



INTEGRATED SOLUTIONS FOR CONCRETE PRODUCTS MAKING

QUALITY MACHINE, MADE BY TPM

Stronger Machine · Faster Speed · Higher Production



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EUROPEAN CONCRETE TECHNOLOGY · INTELLIGENT MADE IN CHINA

COMPANY PROFILE >>

TPM | 特牌机械

INTEGRATED SOLUTIONS FOR CONCRETE PRODUCTS MAKING

01/ORIGINAL FROM CHINA'S HIGH QUALITY BLOCK MACHINE MANUFACTURING BASE - QUANZHOU CITY

Fujian Tepai Machinery Co., Ltd. (abbreviation: TPM), is located in Quanzhou City, Fujian Province, China. Our company has a group of senior engineers and technicians with rich theoretical knowledge and practical concrete products production experience. We have equipped with very high precision steel processing equipment including CNC processing center, Fully-automatic heat treatment equipment, laser cutting machine and CNC Plasma flame-cutting machine, to guarantee the precision of our equipment. Our main products including concrete products production line, construction waste recycling production line, ready-mix concrete production line, etc. We provide our global customers with the most cost-effective but high-level concrete products making machines from China.

02/EUROPEAN TECHNOLOGY, MADE IN CHINA

TPM equipment perfectly integrates the German Siemens control system, the Japanese Yuken hydraulic system and the American high-speed materials feeding and vibration system, committed to be the most cost-effective manufacturer in the field of high-quality level concrete products making in China. For more than ten years, TPM's engineer team has continuously accumulated customers' experience in the use of our equipment and continued technological innovation, developing in several very classic and cost-effective machines: TPM6000, TPM8000G, TPM10000G, TPM12000G. TPM's equipment have been sold to more than 30 countries around the world. We have set up worldwide sales and after-sales service centers for global customers, our overseas offices including South Africa, Angola, Egypt, Cambodia, Guatemala, etc.

03/FOCUS ON THE FUTURE, SERVE THE WORLD

In the future, TPM will, as always, adhere to the Service Philosophy of 'Customer First! Create Values for Customers.', implement the product concept of 'European Advanced Technology, Intelligent Made In China', strive for excellence, and devote ourselves to providing global customers with more stable and more efficient equipment. to share a bright future with global customers.



CONSTANTLY STRIVE FOR PERFECTION

TPM people always firmly believe that high quality starts with precision quality control and quality is the only driving force for company development.

TPM ingeniously studies the strict european industrial manufacturing standards, uses advanced cnc processing equipment, first-class nitriding heat treatment technology and large-scale precise laser cutting machines and other equipment, uses high-end japanese panasonic pulse welding machines, assisted by top-level welding technology, to manufacture cost-effective concrete products making equipment. at present, all kinds of products owned by tpm has high-standard craftsmanship and have applied for patent protection. tpm adheres to pioneering and innovative, and we are ready to help you do a good job in concrete products manufacturing business with professional technology.

TPM uses very advanced CNC processing center and other steel processing equipment such as fully automatic heat treatment equipment , laser cutting machine and CNC plasma flame cutting machine, for a better-quality control. Global sourcing of spare parts and components, cooperation with top level international suppliers like Siemens, ABB, Schneider, INNOVANCE, Phase, Yuken, Albert... The continuous improvement of quality makes TPM becomes one of the best concrete block machine manufacturer in this industry.



laser cutting machine



shearing machine



fully automatic heat treatment equipment



hydraulic oil block processing



manufacturing workshop



cnc machining center



wire cutting workshop

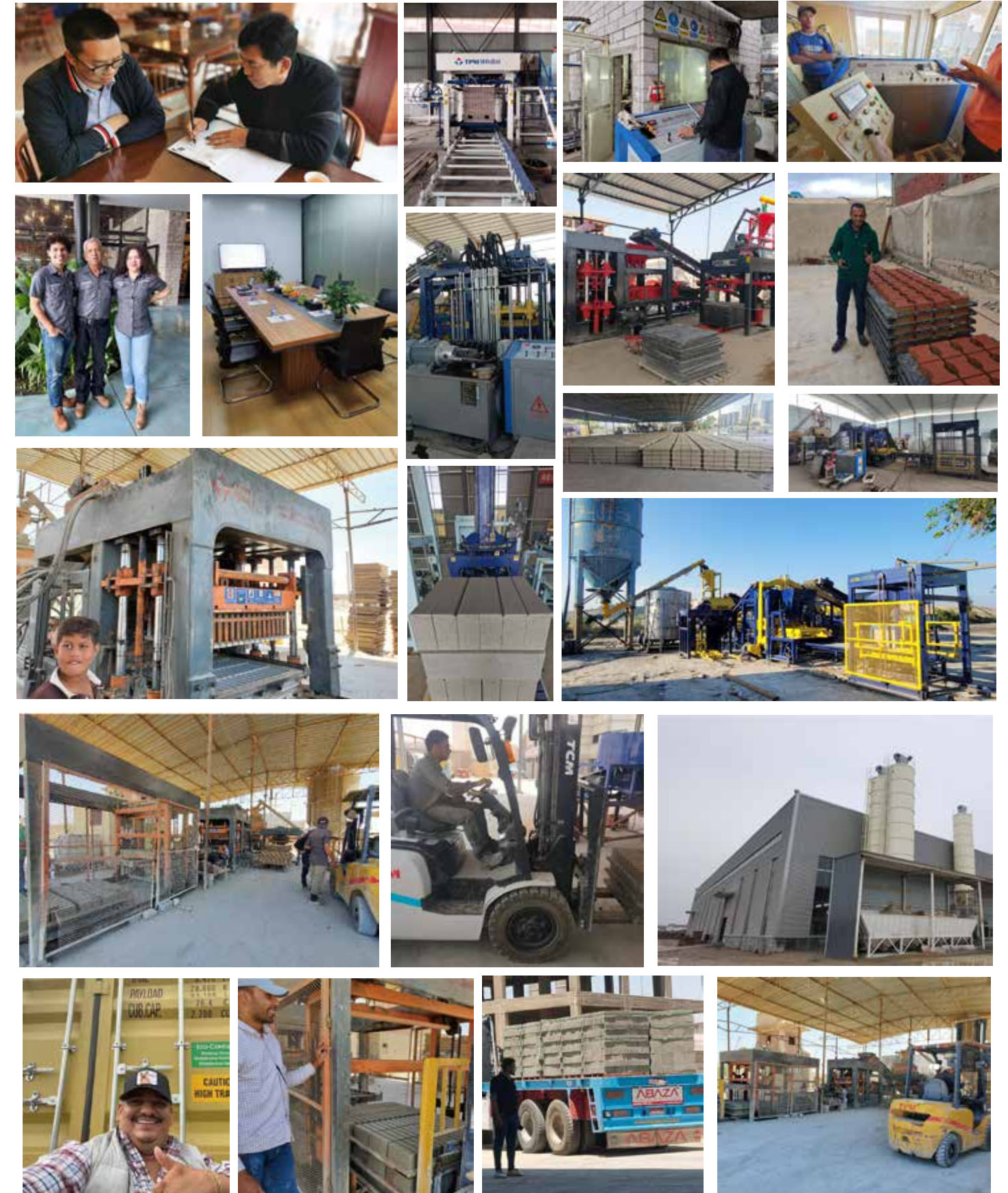


assembly workshop



GLOBAL >> CUSTOMERS

The more professional our customers are, the more our customers compare, with the more their trust with TPM eventually. TPM has successfully completed many high-level concrete products production projects worldwide.



