- Support both single and double firing options, streamline the process and reduce investment.
- Finished products are highly compressed, dense and can handle multiple stacking layers.
- The screw blade rheological extrusion technology is energy-efficient, low-consumption and high-output, supporting balanced automation and digital production.
- Consumable parts are standardised and serialised, ensuring simple supply.

Main Technical Parameters

Model	Capacity [bricks/hour]	Power [kW]	Vacuum [Mpa]	Max Pressure [MPa]	Dimensions [mm]
JZK90	20,000-32,000	315+132	≤-0.092	4	6,990x9,550x3,510
JZK75	15,000-22,000	250+110	≤-0.092	4	6,835x9,130x3,295
JZK60	8,500-14,600	200+90	≤-0.092	4	6,245x8,025x2,925
JZK50	6,800-13,000	132+55	≤-0.092	4	5,520x6,690x2,458

JKY Series Double-Stage Vacuum Extruder



Main Characteristics

- Features large cross-section and multi-clay extrusion, making it a premium vacuum extrusion forming machine.
- Delivers high output with low energy consumption, offering energy efficiency, environmental benefits and strong practicality.
- Compact and well-designed for easy installation and maintenance.
- High extrusion pressure with excellent load-bearing capacity, creating a dense and solid form with a high vacuum level.
- Versatile, with configurations for both soft and hard materials, accommodating a wide range of raw materials.

Main Technical Parameters

Model	Capacity [bricks/hour]	Power [kW]	Vacuum [Mpa]	Max Pressure [MPa]	Dimensions [mm]
JKY80/70	42,000-60,000	500+250	≤-0.092	4	9,650x10,825x3,920
JKY75/65	35,000-55,000	450+220	≤-0.092	4	8,930x10,375x3,535
JKY60/60	22,000-32,000	250+110	≤-0.092	4	8,395x7,375x3,160

JZK10 Test Extruder



Technical Parameters

Model	Power [kW]	Vacuum [Mpa]	Max Pressure [MPa]	Dimensions [mm]
JZK10	4+1.5	≤-0.092	3	1,900x550x1,500

GS Series Roller Crusher



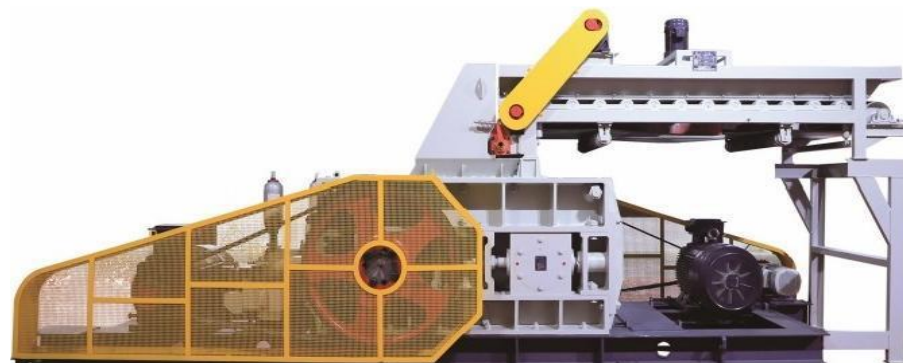
Main Characteristics

- Ideal for crushing and homogenising dry, wet and various types of raw materials.
- Controls particle size during the crushing process and improves the plasticity of the raw materials.
- Built for durability with excellent wear resistance, strong crushing power and high production efficiency.
- Compact design, high operational efficiency, long service life and versatile for a wide range of applications.

Main Technical Parameters

Model	Capacity [tons/hour]	Power [kW]	Roller Diameter [mm]	Roller Width [mm]	Dimensions [mm]
GS140x120	80-120	132+110	1,400	1,200	7,800x2,900x2,530
GS120x100	50-90	110+90	1,200	1,000	6,800x2,100x2,200
GS100x80	35-50	45+45	1,000	800	4,200x1,840x1,800

GS Series Roller Crusher



Main Characteristics

- Ideal for fine crushing of dry, wet and other raw materials before moulding.
- Compact design with a cast bearing seat structure, ensuring high machine strength.
- Features durable alloy wear-resistant rollers for longer service life and reduced crushing costs.
- The scraper structure efficiently handles wet materials while maintaining low operating noise.
- Centralized lubrication system makes it quick and easy for daily maintenance.

