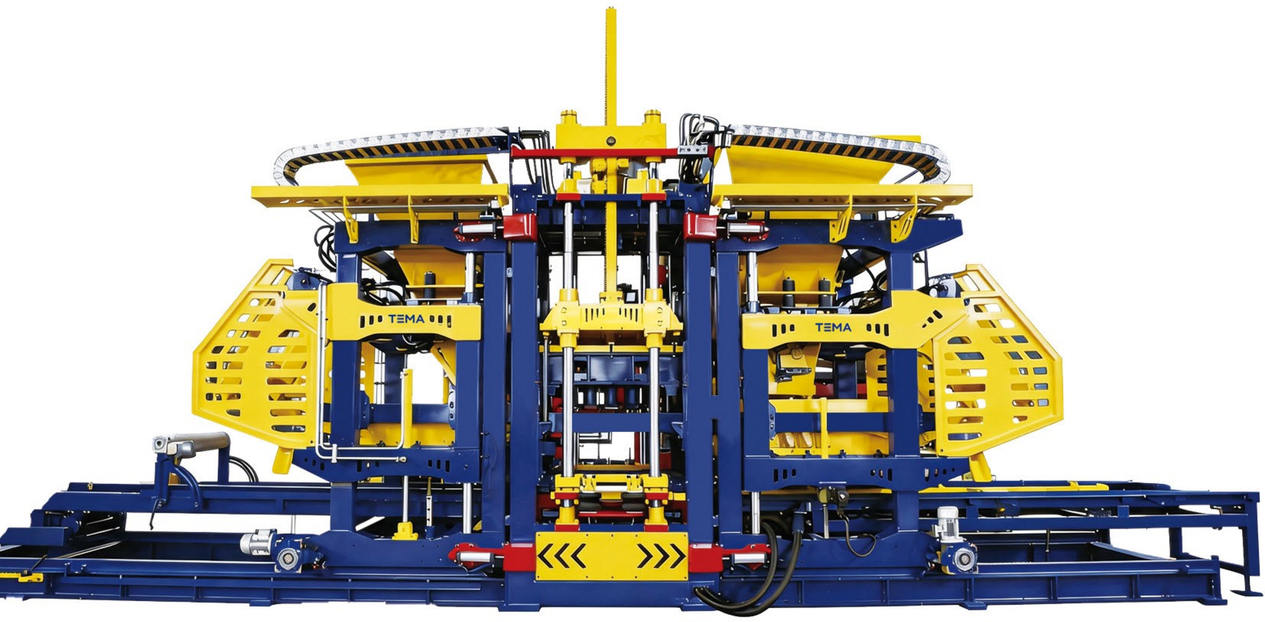
TEMA

Technology Master of Concrete Block Making



Xiamen TemaTechnology Co., Ltd.

TECHNOLOGY MASTER
OF CONCRETE
PRODUCTS MAKING



Company Profile

TEMA is one of China's fastest growing block machine manufacturers:

1. Located in Quanzhou City, with a 50,000m²+ production area;

2. ISO 9001 and ISO 14001 certified, ensuring our equipment manufacturing adhere to the international quality and environmental standards.

3. Equipped with state-of-the-art steel processing tools, including CNC gantry machining centers, automated heat treatment systems, laser cutting machines, and plasma flame-cutting machines, ensuring high precision and quality in machine manufacturing;

4. Global presence with sales and after-sales centers, including local partners in India, Bangladesh, South Africa, Zimbabwe, Cambodia, Guatemala, Egypt, Libya, Senegal, Morocco, Ecuador and more, providing localized support and excellent service to our customers.