COMPANY CULTURE

TPM SERVICE PHILOSOPHY
CUSTOMER FIRST! CREATE VALUES FOR CUSTOMERS

TPM BUSINESS PHILOSOPHY
CREATE BIG VALUE FOR CUSTOMERS,
CREATE GOOD BENEFITS FOR EMPLOYEES AND CREATE SUITABLE PROFITS FOR COMPANY

TPM PRODUCT CONCEPT

EUROPEAN ADVANCED TECHNOLOGY, INTELLIGENT MADE IN CHINA

PRODUCTS CATALOG



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TPM-SZ1600G

Servo Cotrolled - Dry Concrete Products Offline Palletizing Plant
(Reserve Holes for Forklift)



The operation of TPM-SZ1600 offline palletizer plant is fully automatic, it is used to separate the blocks from pallets, rearrange the blocks to achieve the required palletize dimension. The palletized dimension can be flexible, for example, 1000mm x 1000mm x 1600mm, 1100mm x 1100mm x 1600mm or 1200mm x 1200mm x 1600mm. After palletizing, the blocks can be packed manually or packed by automatic film wrapping machine. and transport to the finished products stocking area by forklift. The holes for forklift transport can be reserved automatically.

The complete line is equipped with 4 sets of servo controlled motors, 5 sets of frequency inverter controlled motors, lasers for positioning. Fully automatic controlled by Siemens PLC and Touch Screen, Online troubleshooting can be easily achieved through Internet. Only 1 qualified operator is needed to operate this line, greatly save the labor cost and increase the concrete products quality.

The blocks can be palletized with or without transportation pallets/wooden tray, Multi- dimension for palletizing to utilize the maximum truck capacity.

TPM-SZ1600 Offline Palletizer Technical Specification	
Power Consumption	39Kw
Maximum Palletized Size	1200mm (Length) x 1200mm (Width) x 1600mm (Height)
Palletize Cycle Time	10-15 seconds for each layer
Gross Weight	16-18 Ton
Machine Dimension	13700mm x 12500mm x 2800mm (Minimum height for hanger: 4000mm)

9 BIG ADVANTAGES OF TPM SERVO-CONTROLLED OFFLINE PALLETIZING PLANT



1. The complete plant is modular design, very easy for assemble and disassemble



2. Equipped with 4 sets of servo controlled motors, 5 sets of frequency inverter controlled motors, very stable working and high efficiency.



3. Lifting system of the Cuber is equipped with the most advanced GuoMao (China) 11Kw Reduer (high power with flat brake function), it takes only 5 seconds to change to a new block cube, which is much faster than other manufacturers -- average need to take 15 seconds. This special advanced reducer greatly increase the production output of the whole plant.



4. Our special designed - Gear rotating support structure, together with GuoMao new designed Reduer, no gap rotation is achieved, no shake during rotation, which guarantee the bricks/blocks are not dropped off during rotation.



5. Use full set of Servo motors-controlled gear wheel and tooth row design for the block pushing, which is very stable, fast and accurate. Most other manufacturers use chains together with encoders to drive the block pushing, very low accuracy, non stable and the blocks are easily fell off during this process.



6. Special designed block protection device, to avoid blocks are fell off during the palletizing.



7. Special designed pallets handling device, make sure the pallets are well connected.



8. Separation of the strong current and weak current in the complete electrical control system, to avoid mutual interference. Online troubleshooting through internet to achieve the future program update and remote fault diagnosis.



9. Automatic pallets centering device, make sure the pallets and blocks are harmonious fitted with the offline palletizer, smoothly touch and very high efficiency.

TPM6000

Automatic Concrete Block Machine

8 CORE TECHNOLOGIES

Stronger Machine Faster Speed Higher Production

TPM6000 IS AN EXTREMELY MATURE,
STABLE AND COST-EFFECTIVE CONCRETE BLOCK MAKING MACHINE



Heavy Duty Structure, Very Strong Machine
Machine is strong and durable



2x7.5kW Inverter Controlled Vibration Motors
Controlled by double frequency inverters, the vibration force can be adjusted to ensure the quality of concrete products



Dynamic and Static Structure Vibration Table
Strong vibration, easy maintenance, high density products



Double Swing Arms Driven Feeder Car
Equips with wear-resistant feeding rails, compulsory rotating mold filling, ensure the density of concrete products



Siemens PLC Control System
Efficient, stable and energy-saving



4 High-Strength Plated Guide Columns and Double Steel Plates for Synchronization
Ensure the same height of the concrete products



Double Oil Cylinder for Press Head, Special designed Synchronous Demolding Structure
Ensure the very smooth molding and demolding during the machine working, make the machine very stable.



High Dynamic Dual Hydraulic Proportional Valve
Precisely control the hydraulic oil flow and hydraulic pressure to ensure the speed and stability of the machine.

TPM8000G

Automatic Concrete Block Machine

7 CORE TECHNOLOGIES

Stronger Machine Faster Speed Higher Production

TPM8000G IS A STABLE CONCRETE BLOCK MACHINE WITH STRONG PERFORMANCE.



200 × 200 × 10mm Heavy-Duty Design
Machine is strong, vibration-resistant and durable.



Dynamic and Static Structure Vibration Table
The gap between the dynamic and static tables is adjustable, ensure the high density of concrete products



Double Swing arms Driven Feeder Car
Equips with wear-resistant feeding rails, compulsory rotating mold filling, ensure the production speed and guarantee the high density of concrete products



Air Bags for Mold Clamping
Ensures that the mold is balanced and not easy to wear, also greatly reduce the molding changing time from 3 hours to 45mins.



Hydraulic System Designed with Dual Proportional Valves
Make sure the hydraulic drive is soft, stable and efficient.



Siemens PLC Control System and Siemens Remote Control System
Ensure the stability, reliability and easy maintenance of the circuit of the production line.



Special Designed Synchronization Device
Ensure the same height of the concrete products

Machine TPM8000G is suitable for medium-sized investment, It has the characteristics of high efficiency, high production output, low investment and fast investment return.

TPM10000G

Automatic Concrete Block Machine

8 CORE TECHNOLOGIES

Stronger Machine Faster Speed Higher Production

TPM10000G IS ALWAYS THE PREFERRED CHOICE FOR MATURE CUSTOMERS.