Main Technical Parameters

Model	Capacity [tons/hour]	Power [kW]	Roller Diameter [mm]	Roller Width [mm]	Dimensions [mm]
GS120x140	60-130	90+90	1,100	1,400	6,910x2,540x1,740
GS120x120	50-110	75+75	1,200	1,200	6,580x2,330x1,660
GS100x120	50-110	55+55	1,000	1,200	6,440x2,330x1,630

GDY Series Fine Roller Mill



Main Characteristics

- High crushing efficiency, achieving a large crushing ratio, rapidly crushing large materials into the required particle size.
- Wide range of applications, especially suitable for raw material processing of fair-faced bricks and thermal insulation blocks.
- Suitable for processing both dry materials and mud-like materials after adding water.
- Features extrusion and shearing functions, resulting in high-production, high-yield and convenient maintenance.
- Manufactured using high-quality wear-resistant materials, ensuring a long service life.

Main Technical Parameters

Model	Capacity [tons/hour]	Power [kW]	Roller Diameter [mm]	Roller Width [mm]	Feed Size [mm]	Gap Size [mm]	Roller Speed [rpm]
GDY80X120	40-120	110+110	800	1,200	≤10	≥0.8	464

2PGC Series Primary Crusher



Main Characteristics

- High-strength frame structure, specifically designed for crushing and screening medium-soft and medium-hard raw materials.
- Features low noise, minimal dust generation, compact structure, low energy consumption, high production and uniform output.
- Adjustable gap, using static pressure material layer crushing principle to squeeze and shear raw materials, suitable for crushing frozen soil, shale and coal gangue.
- Roller ring working surface made of wear-resistant alloy, improving crushing life.
- Multiple tooth profiles suitable for complex raw materials with high viscosity and high moisture content.

Main Technical Parameters

Model	Capacity [tons/hour]	Power [kW]	Roller Diameter [mm]	Roller Width [mm]	Sieve Size [mm]	Dimensions [mm]
2PGC60x120	80-150	55+55	600	1,200	≤120	4,160x2,200x1,570

GXP Series Hammer Impact Crusher



Main Characteristics

- The product features fine output particle size, high yield and a large swirl diameter.
- Durable hammerheads that can be reused based on wear.
- Adjustable impact plate ensures optimal distance between the hammerhead and the impact plate.
- Liner and impact plate are made of special materials.
- The housing uses four hydraulic jacks for easy maintenance and repair.
- Tightly sealed bearings prevent dust from entering and extend bearing life.
- Modulated spindle design.

Main Technical Parameters

Model	Capacity [tons/hour]	Power [kW]	Feed Size [mm]	Discharge Size [mm]	Rotator Diameter [mm]	Rotator Length [mm]
GXP1616	130-150	355	≤300	≤20,60-80%≤2.5	1,600	1,600
GXP1415	100-120	280-315	≤300	≤20,60-80%≤2.5	1,400	1,500
GXP1213	60-80	185-200	≤200	≤20,60-80%≤2.5	1,200	1,300

2PC Series Double Rotor Hammer Crusher



Main Characteristics

- Two systems within the machine chamber, with upper and lower stages of crushing, completing medium and fine crushing in one machine.
- Output particle size is below 3 mm, with over 85% below 2 mm, of which 60% is surface material. Ideal for brick factories, its particle size distribution is optimal, making it particularly suitable for producing porous bricks and thin-walled bricks;
- This machine has no screen or grate, preventing clogging by wet materials.
- Hydraulic opening and closing of the machine casing facilitate quick and easy hammer replacement and maintenance.
- Two-way adjustable gap for hammers and liners gives real-time control of output particle size.
- Dual-shaft, dual-flywheel design ensures smooth operation and high inertia, saving over 20% in electricity.