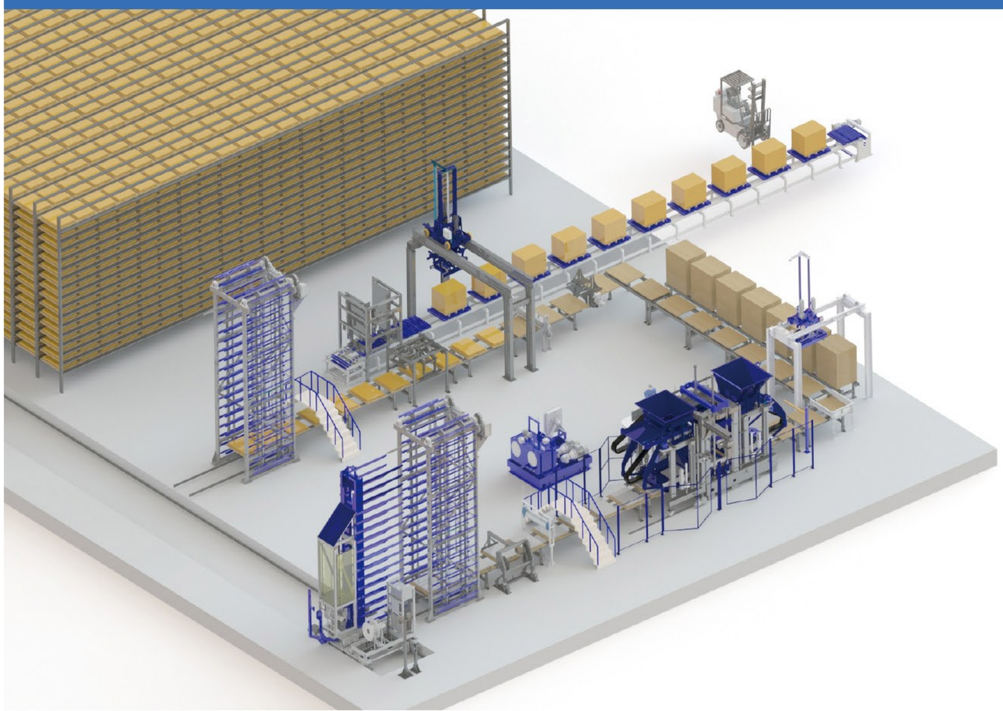
Economical solution concrete block production line



Fully automatic concrete block production line with movable steel racks



Fully automatic concrete block production line with finger car and steel curing room



TM6000 Concrete Paver Block Machine



TM6000 TECHNICAL PARAMETERS

Pallet Size: 880×680×25（mm） Forming Area: 820×620（mm）	Vibration Force: 2× 9kw（Frequency Inverter Controlled） Dynamic and static structure vibration table
Control System: Siemens PLC Control, Online Remote Service System	Feeder Car Design: Double swing arms driven, Powered by Siemens motor
Products Height: 50-200（mm） (Possible to heighten to 300mm)	Hydraulic System: 18.5kw Siemens motor, Japanese Yuken valves, Youshun Hydraulic Pump
Cycle Time: 15-20（Seconds）	Power Consumption: 41.5 kW
Machine Gross Weight: 7.5 Ton	Vibration Force: 90-100（KN）

TM6000 Production Capacity in 8-10 hours

400×200×200mm Hollow Block	6 Pieces/Cycle	7,000-9,000 Pieces/8-10hours
400×150×200mm Hollow Block	8 Pieces/Cycle	9,000-12,000 Pieces /8-10hours
210×100×70mm Stock Brick	24Pieces/Cycle	36,000-43,200Pieces/8-10hours
230×110×75mm Solid Brick (Flat)	15 Pieces/Cycle	22,500-27,000 Pieces/8-10hours
240×115×70mm Solid Brick	24 Pieces/Cycle	36,000-43,200Pieces/8-10hours
200×100×60mm Cabro Block	21 Pieces/Cycle	21,000-31,500 Pieces/8-10hours
225×112.5×60mm Zigzag Paver	15 Pieces/Cycle	15,000-22,500 Pieces/8-10hours

