

江苏腾宇机械制造有限公司

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成套建材装备 一体化供应商

FULL SET BUILDING
MATERIAL EQUIPMENTS SUPPLIER



腾宇机械——创想未来无限可能
TENGYU MACHINERY--NORMAL POTENTIAL CREATIVITY FOR THE FUTHER

始建于 1953

SINCE 1953

国家级重合同守信用企业

综合性国家级高新技术企业

国家火炬计划项目

江苏省名牌产品

江苏省著名商标

中国建材机械装备主要生产基地

国家砌块成型装备定点生产单位。



顺势而为



智造美好



高瞻远瞩



大有可为

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Series Concrete Block/Permeable Brick/PC Brick Machinery

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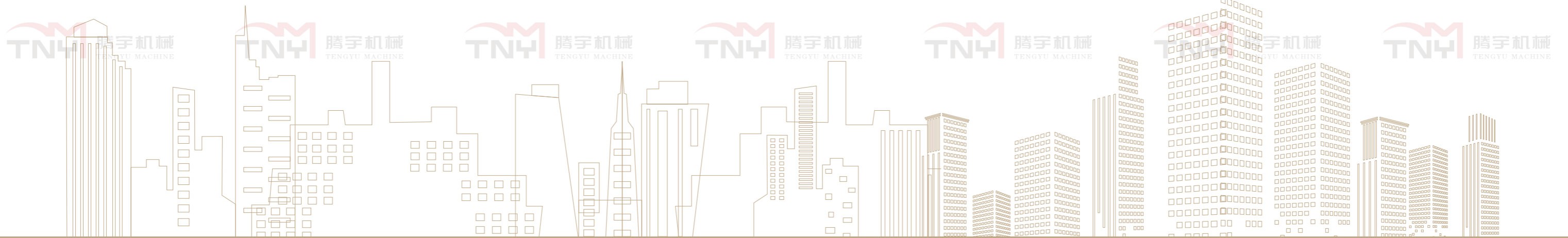
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TNY 腾宇机械
TENG YU MACHINE

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TENG YU MACHINE

应时而生 顺势而为

BORN IN TIME FOLLOW THE

TREND

江苏腾宇机械制造有限公司是一个集建材与环保成套装备设计开发、生产制造、产品销售、工程服务为一体的综合性国家级高新技术企业，公司于 1953 年建厂，1985 年起成为徐工集团紧密型配套公司，重要的零部件供应商，1995 年起引进国外先进技术打造环保建材机械发展至今，七十年风雨砥砺、薪火相传，在艰苦岁月里诞生，在时代风雨中成长。

多年来，公司被授予国家级重合同守信用企业、综合性国家级高新技术企业、国家火炬计划项目、江苏省名牌产品、江苏省著名商标等荣誉证书及称号，并拥有多项业内核心发明专利。腾宇，作为建材装备制造先行者，秉承节能环保理念，敢于担当固体废弃物资源化综合利用技术的领跑者，是中国建材机械装备主要生产基地，国家砌块成型装备定点生产单位。

公司始终坚持“以专业精神满足客户所需，以求精理念塑造知名品牌”为企业宗旨，对质量、信誉执着追求，紧扣世界前沿技术，精心打造高品质建材装备，已形成多品种，多规格，系列化产品，以满足不同用户的不同投资规模需求。

可处理建筑垃圾、炉渣、钢渣、煤矸石、陶粒、粉煤灰、沙石尾料等各种固体废弃物及尾矿。并为客户提供前期产品配比实验、可行性研究、工艺设计、建厂方案、成套设备供应、安装调试等全方位一体化技术服务，实现交钥匙工程。

当人类赖以生产的资源在一天天枯竭时，节能、环保与废弃物资源化利用将成为社会发展永恒的主题。腾宇，以为客户提供高性能、高质量的新型建材装备为已任，打造建材设备百年品牌，不忘初心，砥砺前行！

Jiangsu Tengyu Machinery Manufacturing Co., Ltd. is a comprehensive national high-tech enterprise which is specialized in building machinery and design, manufacturing, product sales and engineering services of complete sets of building machinery and environmental protection equipment. Founded in 1953, Since 1995, TNY became a close supporting company and an important parts supplier of XCMG Group. Since 1995, TNY introduced foreign advanced technology to design and manufacture building machinery till now. 70 years through thick and thin, we grow slowly and gradually mature.