Main Technical Parameters

Model	Capacity [tons/hour]	Power [kW]	Feed Size [mm]	Discharge Size [mm]	Max Feed Moisture [%]
2PC1614	120-150	200+200	≤180	≤3	≤20
2PC1412	80-120	132+160	≤150	≤3	≤20
2PC1210	60-80	110+132	≤130	≤3	≤20
2PC1010	50-65	90+110	≤130	≤3	≤20

QJ Series Stirring Mixer



Main Characteristics

- Suitable for raw material processing before moulding.
- Performs functions such as stirring, homogenising, kneading and pre-extruding of raw materials.
- Effectively improves the plasticity index of raw materials and enhances the mixing degree of different raw materials.
- Newly designed with a reasonable structure, convenient operation and maintenance.
- The stirring blade and agitator are made of highly wear-resistant materials, extending service life, effectively reducing replacement frequency and production costs, resulting in high output and low energy consumption.
- Suitable for the production of porous bricks, thin-walled hollow bricks, large blocks and other brick types.

Main Technical Parameters

Model	Capacity [m ³ /hour]	Power [kW]	Mixing Blade Diameter [mm]	Dimensions [mm]
QJ120	60-90	200	φ930	7,750x2,100x1,650
QJ90	40-55	132	φ895	7,600x2,200x1,500
QJ75	35-45	110	φ895	7,500x2,200x1,500
QJ60	30-35	90	φ750	6,500x2,100x1,300
QJ50	25	55	φ660	5,880x1,950x1,000

SJ Series Double-Shaft Mixer



Main Characteristics

- Suitable for raw material processing before moulding and also for water addition and mixing before aging.
- Integrates mixing, blending, homogenisation and conveying, improving the plasticity of raw materials.
- Rational structural design, high production efficiency and large capacity.
- Optimised with advanced foreign technology, featuring a rational structure and convenient operation and maintenance.
- Compact overall structure, small footprint, high reliability and low noise.
- The mixing blades are made of a new composite material with high wear resistance.
- High output and low energy consumption.

Main Technical Parameters

Model	Capacity [m ³ /hour]	Power [kW]	Mixing Blade Diameter [mm]	Mixing Feed Distance [mm]	Dimensions [mm]
SJ400-70	130-180	132	φ850	3,300	7,230x2,490x1,610
SJ400-50	80-110	90	φ700	3,200	7,450x2,500x1,250
SJ400-41D	30-60	75	φ560	3,200	6,580x1,685x1,200

C Series Jaw Crusher



Main Characteristics

- Utilises a modular assembly structure and a unique weld-free frame design, eliminating stress concentration caused by welding and thus ensuring excellent equipment durability.
- The equipment can be easily overhauled after years of operation and parts are easy to inspect and replace.
- A conveyor belt protection device (optional) is designed for customers, effectively preventing damage to the belt from sharp materials.
- A wedge mechanism adjusts the discharge port size and a dedicated force-boosting mechanism makes discharge port adjustment convenient and quick.



Main Technical Parameters

Model	C25x120	C51x80	C67x100	C75x113	C95x125
Feed Opening [mm]	250x1,200	510x800	670x1,000	750x1,130	950x1,250
Max Feed Size [mm]	210	430	530	630	800
Closed Side Setting [mm]	15-60	40-125	65-150	70-200	100-275
Max Shaft Speed [rpm]	370	320	320	300	240
Power [kW]	45	55/75	90/110	90/110	110/132
Inlet Height [mm]	980	1,495	1,795	1,930	2,500
Length [mm]	2,108	2,480	3,090	3,228	4,184
Width [mm]	1,940	1,460	1,642	1,990	2,321
Height [mm]	1,680	1,750	2,300	2,500	3,245
Weight [t]	6.9	8.3	13	20	39

Closed Side Setting [mm]	Max Output Size [mm]	Production Capacity [tons/hour]				
15	25	25-40				
20	37	32-63				
30	48	50-89				
40	60	62-113	57-88			
50	70	75-138	75-98			
60	80	90-160	90-130	119-162		
70	90		110-158	135-175	145-205	
80	100		128-285	159-210	167-225	
90	110		150-210	178-245	193-260	
100	130		165-230	209-282	218-285	299-385
125	160		224-285	267-359	275-365	369-459
150	185			320-421	323-425	420-550
175	210			390-505	395-510	493-635
200	240			448-569	450-570	554-715
225	265					595-798
250	290					680-868

Note: The capacity values are determined under the conditions of uniform feed, free from bridging and blockage, with material having a bulk density of 1.6 t/m³. The higher value applies when the feed contains a greater proportion of fines, while the lower value applies when the fines are removed. Actual capacity may vary depending on the feed gradation, clay content, moisture content, bulk density and crushability of the material.