TM4000 Concrete Paver Block Machine



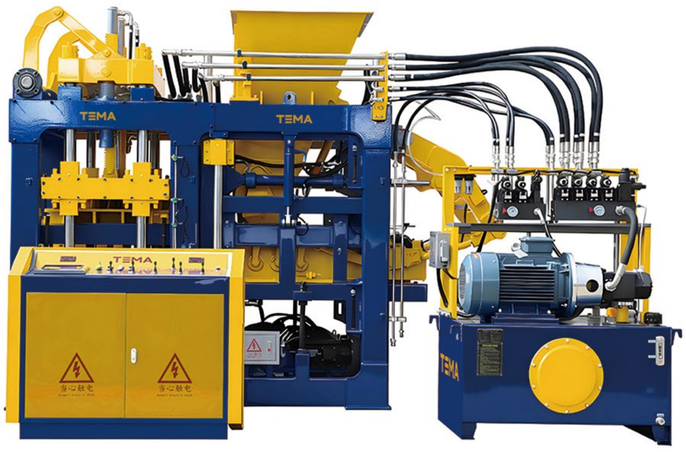
TM4000 TECHNICAL PARAMETERS

Pallet Size: 880×540×20-25（mm） Forming area: 820×500 (mm)	Vibration Force: 2×5.5kw（Frequency Inverter Controlled） Integrated casting vibration table
Control System: Siemens PLC Control Online Remote Service System	Feeder Car Design: With wear-resistant feeding rails Super-fast raking design
Products Height: 50-200（mm）	Hydraulic System: 15kw and uses Japanese Yuken valves
Cycle Time: 15-20（Seconds）	Power Consumption: 31kw
Machine Gross Weight: 6 Ton	Vibration Force: 50-70（KN）

TM4000 Production Capacity in 8-10 hours

400×200×200mm Hollow Block	4 Pieces/Cycle	5,000-6,000 Pieces/8-10hours
400×150×200mm Hollow Block	5 Pieces/Cycle	6,000-7,500 Pieces/8-10hours
210×100×70mm Stock Brick	22 Pieces/Cycle	33,000-39,600 Pieces/8-10hours
230×110×75mm Solid Brick (Flat)	12 Pieces/Cycle	18,000-21,600 Pieces/8-10hours
240×115×70mm Solid Brick	18 Pieces/Cycle	27,000-32,400 Pieces/8-10hours
200×100×60mm Cabro Block	14 Pieces/Cycle	14,000-21,000 Pieces/8-10hours
225×112.5×60mm Zigzag Paver	12 Pieces/Cycle	12,000-18,000 Pieces/8-10hours

TM9000 Concrete Paver Block Machine



TM9000 TECHNICAL PARAMETERS

Pallet Size: 1400×700（mm） Forming Area: 1350×650（mm）	Vibration Force: 2×12.8kw Servo Driven Vibration System Dynamic and static structure vibration table
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven, Powered by Siemens motor
Products Height: 50-200（mm） (Possible to heighten to 500mm)	Hydraulic System: 30kw Siemens motor, Janpanese Yuken Hydraulic System
Cycle Time: 15-20（Seconds）	Power Consumption: 65.35 kW
Machine Gross Weight: 15 Ton	Vibration Force: 120-135（KN）

TM9000 Production Capacity in 8-10 hours

400×200×200mm Hollow Block	9 Pieces/Cycle	11,000-14,000 Pieces/8-10hours
400×150×200mm Hollow Block	12 Pieces/Cycle	14,000-18,000 Pieces /8-10hours
210×100×70mm Stock Brick	36Pieces/Cycle	54,000-64,800 Pieces/8-10hours
230×110×75mm Solid Brick (Flat)	25 Pieces/Cycle	37,500-45,000 Pieces/8-10hours
240×115×70mm Solid Brick	40 Pieces/Cycle	60,000-72,000 Pieces/8-10hours
200×100×60mm Cabro Block	36 Pieces/Cycle	36,000-54,000 Pieces/8-10hours
225×112.5×60mm Zigzag Paver	30 Pieces/Cycle	30,000-45,000 Pieces/8-10hours