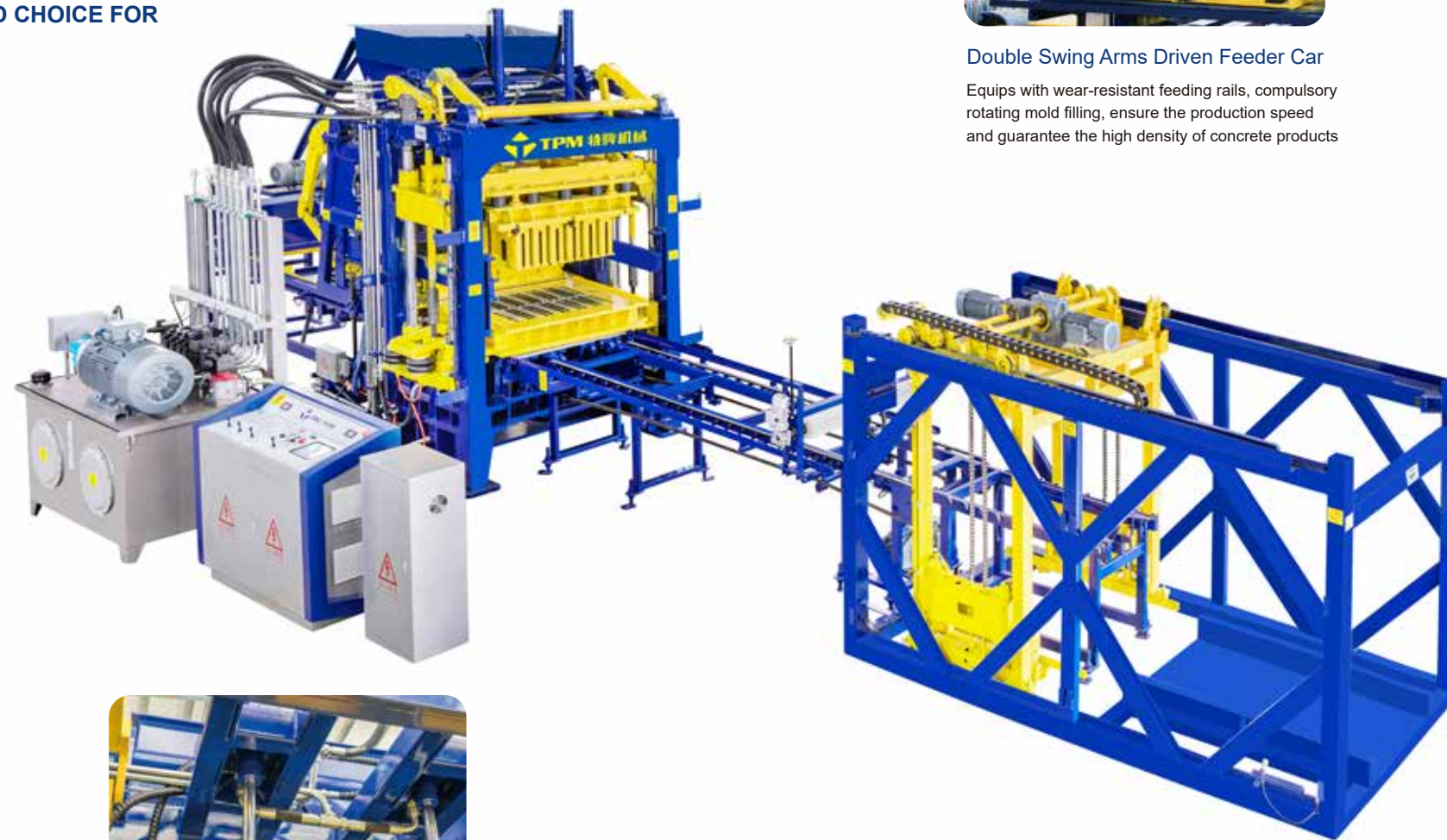


150 × 150 × 12mm German Standard Super Heavy-Duty Design
Machine is strong, vibration-resistant and durable.



Hydraulic System Designed with Dual High Dynamic Proportional Valves and Counter Valve

Make sure the hydraulic drive is soft, stable and efficient, guarantee the durability of the equipment.



Special Designed Synchronization Device for Press Head, Mold Frame and 4 High-Strength Guide Columns

Ensure the consistent height of the concrete products, the uniform density of the concrete products and the safety and stability of the equipment.



Double Swing Arms Driven Feeder Car

Equips with wear-resistant feeding rails, compulsory rotating mold filling, ensure the production speed and guarantee the high density of concrete products



Dynamic and Static Structure Vibration Table

The gap between the dynamic and static tables is adjustable, ensure the high density of concrete products



Siemens PLC Control System and Siemens Remote Control System

Ensure the stability, reliability and easy maintenance of the circuit of the equipment.



Stacker adopts Inner Frame Structure

The walking and lifting reducer adopt direct-connected transmission, very stable without shaking, effectively protects the concrete products.



Wet Concrete Products V-Belt Conveyor, transmission speed is inverter controlled

The transmission process is stable, effectively avoids the vibration damage of the wet concrete products

TPM12000G

Automatic Concrete Block Machine

8 CORE TECHNOLOGIES

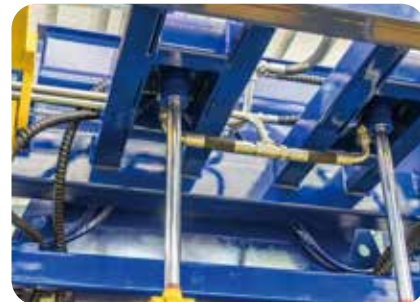
Stronger Machine Faster Speed Higher Production

TPM12000G IS VERY COST EFFECTIVE MACHINE FOR BIG PRODUCTION



150 × 150 × 12mm German Standard Super Heavy-Duty Design

Machine is strong, vibration-resistant and durable.



Special Designed Synchronization Device for Press Head, Mold Frame and 4 High-Strength Guide Columns

Ensure the consistent height of the concrete products, the uniform density of the concrete products and the safety and stability of the equipment.



Hydraulic System Designed with Dual High Dynamic Proportional Valves and Counter Valve

Make sure the hydraulic drive is soft, stable and efficient, guarantee the durability of the equipment.



Siemens PLC Control System and Siemens Remote Control System

Ensure the stability, reliability and easy maintenance of the circuit of the equipment.



Double Swing Arms Driven Feeder Car

Equips with wear-resistant feeding rails, compulsory rotating mold filling, ensure the production speed and guarantee the high density of concrete products



Dynamic and Static Structure Vibration Table

The gap between the dynamic and static tables is adjustable, ensure the high density of concrete products



Stacker adopts Inner Frame Structure

The walking and lifting reducer adopt direct-connected transmission, very stable without shaking, effectively protects the concrete products.



Wet Concrete Products V-Belt Conveyor, the transmission speed is inverter controlled

The transmission process is stable, effectively avoids the vibration damage of the wet concrete products



TPM4000

Automatic Concrete Block Machine

TPM4000 TECHNICAL FEATURES:

1. Heavy duty frame: 8mm thick square tube for machine main columns and 4 solid guide-columns are used to make the machine stable and durable.
2. Special designed materials feeder Car: Double swing arms driven feeder car, equips with wear-resistant feeding rails and wear-resistant bottom plate, compulsory rotating mold filling, ensure the molding filling very fast and even, ensure the density and production output of the concrete products.
3. Hydraulic system: High dynamic dual proportional valve is adopted, efficiently control the hydraulic oil flow and hydraulic pressure, to ensure the powerful speed of the machine.
4. Siemens control system: German Siemens PLC control system is adopted to realize man-machine dialogue, the operation is fully automatic, very easy, safe and convenient.
5. Vibration frequency-controlled technology: the combination of frequency-controlled vibration motors and double frequency inverters, can adjust the vibration frequency according to different concrete products types, to ensure the compactness. It is also very energy-efficient technology.
6. Online Troubleshooting system: Use remote control system to monitor the operating status of the equipment in real time, it can help to eliminate circuit faults of the equipment and most electrical faults can be fixed without delay.



TPM4000 TECHNICAL PARAMETERS

Forming Area: 800×500 (mm) Pallet Size: 880×560×20 (mm)	Vibration Force: 2×7.5kw (Frequency Controlled) Dynamic and static structure vibration table	
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven	
Products Height: 50-200 (mm) Products Strength: 7.5-50 MPA	Hydraulic System: 18.5kw (With face hopper) or 11kW (Without face hopper). Use Japanese Yuken valves.	
Cycle Time: 15-20 (S)	Power Consumption: 31kw	
Machine Weight: 7.8 Ton (With face hopper)	Vibration Force: 50-70 (KN) Vibration Frequency: 50-60HZ	
TPM4000 Production Capacity in 8 hours:		
400 × 200 × 200mm Hollow Block	4 Pieces/Cycle	5,000-6,000 Pieces/8hours
400 × 150 × 200mm Hollow Block	5 Pieces/Cycle	6,000-7,000 Pieces/8hours
200 × 100 × 60mm Rectangular Pave	14 Pieces/Cycle	14,000-16,800 Pieces/8hours

TPM5000

Automatic Concrete Block Machine

TPM5000 TECHNICAL FEATURES:

1. Heavy duty frame: 8mm thick square tube for machine main columns and 4 solid guide-columns are used to make the machine stable and durable.
2. Special designed materials feeder Car: Double swing arms driven feeder car, equips with wear-resistant feeding rails and wear-resistant bottom plate, compulsory rotating mold filling, ensure the molding filling very fast and even, ensure the density and production output of the concrete products.
3. Hydraulic system: High dynamic dual proportional valve is adopted, efficiently control the hydraulic oil flow and hydraulic pressure, to ensure the powerful speed of the machine.
4. Siemens control system: German Siemens PLC control system is adopted to realize man-machine dialogue, the operation is fully automatic, very easy, safe and convenient.
5. Vibration frequency-controlled technology: the combination of frequency-controlled vibration motors and double frequency inverters, can adjust the vibration frequency according to different concrete products types, to ensure the compactness. It is also very energy-efficient technology.
6. Online Troubleshooting system: Use remote control system to monitor the operating status of the equipment in real time, it can help to eliminate circuit faults of the equipment and most electrical faults can be fixed without delay.