XGD Series Belt Feeder



Main Characteristics

- Box-type feeding system, custom-designed, non-standard, high-quality and superior.
- High output, low energy consumption with modular design, suitable for the uniform and quantitative feeding needs of production lines with different output levels.
- Newly designed for stable and uniform feeding speed.
- Uniform, timed and continuous feeding.
- Responsible for supplying raw materials to the production line, an indispensable piece of equipment in brick-making production lines.

Main Technical Parameters

Model	Capacity [tons/hour]	Power [kW]	Belt Width [mm]	Feed Length [mm]	Belt Speed [m/s]	Dimensions [mm]
XGD120	40-100	15+4	1,200	4,000	0.180	4,900x2,310x1,270
XGD100	35-90	11+4	1,000	4,000	0.190	4,895x2,100x1,265
XGD80	30-70	7.5+4	800	4,000	0.155	4,800x2,000x1,200

XGL Series Apron Feeder



Main Characteristics

- Functions as the feed equipment for the initial processing of raw materials in brick and tile production lines and also provides material storage capability.
- Features a robust structure, high tensile strength and high productivity.
- Newly designed for stable and uniform feeding speed.
- Provides smooth speed regulation and automatic overload protection.
- Suitable for different raw materials and for extruders of various specifications.

Main Technical Parameters

Model	Capacity [tons/hour]	Power [kW]	Apron Width [mm]	Feed Length [mm]	Apron Speed [m/s]	Dimensions [mm]
XGL120	100-180	18.5	1,200	5,000	0.143	6,005x3,240x1,660
XGL100	80-150	15	1,000	4,000	0.164	4,760x2,520x1,520
XGL80	40-90	7.5	800	4,000	0.175	4,800x2,200x1,500