Over the years, TNY has been awarded honorary certificates and titles such as national-level contract-honoring and trustworthy enterprise, comprehensive national-level high-tech enterprise, national torch plan project, Jiangsu famous brand product, and Jiangsu famous trademark, and has a number of core invention patents in the industry. Tengyu, as a pioneer in the building materials and equipment manufacturing industry, adheres to the concept of energy saving and environmental protection, and dares to take the lead in the comprehensive utilization of solid waste resources.

TNY has always adhered to the corporate tenet of "meeting customers' needs with professionalism, and building a well-known brand with the concept of refinement", persistent pursuit of quality and reputation, closely following the world's cutting-edge technology, and meticulously creating high-quality building materials and equipment. Specifications, serialization, to meet the needs of different investment scales of different customers,

Various solid wastes and tailings such as construction waste, slag, steel slag, coal gangue, ceramicsite, fly ash, sand and gravel tailings can be used as raw materials. Providing all-round integrated technical services to customers such as preliminary product ratio experiments, feasibility studies, process design, plant construction plans, complete sets of equipment supply, installation and commissioning, and realize turnkey projects.

When the resources that human rely on for production are exhausted day by day, energy saving, environmental protection and resource utilization of waste will become the eternal theme of social development. Tengyu is committed to providing customers with high-performance and high-quality new building materials and equipment, building a century-old brand of building materials and equipment, not forgetting the original intention, and forging ahead!



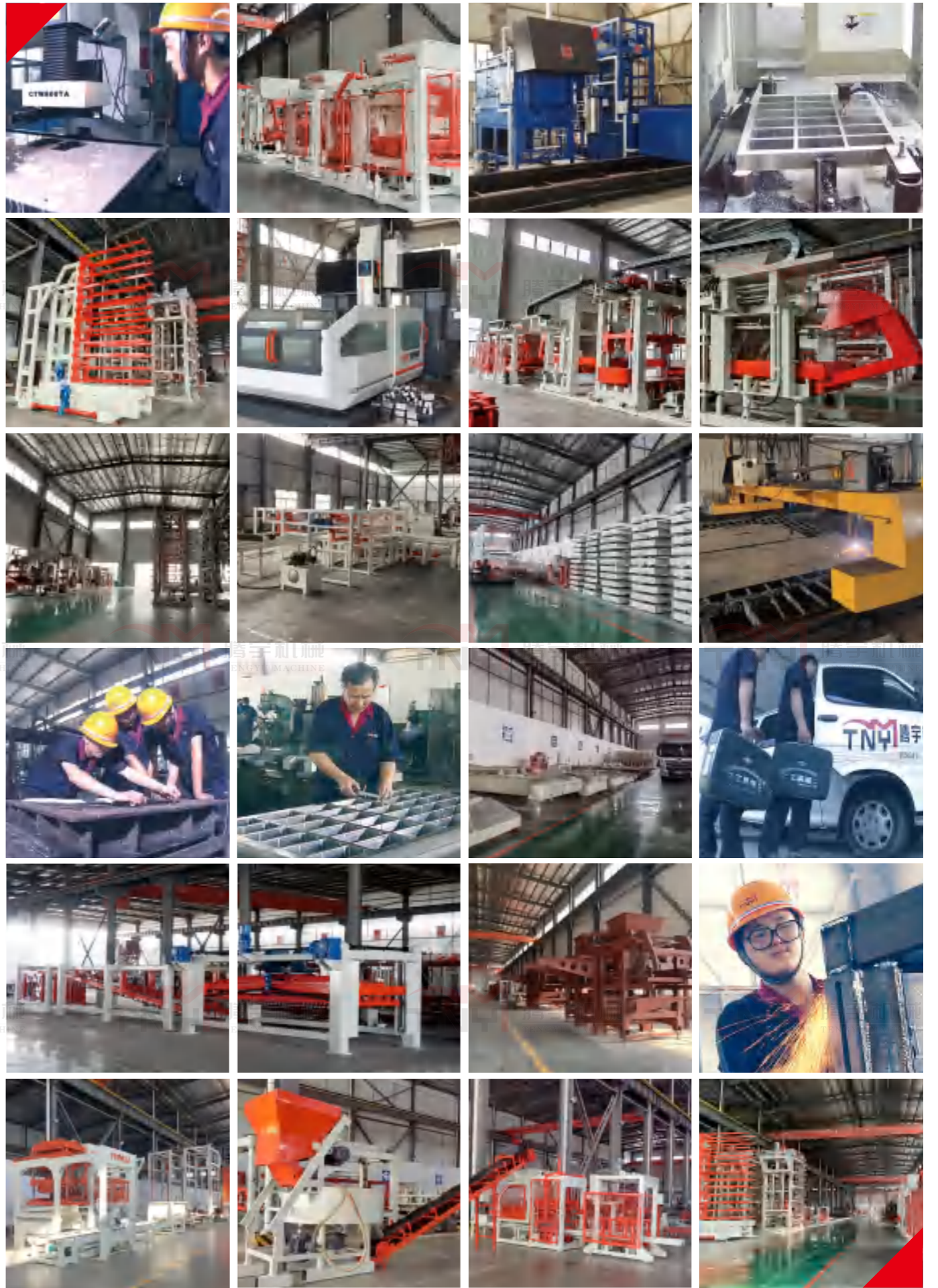
公司主导产品有:

- 系列加气混凝土块 / 板成套设备
- 系列固废 / 尾矿 / 尾粉综合利用成套设备
- 系列混凝土砌块 / 透水砖 / PC 砖成套设备

TNY main products are:

- Complete Sets of AAC/ALC Machinery
- Series of Solid Waste/Tail Powder Comprehensive Utilization Equipment
- Series Concrete Block/Permeable Brick/PC Brick Machinery





高品质 源于更专业

High-quality from
more professional

质量是企业生命、用户的根本。公司拥有完善的质量管理体系，并通过 ISO9001 质量体系认证。公司配备一批先进的数控制造、热处理及检测设备，生产加工能力处于行业前茅。精密件采用世界先进的加工中心生产，关键原件均来自国际知名厂商的全球化采购。腾宇系列成套建材装备具备顶级质量保证，并均为成熟产品，且大批量生产，让客户永久放心。

Quality is the life of the enterprises, and the root of the clients. Our company has complete quality management system, and has got the certificate of ISO9001 and CE. Our company equips with a large number of advanced digital manufacturing and testing equipments, heat treatment equipments, and the produce capacity of our company is as the pacemaker in this manufacture field. All the precision organs are produced by advance machining centers. All the key parts are purchased from the famous globalization companies. Tengyu block machines have the best quality guarantee, and all the products are mature and volume-produce. We are insure to provide our clients with good quality and best machines.