TPM5000 TECHNICAL PARAMETERS

Pallet Size: 1100×560/580×25 (mm) Forming Area: 1000×500 (mm)	Vibration Force: 2×7.5kw (Frequency Controlled) Dynamic and static structure vibration table	
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven	
Products Height: 50-200 (mm) Products Strength: 7.5-50 MPA	Hydraulic System: 22 kW (With face hopper) or 18.5kW (Without face hopper). Use Japanese Yuken valves.	
Cycle Time: 15-20 (S)	Power Consumption: 38.15 kW	
Machine Weight: 9.3 Ton (With face hopper)	Vibration Force: 60-80 (KN) Vibration Frequency: 50-60HZ	
TPM5000 Production Capacity in 8 hours:		
400 × 200 × 200mm Hollow Block	5 Pieces/Cycle	6,000-7,500 Pieces/8hours
400 × 150 × 200mm Hollow Block	6 Pieces/Cycle	7,200-8,400 Pieces/8hours
200 × 100 × 60mm Rectangular Paver	20 Pieces/Cycle	20,000-24,000 Pieces/8hours

TPM6000

Automatic Concrete Block Machine

TPM6000 TECHNICAL FEATURES:

1. Heavy duty frame: 150 × 150 × 8mm thick square tube for machine main columns and 4 pieces of Φ70mm solid guide-columns are used to make the machine stable and durable.
2. Special designed materials feeder Car: Double swing arms driven feeder car, equips with wear-resistant feeding rails and wear-resistant bottom plate, compulsory rotating mold filling, ensure the molding filling very fast and even, ensure the density and production output of the concrete products.
3. Hydraulic system: High dynamic dual proportional valve is adopted, efficiently control the hydraulic oil flow and hydraulic pressure, to ensure the powerful speed of the machine.
4. Siemens control system: German Siemens PLC control system is adopted to realize man-machine dialogue, the operation is fully automatic, very easy, safe and convenient.
5. Vibration frequency-controlled technology: the combination of frequency-controlled vibration motors and double frequency inverters, can adjust the vibration frequency according to different concrete products types, to ensure the compactness. It is also very energy-efficient technology.
6. Online Troubleshooting system: Use remote control system to monitor the operating status of the equipment in real time, it can help to eliminate circuit faults of the equipment and most electrical faults can be fixed without delay.



TPM6000 TECHNICAL PARAMETERS

Pallet Size: 880×680×25 (mm) Forming Area: 800×620 (mm)	Vibration Force: 2×7.5kw (Frequency Controlled) Dynamic and static structure vibration table	
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven	
Products Height: 50-200 (mm) Products Strength: 7.5-60 MPA	Hydraulic System: 22 kW (With face hopper) or 18.5kW (Without face hopper). Use Japanese Yuken valves.	
Cycle Time: 15-20 (S)	Power Consumption: 38.15 kW	
Machine Weight: 9.5 Ton (With face hopper)	Vibration Force: 60-80 (KN) Vibration Frequency: 50-60HZ	
TPM6000 Production Capacity in 8 hours:		
400 × 200 × 200mm Hollow Block	6 Pieces/Cycle	7,200-9,000 Pieces/8hours
400 × 150 × 200mm Hollow Block	8 Pieces/Cycle	9,600-11,200 Pieces/8hours
200 × 100 × 60mm Rectangular Paver	21 Pieces/Cycle	21,000-25,200 Pieces/8hours

TPM8000G

Automatic Concrete Block Machine



TPM8000G TECHNICAL FEATURES:

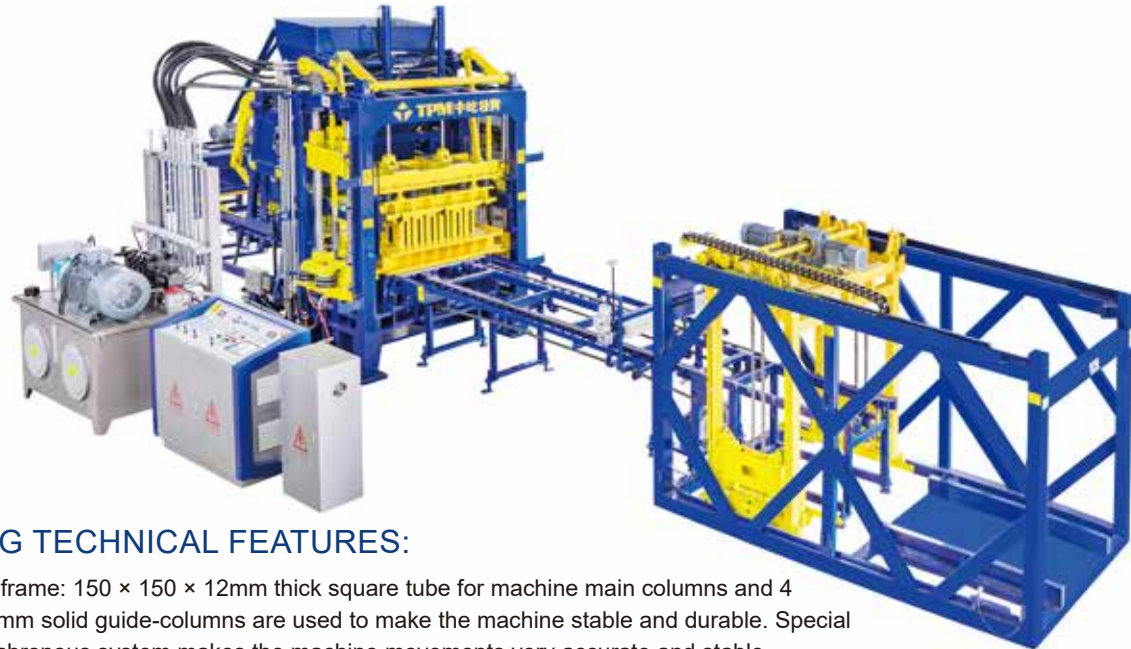
1. Heavy duty frame: 200 × 200 × 10mm thick square tube for machine main columns and 4 pieces of Φ70mm solid guide-columns are used to make the machine stable and durable.
2. Special designed materials feeder Car: Double swing arms driven feeder car, equips with wear-resistant feeding rails and wear-resistant bottom plate, compulsory rotating mold filling, ensure the molding filling very fast and even, ensure the density and production output of the concrete products.
3. Hydraulic system: High dynamic dual proportional valve is adopted, efficiently control the hydraulic oil flow and hydraulic pressure, to ensure the powerful speed of the machine.
4. Siemens control system: German Siemens PLC control system is adopted to realize man-machine dialogue, the operation is fully automatic, very easy, safe and convenient.
5. Vibration frequency-controlled technology: the combination of frequency-controlled vibration motors and double frequency inverters, can adjust the vibration frequency according to different concrete products types, to ensure the compactness. It is also very energy-efficient technology.
6. Online Troubleshooting system: Use remote control system to monitor the operating status of the equipment in real time, it can help to eliminate circuit faults of the equipment and most electrical faults can be fixed without delay.