YSG190 Disc Screen Feeder



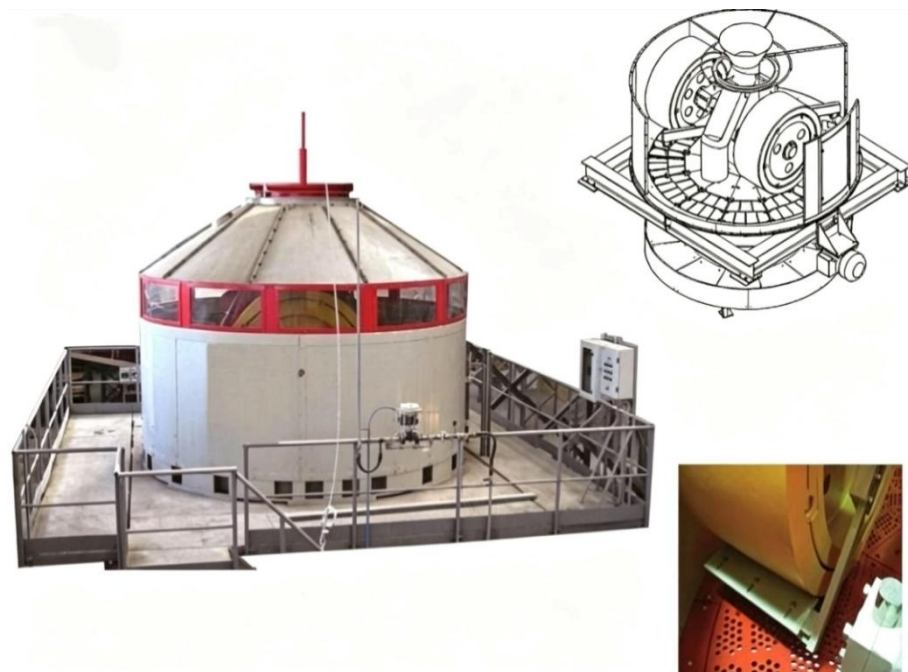
Main Characteristics

- Delivers excellent homogenising and kneading performance, greatly improving the plasticity of raw materials.
- Suitable for mixing, homogenising and kneading raw materials such as clay, shale, coal gangue and other similar materials.
- Ideal for processing poor-quality clay and industrial solid waste residues.
- Features a compact structure and provides the extruder with uniformly mixed, highly plastic raw materials.
- Employs a heavy-duty support structure with high load-bearing capacity and long service life.

Main Technical Parameters

Model	Capacity [m ³ /hour]	Power [kW]	Sieve Disc Diameter [mm]	Feed Tray Diameter [mm]	Dimensions [mm]
YSG220	90-150	160+11	2,200	3,600	5,560x4,540x4,390
YSG190	70-120	132+11	1,900	3,200	5,450x4,345x4,340

LN Series Wet Pan Mill



Main Characteristics

- Suitable for the fine crushing, mixing and kneading of raw materials in brick and tile production.
- Effectively crushes and homogenises raw materials, significantly improving their plasticity and enhancing extrusion performance.
- Ensures good particle gradation, increases the proportion of fine particles in the raw mix and improves the qualification rate of green bricks.
- Key wear parts are made of high-strength alloy, ensuring long service life.
- Modular wear-resistant lining design reduces maintenance and replacement costs.

Main Technical Parameters

Model	Capacity [m ³ /hour]	Power [kW]	Sieve Disc Diameter [mm]	Feed Tray Dimensions [mm]	Dimensions [mm]
LN450	40-70	132	4,500	2,000x800	6,500x6,000x5,000
LN360	30-40	90	3,600	1,800x500	5,300x5,300x3,600

BLJ Series Even Feeder



Main Characteristics

- The specialized even feeder designed for the GS series roll crushers can achieve uniform and flat material distribution and provide constant and steady feeding.
- Effectively prevents issues such as uneven material feeding, blockages, and single-side wear of the roller surface.
- It makes the crushed particle size more uniform, ensures smoother operation of the entire roller crusher, and significantly increases production capacity.
- It is also suitable for high-moisture and sticky raw materials, has a durable structure that is easy to maintain, and greatly reduces component wear and production energy consumption.

Main Technical Parameters

Model	Capacity [m ³ /hour]	Power [kW]	Belt Width [mm]	Belt Speed [m/s]	Dimensions [mm]
BLJ	50-90	3.7+1.5+1.5	1,200	0.3	3,390x1,890x1,420

Raw Material Testing Centre

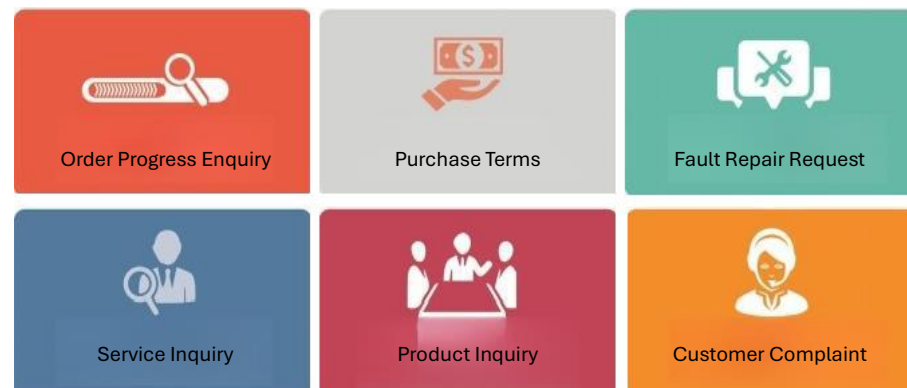
Professional refinement creates quality; quality shapes the future.



We conduct in-depth theoretical and mechanical research on extrusion forming and continuously develop higher-performance extrusion moulding equipment for various raw materials, thereby providing strong technical support for the advancement of the brick and tile industry.