TM8000 Concrete Paver Block Machine



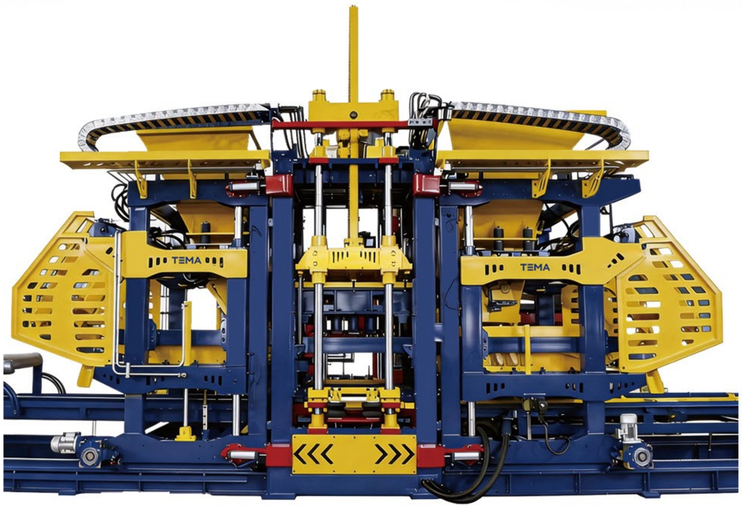
TM8000 TECHNICAL PARAMETERS

Pallet Size: 960×880×25-30（mm） Forming Area: 900×820（mm）	Vibration Force: 2×12kw (Frequency inverter controlled permanent magnet servo motors), Dynamic and static structure vibration table
Control System: Siemens PLC Control, Online Remote Service System	Feeder Car Design: Double swing arms driven, Powered by Siemens motor
Products Height: 50-200（mm） (Possible to heighten to 500mm)	Hydraulic System: 22kw Siemens motor, Italian VTOZ hydraulic valves and American Albert oil pump
Cycle Time: 15-20（Seconds）	Power Consumption: 55.55 kW
Machine Gross Weight: 12 Ton	Vibration Force: 100-120（KN）

TM8000 Production Capacity in 8-10 hours

400×200×200mm Hollow Block	8 Pieces/Cycle	9,000-12,000 Pieces/8-10hours
400×150×200mm Hollow Block	10 Pieces/Cycle	10,000-15,000 Pieces /8-10hours
210×100×70mm Stock Brick	36Pieces/Cycle	54,000-64,800 Pieces/8-10hours
230×110×75mm Solid Brick (Flat)	21 Pieces/Cycle	31,500-37,800 Pieces/8-10hours
240×115×70mm Solid Brick	33 Pieces/Cycle	49,500-59,400 Pieces/8-10hours
200×100×60mm Cabro Block	28 Pieces/Cycle	28,000-42,000 Pieces/8-10hours
225×112.5×60mm Zigzag Paver	21 Pieces/Cycle	21,000-31,500 Pieces/8-10hours

TM12000 Concrete Paver Block Machine



TM12000 TECHNICAL PARAMETERS

Pallet Size: 1400x950 or1200x1150(mm) Forming Area:1350x900 or1150x1100(mm)	Vibration Force: 2×16.5kw Servo Driven Vibration System Dynamic and static structure vibration table
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven, Powered by Siemens motor
Products Height: 50-200（mm） (Possible to heighten to 500mm)	Hydraulic System: 30kw Siemens motor, Janpanese Yuken Hydraulic System
Cycle Time: 15-20（S）	Power Consumption: 68 kW
Machine Gross Weight: 16 Ton	Vibration Force: 135-160（KN）

TM12000 Production Capacity in 8-10 hours

400×200×200mm Hollow Block		12 Pieces/Cycle	14,000-18,000 Pieces/8-10hours
400×150×200mm Hollow Block		16 Pieces/Cycle	19,000-24,000 Pieces /8-10hours
210×100×70mm Stock Brick		54Pieces/Cycle	81,000-97,200 Pieces/8-10hours
230×110×75mm Solid Brick (Flat)		35 Pieces/Cycle	52,500-63,000 Pieces/8-10hours
240×115×70mm Solid Brick		55 Pieces/Cycle	82,500-99,000 Pieces/8-10hours
200×100×60mm Cabro Block		44 Pieces/Cycle	44,000-66,000 Pieces/8-10hours
225×112.5×60mm Zigzag Paver		35 Pieces/Cycle	35,000-52,500 Pieces/8-10hours