TPM8000G TECHNICAL PARAMETERS

Pallet Size: 980×860×25 (mm) Forming Area: 900×800 (mm)	Vibration Force: 2×11kw (Frequency Controlled Motors, Option: Servo-driven Motors), Dynamic and static structure vibration table	
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven	
Products Height: 50-200 (mm) Products Strength: 7.5-60 MPA	Hydraulic System: 30 kW (With face hopper) or 22 kW (Without face hopper). Use Japanese Yuken valves.	
Cycle Time: 15-20 (S)	Power Consumption: 60.35 kW	
Machine Weight: 13.5 Ton (With face hopper)	Vibration Force: 80-100 (KN) Vibration Frequency: 50-60HZ	
TPM8000G Production Capacity in 8 hours:		
400 × 200 × 200mm Hollow Block	8 Pieces/Cycle	9,600-12,000 Pieces/8hours
400 × 150 × 200mm Hollow Block	10 Pieces/Cycle	10,000-14,000 Pieces/8hours
200 × 100 × 60mm Rectangular Paver	28 Pieces/Cycle	28,000-33,600 Pieces/8hours

TPM9000G

Automatic Concrete Block Machine



TPM9000G TECHNICAL FEATURES:

1. Heavy duty frame: 150 × 150 × 12mm thick square tube for machine main columns and 4 pieces of Φ80mm solid guide-columns are used to make the machine stable and durable. Special designed synchronous system makes the machine movements very accurate and stable.
2. Special designed materials feeder Car: Double swing arms driven feeder car, equips with wear-resistant feeding rails and wear-resistant bottom plate, compulsory rotating mold filling, ensure the molding filling very fast and even, ensure the density and production output of the concrete products.
3. Hydraulic system: High dynamic dual proportional valve is adopted, efficiently control the hydraulic oil flow and hydraulic pressure, to ensure the powerful speed of the machine.
4. Siemens control system: German Siemens PLC control system is adopted to realize man-machine dialogue, the operation is fully automatic, very easy, safe and convenient.
5. Vibration frequency-controlled technology: the combination of frequency-controlled vibration motors and double frequency inverters, can adjust the vibration frequency according to different concrete products types, to ensure the compactness. It is also very energy-efficient technology.
6. Online Troubleshooting system: Use remote control system to monitor the operating status of the equipment in real time, it can help to eliminate circuit faults of the equipment and most electrical faults can be fixed without delay.

TPM900G TECHNICAL PARAMETERS

Pallet Size: 1350×700×30 (mm) Forming Area: 1300×650 (mm)	Vibration Force: 2×15kw (Frequency Controlled Motors, Option: Servo-driven Motors), Dynamic and static structure vibration table	
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven	
Products Height: 50-300 (mm) Products Strength: 7.5-60 MPA	Hydraulic System: 30 kW (With face hopper) or 22 kW (Without face hopper). Use Japanese Yuken valves.	
Cycle Time: 15-20 (S)	Power Consumption: 60.35 kW	
Machine Weight: 14.5 Ton (With face hopper)	Vibration Force: 100-120 (KN) Vibration Frequency: 50-60HZ	
TPM9000G Production Capacity in 8 hours:		
400 × 200 × 200mm Hollow Block	9 Pieces/Cycle	10,800-13,500 Pieces/8hours
400 × 150 × 200mm Hollow Block	12 Pieces/Cycle	14,400-16,800 Pieces/8hours
200 × 100 × 60mm Rectangular Paver	36 Pieces/Cycle	36,000-43,200 Pieces/8hours

TPM10000G

Automatic Concrete Block Machine



TPM10000G TECHNICAL FEATURES:

1. Heavy duty frame: 150 × 150 × 12mm thick square tube for machine main columns and 4 pieces of Φ80mm solid guide-columns are used to make the machine stable and durable. Special designed synchronous system makes the machine movements very accurate and stable.
2. Special designed materials feeder Car: Double swing arms driven feeder car, equips with wear-resistant feeding rails and wear-resistant bottom plate, compulsory rotating mold filling, ensure the molding filling very fast and even, ensure the density and production output of the concrete products.
3. Hydraulic system: High dynamic dual proportional valve is adopted, efficiently control the hydraulic oil flow and hydraulic pressure, to ensure the powerful speed of the machine.
4. Siemens control system: German Siemens PLC control system is adopted to realize man-machine dialogue, the operation is fully automatic, very easy, safe and convenient.
5. Vibration frequency-controlled technology: the combination of frequency-controlled vibration motors and double frequency inverters, can adjust the vibration frequency according to different concrete products types, to ensure the compactness. It is also very energy-efficient technology.
6. Online Troubleshooting system: Use remote control system to monitor the operating status of the equipment in real time, it can help to eliminate circuit faults of the equipment and most electrical faults can be fixed without delay.

TPM10000G TECHNICAL PARAMETERS

Pallet Size: 1100×950×30 (mm) Forming Area: 1000×890 (mm)	Vibration Force: 2×15kw (Frequency Controlled Motors, Option: Servo-driven Motors), Dynamic and static structure vibration table	
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven	
Products Height: 50-300 (mm) Products Strength: 7.5-60 MPA	Hydraulic System: 30 kW (With face hopper). Use Japanese Yuken valves and American Albert hydraulic pump.	
Cycle Time: 15-20 (S)	Power Consumption: 60.35 kW	
Machine Weight: 14.5 Ton (With face hopper)	Vibration Force: 100-120 (KN) Vibration Frequency: 50-60HZ	
TPM10000G Production Capacity in 8 hours:		
400 × 200 × 200mm Hollow Block	10 Pieces/Cycle	12,000-15,000 Pieces/8hours
400 × 150 × 200mm Hollow Block	12 Pieces/Cycle	14,400-16,800 Pieces/8hours
200 × 100 × 60mm Rectangular Paver	36 Pieces/Cycle	36,000-43,200 Pieces/8hours

TPM12000G

Automatic Concrete Block Machine

TPM12000G TECHNICAL FEATURES:

1. Heavy duty frame: 200 × 200 × 12mm thick square tube for machine main columns and 4 pieces of Φ90mm solid guide-columns are used to make the machine stable and durable. Special designed synchronous system makes the machine movements very accurate and stable.
2. Special designed materials feeder Car: Double swing arms driven feeder car, equips with wear-resistant feeding rails and wear-resistant bottom plate, compulsory rotating mold filling, ensure the molding filling very fast and even, ensure the density and production output of the concrete products.
3. Hydraulic system: High dynamic dual proportional valve is adopted, efficiently control the hydraulic oil flow and hydraulic pressure, to ensure the powerful speed of the machine.
4. Siemens control system: German Siemens PLC control system is adopted to realize man-machine dialogue, the operation is fully automatic, very easy, safe and convenient.
5. Vibration frequency-controlled technology: the combination of frequency-controlled vibration motors and double frequency inverters, can adjust the vibration frequency according to different concrete products types, to ensure the compactness. It is also very energy-efficient technology. Optional with 4 sets of Inverter controlled motors or 5 sets of Servo-driven motors.
6. Online Troubleshooting system: Use remote control system to monitor the operating status of the equipment in real time, it can help to eliminate circuit faults of the equipment and most electrical faults can be fixed without delay.



TPM15000G

Automatic Concrete Block Machine

TPM15000G TECHNICAL FEATURES:

1. Heavy duty frame: 200 × 200 × 12mm thick square tube for machine main columns and 4 pieces of Φ110mm solid guide-columns are used to make the machine stable and durable. Special designed synchronous system makes the machine movements very accurate and stable.
2. Special designed materials feeder Car: Double swing arms driven feeder car, equips with wear-resistant feeding rails and wear-resistant bottom plate, compulsory rotating mold filling, ensure the molding filling very fast and even, ensure the density and production output of the concrete products.
3. Hydraulic system: High dynamic dual proportional valve is adopted, efficiently control the hydraulic oil flow and hydraulic pressure, to ensure the powerful speed of the machine.
4. Siemens control system: German Siemens PLC control system is adopted to realize man-machine dialogue, the operation is fully automatic, very easy, safe and convenient.
5. Vibration frequency-controlled technology: the combination of 4 sets of frequency-controlled vibration motors and 4 frequency inverters, can adjust the vibration frequency according to different concrete products types, to ensure the compactness. It is also very energy-efficient technology. Optional with 4 sets of Servo-driven motors.
6. Online Troubleshooting system: Use remote control system to monitor the operating status of the equipment in real time, it can help to eliminate circuit faults of the equipment and most electrical faults can be fixed without delay.