Because mud and mixed raw materials exhibit both Newtonian and Bingham plastic fluid characteristics, they can flow like liquids while also deforming like solids, possessing both viscosity and elasticity. The flow and deformation behaviour of these “soft materials” cannot be adequately explained by Newtonian fluid theory or elasticity theory alone. In practice, extrusion behaviour and product quality are affected to varying degrees by factors such as slip velocity, viscous plugging, shear effects, extrusion enlargement and the dead zone lag effect.

Service



Professional Customer Training

We aim not only to help customers master the proper use of Gongli equipment, but also to enable them to operate it effectively, efficiently and in an environmentally responsible manner, achieving high output, high quality and low energy consumption. The company provides free training for customer technical personnel in operation, maintenance and process technology.

24-Hour Service

Our responsive 24-hour after-sales service platform is an important part of Gongli’s integrated customer service system. Customers can contact our service hotline at any time to submit service requests, such as fault repair and spare parts purchasing and receive prompt responses. During follow-up service, customers may also contact us at any time and we remain ready to resolve any issues quickly.

Full Life Cycle After-Sales Service

We provide full life cycle after-sales service covering the entire process from design and manufacturing to service response, maintenance cost control and quality standard establishment. Through comprehensive and forward-looking after-sales support, we integrate service throughout product life cycle management and equipment operation, building a value system centred on customer needs and pioneering a new era of value-based service.

Digital Workshop

High-end CNC equipment provides reliable support for high-quality products.



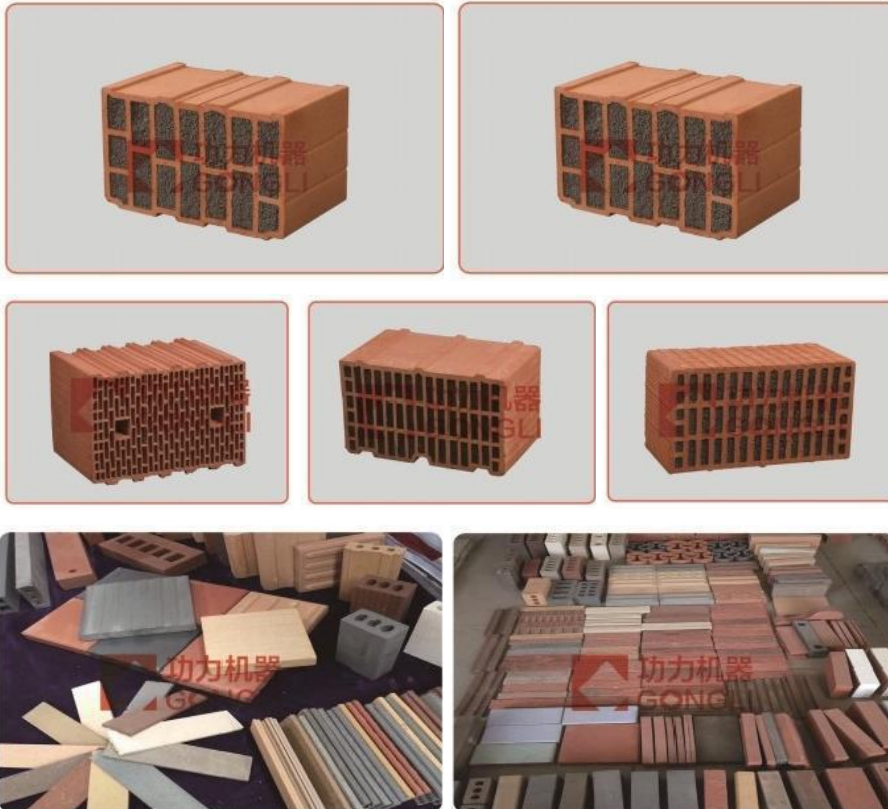
Gongli Machinery

Laser cutting and robotic welding have production and quality advantages.



Customer Products

Modern technology is accelerating the rapid development of the brick and tile industry.



Customer Plants

Provide highly competitive solutions for every flagship plant.