TM10000 Concrete Paver Block Machine



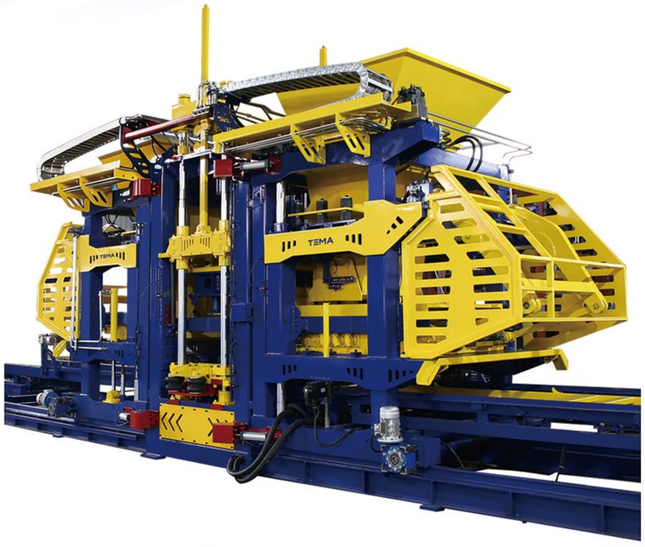
TM10000 TECHNICAL PARAMETERS

Pallet Size: 1100x950x30 (mm) Forming Area: 1150x900 (mm)	Vibration Force: 2x12.8kw ,Vibration System Dynamic and static structure vibration table
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven, Powered by Siemens motor
Products Height: 50-200（mm） (Possible to heighten to 500mm)	Hydraulic System: 30kw Siemens motor, Janpanese Yuken Hydraulic System
Cycle Time: 15-20（Seconds）	Power Consumption: 65.35 kW
Machine Gross Weight: 15 Ton	Vibration Force: 120-135（KN）

TM10000 Production Capacity in 8-10 hours

400×200×200mm Hollow Block		10 Pieces/Cycle	12,000-15,000 Pieces/8-10hours
400×150×200mm Hollow Block		12 Pieces/Cycle	14,000-18,000 Pieces /8-10hours
210×100×70mm Stock Brick		48 Pieces/Cycle	72,000-86,400 Pieces/8-10hours
230×110×75mm Solid Brick (Flat)		27 Pieces/Cycle	40,500-48,600 Pieces/8-10hours
240×115×70mm Solid Brick		44 Pieces/Cycle	66,000-79,200 Pieces/8-10hours
200×100×60mm Cabro Block		36 Pieces/Cycle	36,000-54,000 Pieces/8-10hours
225×112.5×60mm Zigzag Paver		28 Pieces/Cycle	28,000-42,000 Pieces/8-10hours

TM18000 Concrete Paver Block Machine



TM18000 TECHNICAL PARAMETERS

Pallet Size: 1400 x 1300 x 45 (mm) Forming Area: 1350 x 1250 (mm)	Vibration System: 4x16.5Kw Servo-driven vibration motors with Dynamic & Static vibration table
Control System: Siemens PLC Control	Feeder Cart Design: Dual swing arm design,
Products Height: 50-500mm	Hydraulic System: 37kW+22kW, Japanese Yuken Hydraulic Valves
Cycle Time: 15-20S	Power Consumption: 132.5kW

TM18000 Production Capacity in 8-10 hours

400x200x200mm Hollow block	18 pieces/cycle	25,200-27,000 pieces
400x150x200mm Hollow block	24 pieces/cycle	33,600-36,000 pieces
210x100x70mm Stock Brick	95 pieces/cycle	142,500-190,000 pieces
230x110x75mm Solid Brick (Flat)	55 pieces/cycle	82,500-110,000 pieces
240x115x70mm Solid Brick	95 pieces/cycle	142,500-190,000 pieces
200x100x60mm Cabro Block	66 pieces/cycle	79,200-99,000 pieces
225x112.5x60mm Zigzag Paver	50 pieces/cycle	60,000-75,000 pieces