TPM12000G TECHNICAL PARAMETERS

Pallet Size: 1400×950×35 (mm) Forming Area: 1300×890 (mm)	Vibration Force: 2×18kW (Frequency Controlled Motors, Optional with Servo-driven Motors), Dynamic and static structure vibration table	
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven	
Products Height: 50-300 (mm) Products Strength: 7.5-60 MPA	Hydraulic System: 37 kW (With face hopper). Use Japanese Yuken valves and American Albert hydraulic pump.	
Cycle Time: 15-20 (S)	Power Consumption: 52.35 Kw	
Machine Weight: 16.5 Ton (With face hopper)	Vibration Force: 120-135 (KN) Vibration Frequency: 50-60HZ	
TPM12000G Production Capacity in 8 hours:		
400 × 200 × 200mm Hollow Block	12 Pieces/Cycle	14,400-18,000 Pieces/8hours
400 × 150 × 200mm Hollow Block	16 Pieces/Cycle	17,600-22,400 Pieces/8hours
200 × 100 × 60mm Rectangular Paver	42 Pieces/Cycle	42,000-54,600 Pieces/8hours

TPM15000G TECHNICAL PARAMETERS

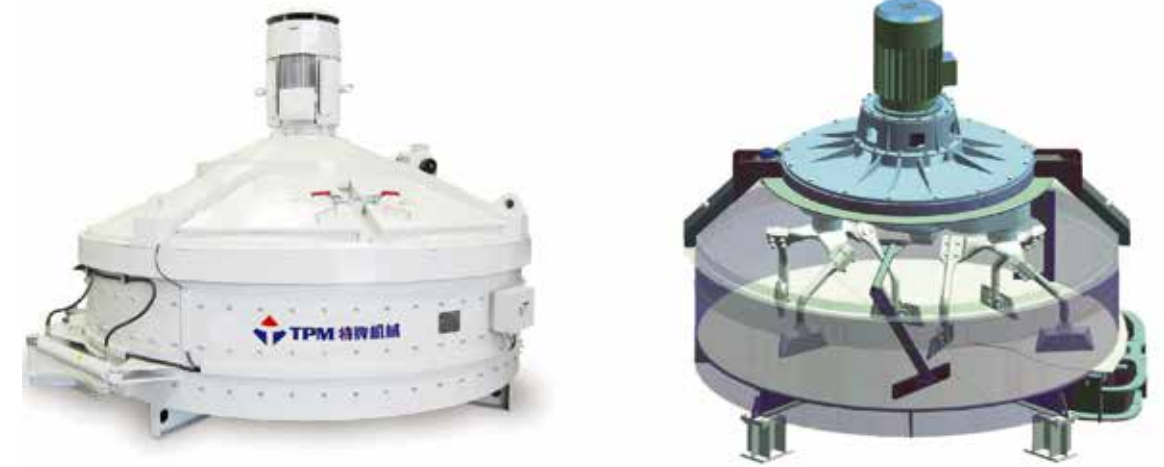
Pallet Size: 1400×1150×45 (mm) Forming Area: 1300×1090 (mm)	Vibration Force: 4×11kw (Frequency Controlled Motors, Option: Servo-driven Motors), Dynamic and static structure vibration table	
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven	
Products Height: 50-500 (mm) Products Strength: 7.5-60 MPA	Hydraulic System: 45 kW (With face hopper). Use Japanese Yuken valves and American Albert hydraulic pump.	
Cycle Time: 15-20 (S)	Power Consumption: 108.65 Kw	
Machine Weight: 21.7 Ton (With face hopper)	Vibration Force: 135-160 (KN) Vibration Frequency: 50-60HZ	
TPM15000G Production Capacity in 8 hours:		
400 × 200 × 200mm Hollow Block	15 Pieces/Cycle	18,000-22,500 Pieces/8hours
400 × 150 × 200mm Hollow Block	18 Pieces/Cycle	19,800-25,200 Pieces/8hours
200 × 100 × 60mm Rectangular Paver	54 Pieces/Cycle	54,000-64,800 Pieces/8hours

AGGREGATES BATCHING MACHINE



Model	PL800	PL1200	PL1600
Number of Hoppers	2 hoppers	3 hoppers	3 hoppers
Hopper Storage	2 x 4 m ³	3 x 4 m ³	3 x 6 m ³
Weighing Hopper	0.8 m ³	1.2 m ³	1.8 m ³
Productivity	48m ³ /h	72m ³ /h	96m ³ /h
Weighing Accuracy	±2%	±2%	±2%
Maximum Weighing	1,500kg	2,000kg	2,800kg
Feeding Height	2,300mm	2,500mm	2,600mm
Weighing method	High precision load cell	High precision load cell	High precision load cell
Motor Power	6.6 Kw	11.7 Kw	14.6 Kw
Machine Size (LxWxH)	5470×1820×2810 mm	8850×2000×2900 mm	9600×2300×3070 mm
Gross Weight	2,300 kg	4,000 kg	4,820 kg

PLANETARY MIXERS



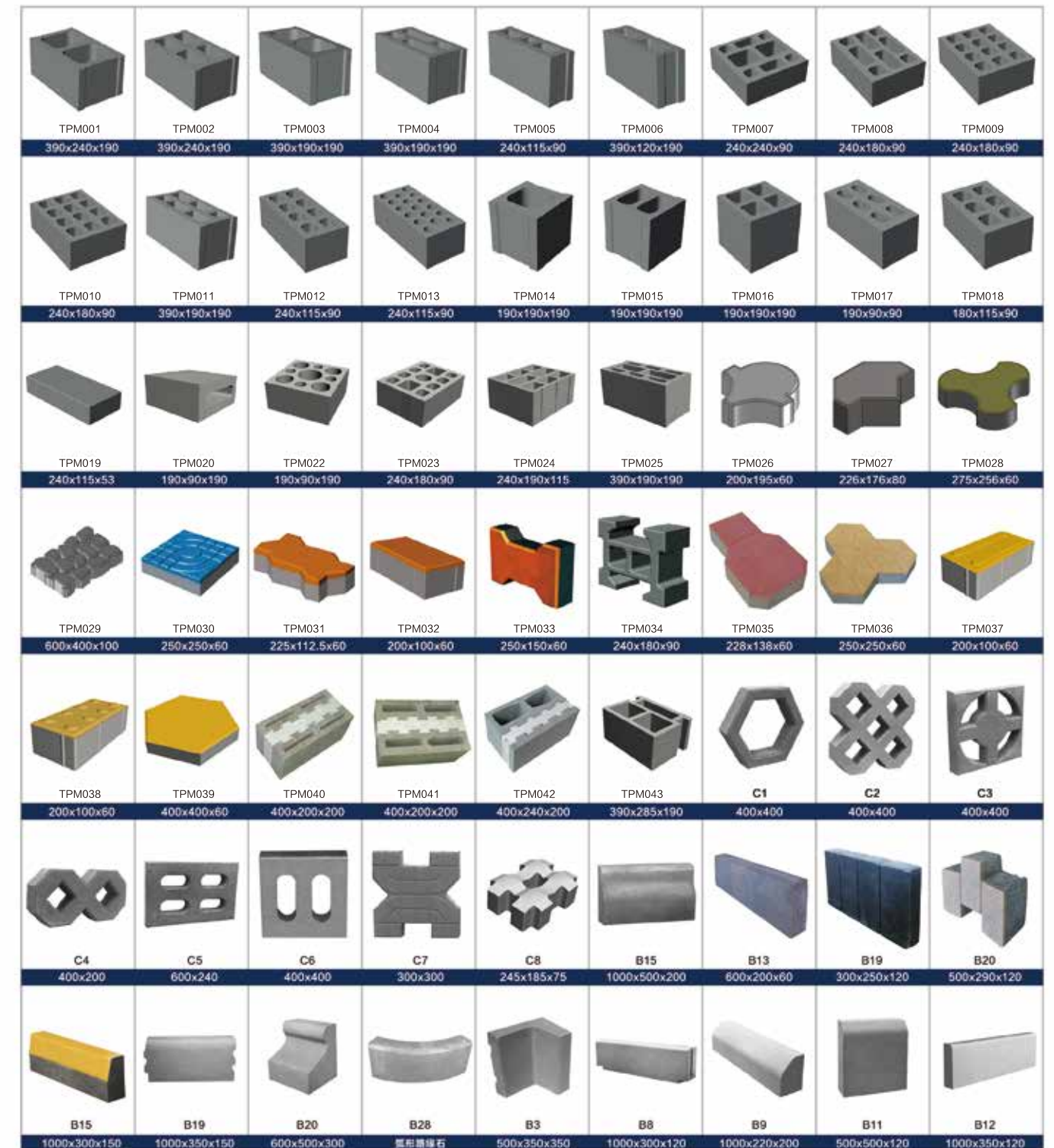
Model		MP330	MP500	MP750	MP1000	MP1500	MP2000
Technical Data							
Output Materials (L)		330 L	500 L	750 L	1000 L	1500 L	2000 L
Input Materials (L)		500 L	750 L	1125 L	1500 L	2250 L	3000 L
Productivity (m ³ /h)		6.6m ³ /h	10m ³ /h	15m ³ /h	20m ³ /h	30m ³ /h	40m ³ /h
Cycle Time (s)		180 s	180 s	180 s	180 s	180 s	180 s
Gross Weight (kg)		1700 kg	2400 kg	3900 kg	6300 kg	7700 kg	9600 kg
Dimension (mm)	Length	1871 mm	2224 mm	2581 mm	2890 mm	3223 mm	3625 mm
	Width	1862 mm	2071 mm	2336 mm	2602 mm	2902 mm	3230 mm
	Height	1855 mm	1910 mm	2195 mm	2220 mm	2425 mm	2630 mm
Mixing Blades	Rotary Speed	46	46	44	35	35	31
	Number	2	2	3	4	4	6
	Theoretical Lifetime	10,000 times	10,000 times	10,000 times	10,000 times	10,000 times	10,000 times
Mixing Liner	Side Liner	20	24	120	120	144	180
	Bottom Liner	5	10	50	69	82	99
	Theoretical Lifetime	20,000 times	20,000 times	20,000 times	20,000 times	20,000 times	20,000 times
Mixing Motor Power (Kw)		15 Kw	18.5 Kw	30 Kw	37 Kw	55 Kw	75 Kw
Hoist Motor Power (Kw)		4 Kw	4 Kw	7.5 Kw	11 Kw	15 Kw	22 Kw
Hoist Lifting Speed (M/s)		0.25 m/s	0.25 m/s	0.25 m/s	0.25 m/s	0.25 m/s	0.25 m/s
Hydraulic Pump Motor (Kw)		3 Kw	3 Kw	3 Kw	3 Kw	3 Kw	4 Kw
Water Pump Motor (Kw)	Pressure Pump	0.55 Kw	0.55 Kw	2.2 Kw	3 Kw	4 Kw	6.5 Kw
	Inlet pump	1.1 Kw	2.2 Kw	2.2 Kw	2.2 Kw	4 Kw	6.5 Kw
Max. Weight of Cement		200 L	300 L	400 L	500 L	650 L	800 L
Max. Weight of Water		90 L	90 L	200 L	200 L	300 L	400 L