品质开创未来



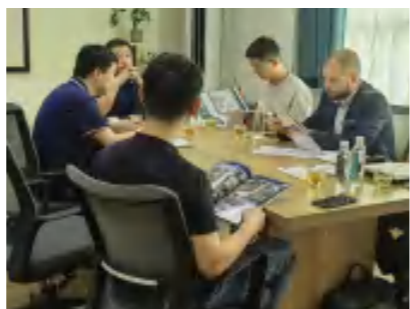
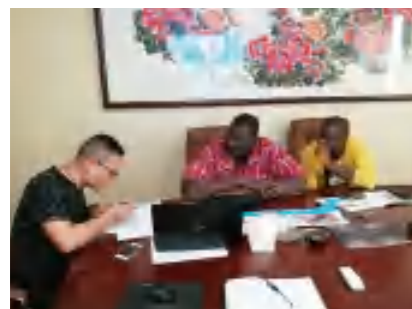
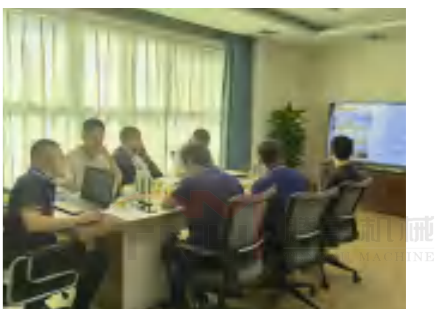
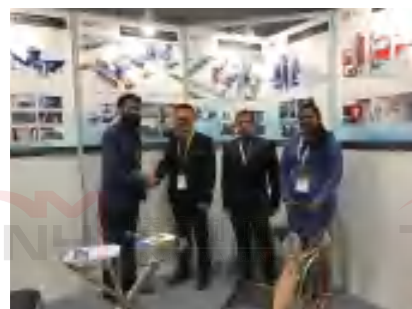
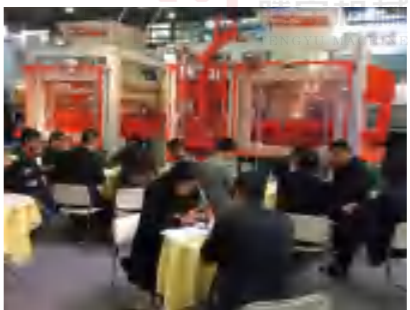
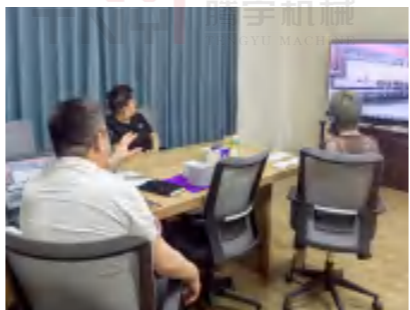
外商来访 Foreign Clients Visiting

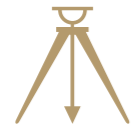


无限市场 Marketing

公司长期致力于市场营销和网络建设，本着“立足中国，拓展世界”的经营目标，产品已覆盖全国各地，并远销巴西、印度、南非、安哥拉、利比亚、赞比亚、澳大利亚、委内瑞拉、越南、印尼、马来西亚、尼日利亚、阿尔及利亚、巴基斯坦等五十多个国家和地区。腾宇进军国际市场的步伐正在加速中，并将逐步成长为国际建材设备市场的生力军。

We are engaged in foreign marketing and e-business, keep the eyes on target of "base on china go toward world", the products are sold to various districts of china, and exported to dozens of foreign countries and districts all the world, such as Australia, Malaysia, Kazakstan, Pakistan, India, Algeria, Angola, Nigeria, Zambia, South Africa, Syria, Brazil, Venezuela, and etc. Tengyu is speeding up to win the international market, and develop into a new force of the international construction materials market.





机械标准国际化 International Machinery Standard

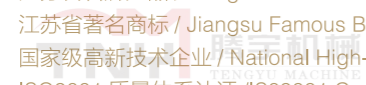
CE 认证 / CE Certificate

江苏省名牌产品 / Jiangsu Famous Products

江苏省著名商标 / Jiangsu Famous Brand

国家级高新技术企业 / National High-tech Enterprise

ISO9001 质量体系认证 / ISO9001 Certificate



企业宗旨

Company Purpose

以专业精神满足市场所需

Satisfy customer with professional spirit

以求精理念塑造知名品牌

Build well-known brand with idea of refinement

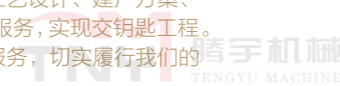
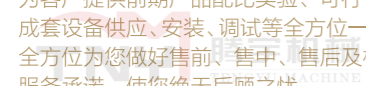


服务承诺

Service Promise

我们将秉承 " 倾我所有, 尽我所能, 竭诚用户, 诚信天下 " 的服务宗旨, 为客户提供前期产品配比实验、可行性研究、工艺设计、建厂方案、成套设备供应、安装、调试等全方位一体化技术服务, 实现交钥匙工程。全方位为您做好售前、售中、售后及相关延伸服务, 切实履行我们的服务承诺, 使您绝无后顾之忧。

We take service principle of "Do our best with the most we can do, supply research of materials ratio, feasibility research, technical program design, project of factory setting up, all technical service of full set of the equipment supply, installation, commissioning .Provide all service of pre- sale, sells, offer-sale and related extending service, enable you without any worry.