TM15000 Concrete Paver Block Machine



TM15000 TECHNICAL PARAMETERS

Pallet Size: 1400 x 1200 x 45 (mm) Forming Area: 1350x1150 (mm)	Vibration Force: 4×12.8kw Servo Driven Vibration System Dynamic and static structure vibration table
Control System: Siemens PLC Control	Feeder Car Design: Double swing arms driven, Powered by Siemens motor
Products Height: 50-500 (mm)	Hydraulic System: 37kw+22kw Siemens motor, Janpanese Yuken Hydraulic System
Cycle Time: 15-20 (Seconds)	Power Consumption: 115KW
Machine Gross Weight: 25 Ton	Vibration Force: 160-175 (KN)

TM15000 Production Capacity in 8-10 hours

400×200×200mm Hollow Block	15 Pieces/Cycle	21000-22.500 Pieces/8-10hours
400×150×200mm Hollow Block	21 Pieces/Cycle	29,000-31,500 Pieces/8-10hours
210×100×70mm Stock Brick	80 Pieces/Cycle	144,000-160,000 Pieces/8-10hours
230×110×75mm Solid Brick (Flat)	45 Pieces/Cycle	81,000-90,000 Pieces/8-10hours
240×115×70mm Solid Brick	70 Pieces/Cycle	126,000-140,000 Pieces/8-10hours
200×100×60mm Cabro Block	60 Pieces/Cycle	84,000-90,000 Pieces/8-10hours
225×112.5×60mm Zigzag Paver	45 Pieces/Cycle	63,000-67,500 Pieces/8-10hours

AUTOMATIC
BLOCK MAKING PRODUTION LINE







Automatic Elevator-lowerator and Cuber



Side view of concrete block production line



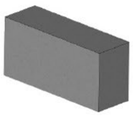
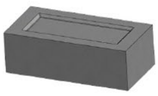
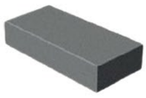
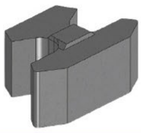
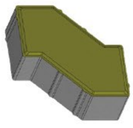
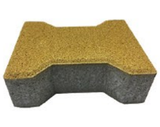
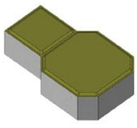
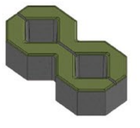
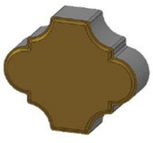
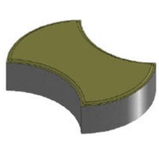
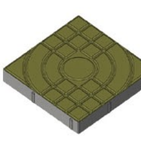
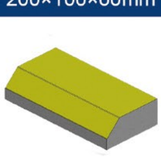
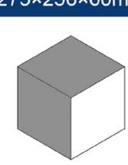
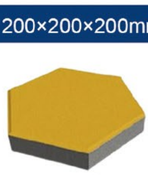
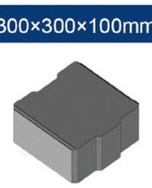
Block Machine



Cuber



Finger Car

					
400×200×200mm	400×150×200mm	400×100×200mm	390×190×190mm	390×140×190mm	390×90×190mm
					
300×150×200mm	230×75×110mm	230×110×75mm	240×115×53mm	230×70×110mm	455×305×203mm
					
200×100×60mm	225×112.5×80mm	171×171×80mm	250×150×60mm	220×138×80mm	400×200×100mm
					
191×146×60mm	250×250×80mm	200×200×60mm	250×177.5×60mm	304.8×304.8×50mm	250×190×60mm
					
200×100×60mm	200×100×60mm	250×250×60mm	400×400×80mm	350×300×100mm	275×256×60mm
					
200×200×200mm	600×300×125mm	300×300×100mm	1000×300×150mm	530×200×200mm	450×450×450mm
					
400×400×60mm	400×400×100mm	225×225×115mm	300×300×100mm	400×200×200mm	400×240×200mm

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