TWIN SHAFTS CONCRETE MIXER



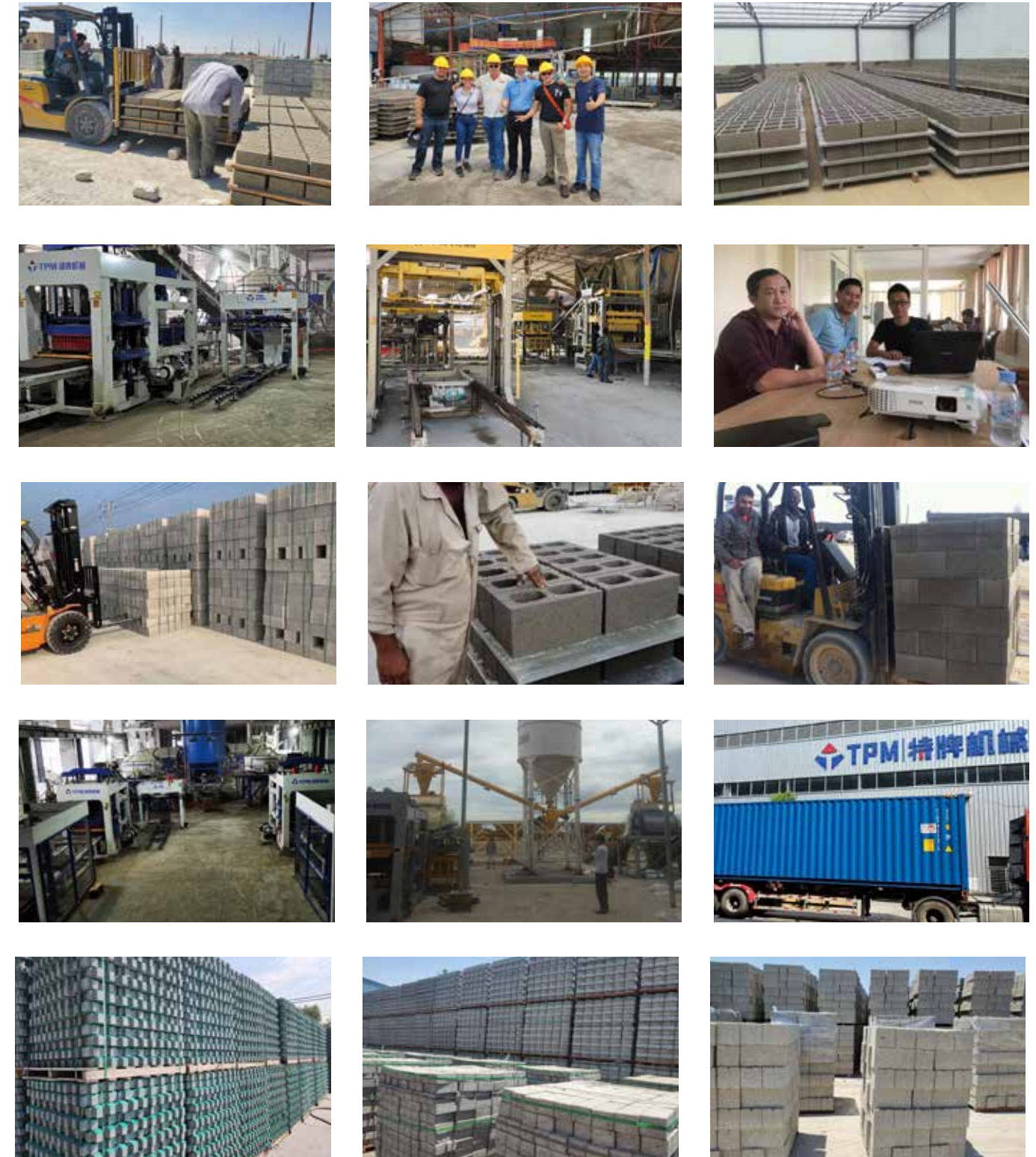
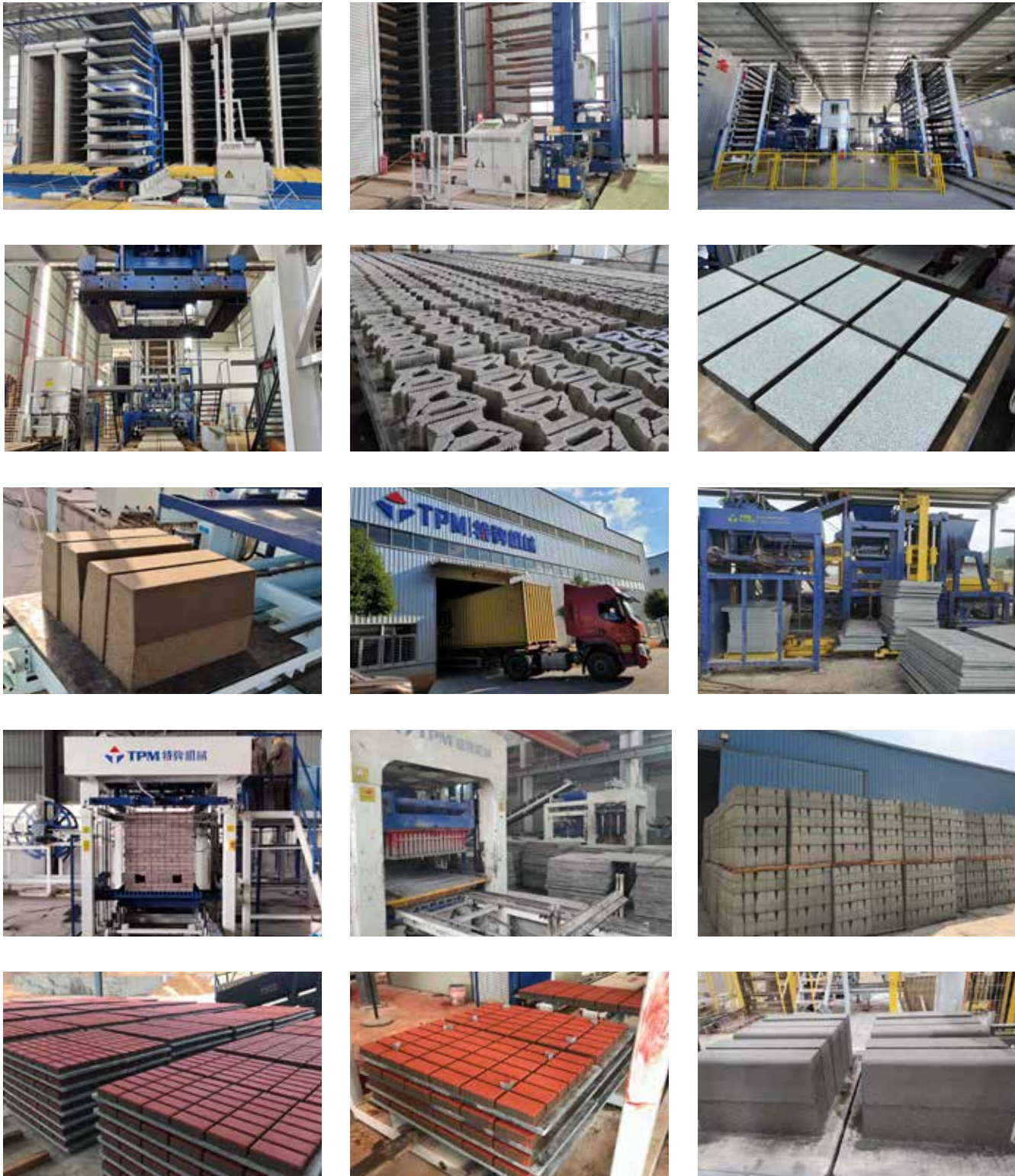
Model		JS500	JN750	JS1000
Technical Data				
Output Materials (L)		500 L	750 L	1000 L
Input Materials (L)		750 L	1150 L	1500 L
Productivity (m³/h)		25m³/h	35m³/h	50m³/h
Cycle Time (s)		72 s	72 s	60 s
Gross Weight (kg)		4000 kg	5500 kg	8750 kg
Mixing Blades	Rotary Speed	30.5 r/min	35 r/min	25.5 r/min
	Number	2 x 7	2 x 7	2 x 8
Mixing Motor Power (Kw)		18.5 Kw	30 Kw	2 x 18.5Kw
Total Power (Kw)		25.5 Kw	39.35 Kw	50.20Kw