成套建材装备一体化供应商

Full set building material equipments supplier

工艺设计
Technical program



整厂规划
Factory-design project

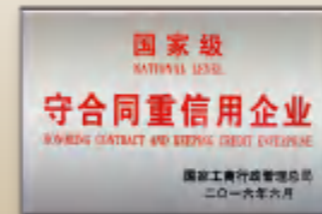
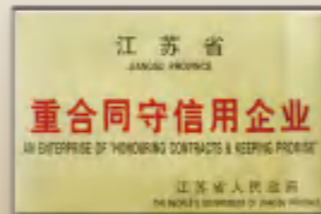
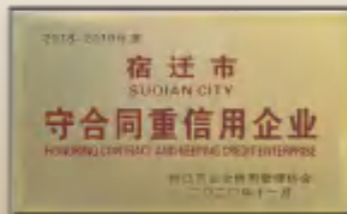
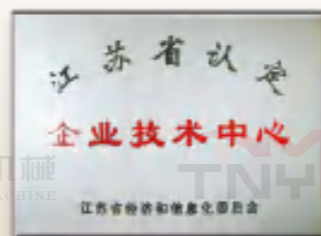
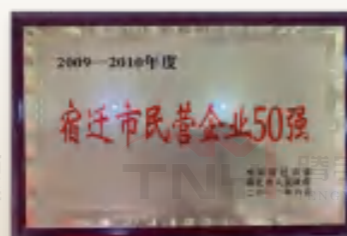
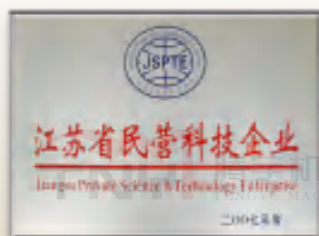