CONCRETE PRODUCT SAMPLES



WORLDWIDE PROJECTS

WORLDWIDE PROJECTS



FULLY AUTOMATIC CONCRETE PRODUCTS PRODUCTION LINE WITH FINGER CAR GROUP SYSTEM



- | | | | |
|---------------------------|---------------------|-------------------------------------|-------------------------|
| 1 Press-Vibrating Machine | 5 Finger Car Group | 9 Cuber | 13 Cross Conveyor |
| 2 Face Mix Hopper | 6 Lowerator | 10 Transport Pallet Feeding Machine | 14 Pallet Buffer System |
| 3 Hydraulic System | 7 Pre-Cubing | 11 Finished Products Conveyor | 15 Pallet Cubes Storage |
| 4 Elevator. | 8 Dry Side Conveyor | 12 Pallet Turning Machine | 16 Curing Chamber |
| | | | 17 Pedestrian Bridge |

FULLY AUTOMATIC CONCRETE PRODUCTS PRODUCTION LINE WITH MOVABLE STEEL RACK SYSTEM



- | | | | |
|------------------------------------|------------------------------|----------------------------------|-------------------------------------|
| 1 Cement Silo | 6 Base Materials Mixer | 11 Face Mix Hopper | 16 Steel Rack |
| 2 Aggregates Batching Machine Fine | 7 Face Materials Mixer | 12 Pedestrian Bridge | 17 Dry Products Conveyor |
| 3 Sand Batching Machine Screw | 8 Belt Conveyor for Base Mix | 13 Wet Products Elevating Device | 18 Cuber/Palletizer |
| 4 Conveyor | 9 Belt Conveyor for Face Mix | 14 Steel Rack Conveyor | 19 Pallet Turing Machine |
| 5 Cement Scale | 10 Press-Vibrating Machine | 15 Dry Products Elevating Device | 20 Transport Pallet Feeding Machine |
| | | | 21 Finished Products Conveyor |
| | | | 22 Control Room |

TWO AUTOMATIC CONCRETE PRODUCTS P RODUCTION LINE IN ONE FACTORY



- 1 Cement Silo
- 2 Screw Conveyor
- 3 Cement Weighing System
- 4 Mixer for Base Materials
- 5 AGGREGATES BATCHING MACHINE
- 6 Belt Conveyor
- 7 Automatic Block Making Machine
- 8 Control System
- 9 Belt Conveyor
- 10 Face Mix Hopper
- 11 Elevator/Stacker
- 12 Mixer for Face Materials

AUTOMATIC CONCRETE PRODUCTS PRODUCTION LINE (POPULAR DESIGN)



- 1 Cement Silo
- 2 Screw Conveyor
- 3 Cement Weighing System
- 4 Mixer for Base Materials
- 5 AGGREGATES BATCHING MACHINE
- 6 Belt Conveyor
- 7 Automatic Block Making Machine
- 8 Control System
- 9 Belt Conveyor
- 10 Face Mix Hopper
- 11 Elevator/Stacker
- 12 Mixer for Face Materials

OUR SERVICE

SERVICE COMMITMENT

TPM sets up branch offices and spare parts warehouse in China and also all over the world, we provide 24/7 and all weather services for our customers. We have a skilled team for technical consultation, spare parts supply, operators training, etc. Our high quality equipment and professional service bring us a great reputation from domestic and overseas customers.

PRE-SALES SERVICE

- 1) Factory layout design;
- 2) Technical consultation;
- 3) Feasibility Study;
- 4) Return on Investment Analysis.

SALES SERVICE

- 1) Guide the civil works preparation;
- 2) Guide the machine installation and commissioning;
- 3) Operators training;
- 4) Quality control on the finished products.

AFTER-SALES SERVICE

- 1) One year warranty from the date of installation;
- 2) Assist customer to set up different production recipes of concrete products making.
- 3) Provide spare parts and on time after sales service;
- 4) Regular visit to customers, make sure the machine in good condition.



DOMESTIC BRANCH OFFICES

Yun Nan Province Office	Address: KunMing City, Yun Nan Province
Gui Zhou Province Office	Address: GuiYang City, Gui Zhou Province
Zhe Jiang Province Office	Address: YiWu City, Zhe Jiang Province
Shan Dong Province Office	Address: JiNan City, Shandong Province
Guang Xi Province Office	Address: LiuZhou City, GuangXi Province
Jiang Xi Province Office	Address: YiChun City, JiangXi Province

OVERSEAS BRANCH OFFICES

Cambodia Office	Address: Phnom Penh City, Cambodia
Mozambique Office	Address: Maputo City, Mozambique
Angola Office	Address: Huambo City, Angola
Egypt Office	Address: Maadi, Cairo, Egypt
Guatemala Office	Address: Ciudad de Guatemala, Guatemala