交钥匙工程
Turn-key project





腾宇机械 —— 内修品质外塑形象，用心助力行业发展。



智造美好 博纳百川

WISDOM CREATES BEAUTY BONA BAICHUAN

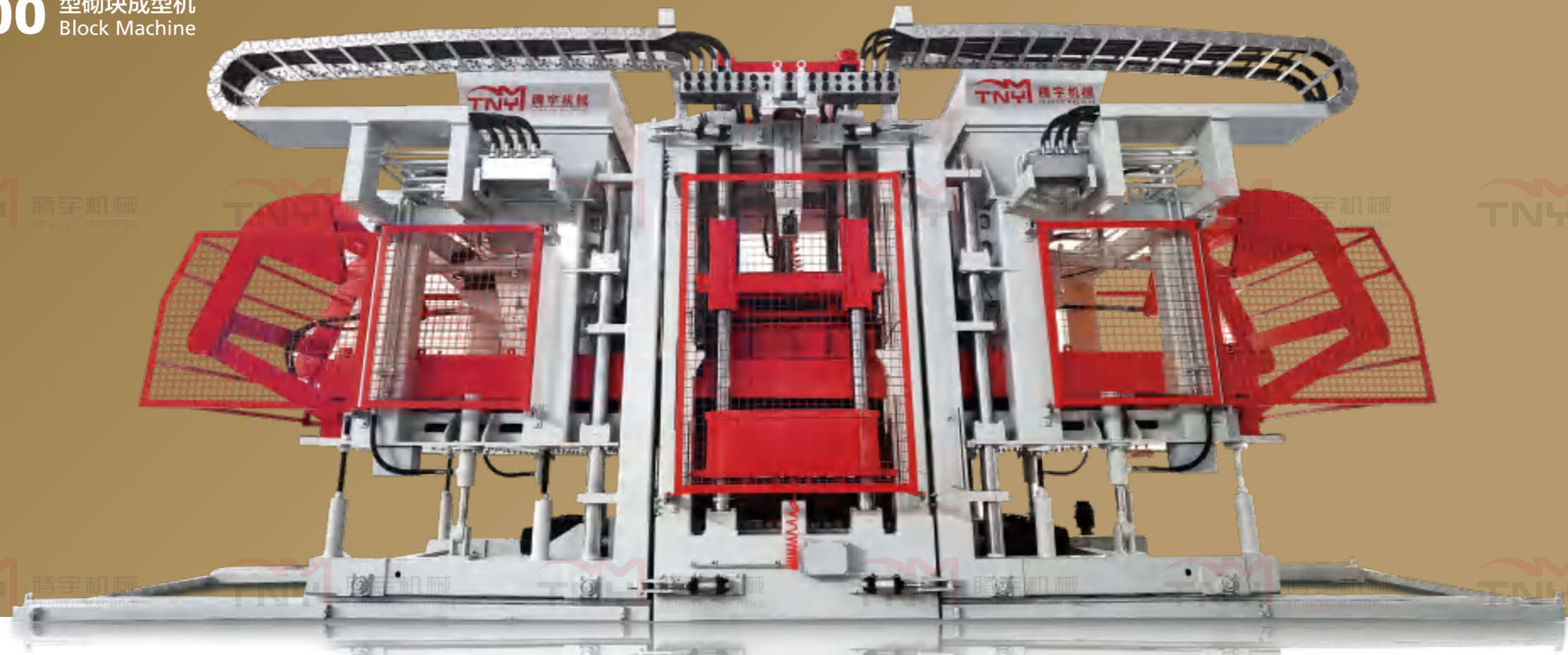


▲
系列混凝土砌块/透水砖/PC砖成套设备
Series Concrete Block/Permeable Brick/PC Brick Machinery



▲
系列固废/尾矿/尾粉综合利用成套设备
Series of Solid Waste/Tail Powder Comprehensive Utilization Equipment

TNY1800/1500 型砌块成型机 Block Machine



系列混凝土砌块/透水砖/PC砖成套设备
Series Concrete Block/Permeable Brick/PC Brick Machinery

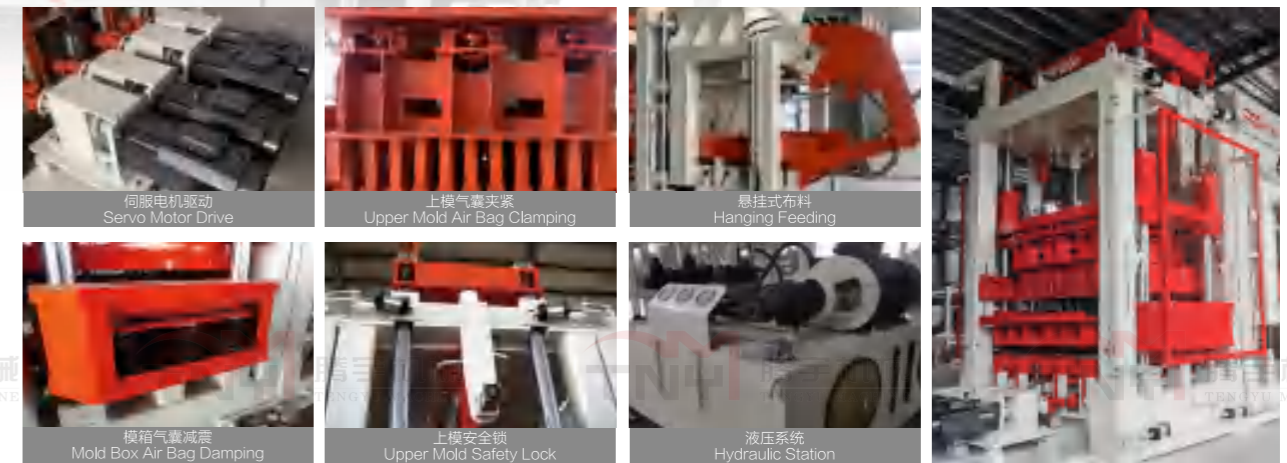
全伺服技术 Full Servo Technology

主要技术特点:

- 1. 高效伺服振动技术:** 振动系统由八台伺服电机驱动偏心装置, 通过伺服控制技术实现振动器的超高转速和超大激振力, 激振力在振动台上分布均匀, 确保制品的强度和密实度。
- 2. 伺服液压控制技术:** 液压系统采用伺服控制技术, 实现送料、压头升降、脱模、布料等动作快速运行及刹车功能, 运行过程采用柔性自动化控制技术, 减少液压冲击, 低噪音, 全面提升整机的生产效率和稳定性。
- 3. 液压破拱技术:** 采用液压破拱送料装置, 很好的解决了超大型砌块成型机布料不均匀的问题, 提高制品质量及制品强度。
- 4. 气囊夹紧技术:** 模具上下模均采用气囊夹紧技术, 定位精准, 安装方便快捷。
- 5. 气囊减震系统:** 模箱采用气囊减震系统, 减震效果可调, 减少工作噪音, 提高使用寿命。
- 6. 智能控制系统:** 全程采用 PLC 智能控制和人机界面对话系统, 实现随机信号分析, 故障诊断及各种参数设定, 操作简单, 自动化程度高。

Main technical characteristics

- 1. High-efficiency servo vibration technology:** The vibration system is driven by eight servo motors with eccentric devices. The servo control technology is used to achieve ultra-high speed and ultra-large exciting force of the vibrator. The exciting force is evenly distributed on the vibration table to ensure the strength and density of the product.
- 2. Servo hydraulic control technology:** The hydraulic system adopts servo control technology to realize fast operation and braking functions of feeding, pressure head lifting, demoulding, and material feeding. The operation process adopts flexible automatic control technology to reduce hydraulic shock, low noise, and comprehensively improve the production efficiency and stability of the whole machine.
- 3. Hydraulic mixing and feeding technology:** The hydraulic mixing and feeding device is used to effectively solve the problem of uneven material distribution in super-large block forming machines, thereby improving the quality and strength of products.
- 4. Airbag clamping technology:** Both the upper and lower molds adopt airbag clamping technology, which has accurate positioning and quick installation.
- 5. Airbag shock absorption system:** The mold box adopts an airbag shock absorption system with adjustable shock absorption effect, which can reduce working noise and increase service life.
- 6. Intelligent control system:** PLC intelligent control and HMI dialogue system are adopted to realize random signal analysis, fault diagnosis and various parameter settings. Easy to operate and has a high degree of automation.

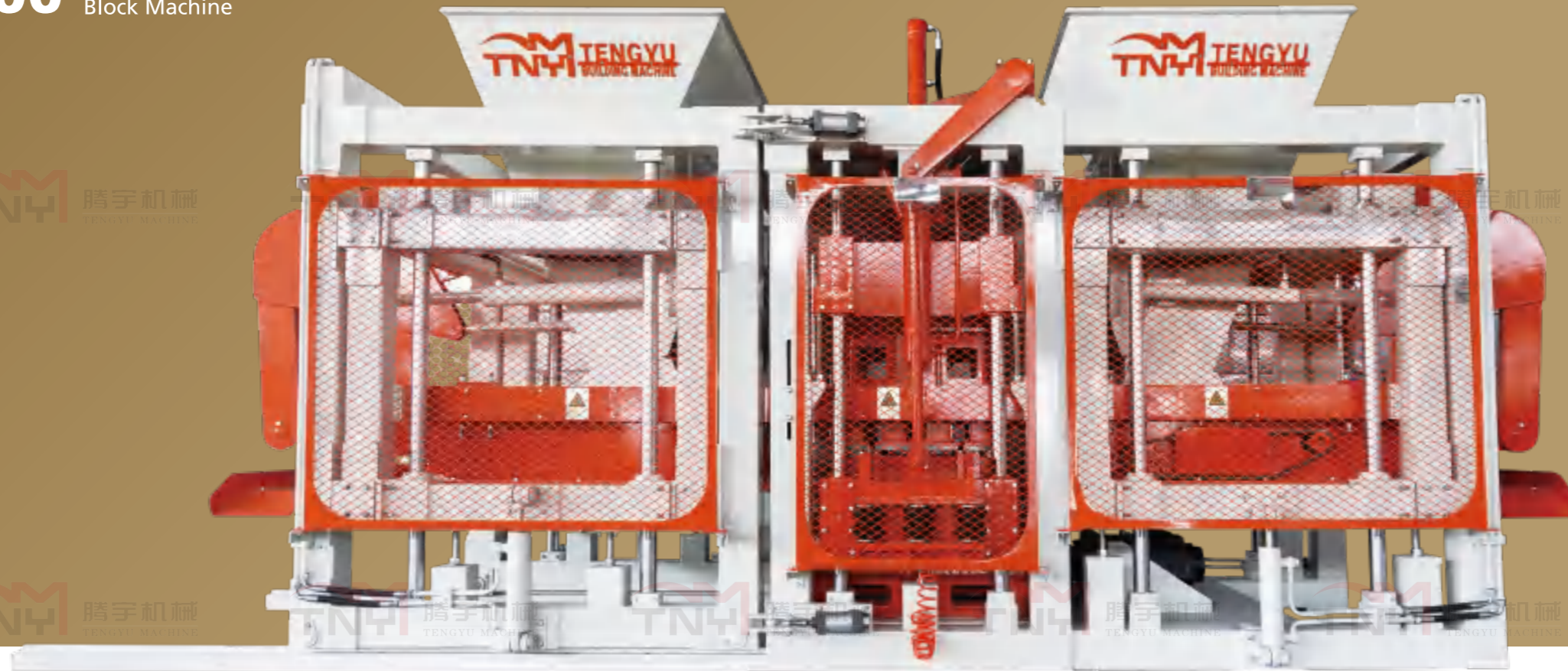


主要技术参数 | Main Technical Parameters

机型 Type	成型周期 Cycle Time (s)	托板规格 Pallet Size (mm)	装机容量 Power (kw)	整机重量 Weight(kg)	成型机外型尺寸 Dimension(mm)
TNY1800	15-22	1400x1400	120	38000	15000x3200x4000
TNY1500	15-22	1400x1200	110	32000	14000x3100x3900

TNY1200/900 型砌块成型机

Block Machine



系列混凝土砌块/透水砖/PC砖成套设备
 Series Concrete Block/Permeable Brick/PC Brick Machinery

全伺服技术 Full Servo Technology

主要技术特点:

- 1. 高效伺服振动技术:** 振动系统由四台伺服电机驱动偏心装置, 通过伺服控制技术实现振动器的超高转速和超大激振力, 激振力在振动台上分布均匀, 确保制品的强度和密度。
- 2. 伺服液压控制技术:** 液压系统采用伺服控制技术, 实现送料、压头升降、脱模、布料等动作快速运行及刹车功能, 运行过程采用柔性自动化控制技术, 减少液压冲击, 低噪音, 全面提升整机的生产效率和稳定性。
- 3. 破拱技术:** 破拱装置采用双电机减速机驱动, 实现 360 度快速旋转破拱, 确保模具型腔布料迅速一致。
- 4. 气囊减震系统:** 模箱采用气囊减震系统, 减震效果可调, 减少工作噪音, 提高使用寿命。
- 5. 智能控制系统:** 全程采用 PLC 智能控制和人机界面对话系统, 实现随机信号分析, 故障诊断及各种参数设定, 操作简单, 自动化程度高。

Main technical characteristics

- 1. High-efficiency servo vibration technology:** The vibration system is driven by four servo motors with eccentric devices. The servo control technology is used to achieve ultra-high speed and ultra-large exciting force of the vibrator. The exciting force is evenly distributed on the vibration table to ensure the strength and density of the product.
- 2. Servo hydraulic control technology:** The hydraulic system adopts servo control technology to realize fast operation and braking functions of feeding, pressure head lifting, demoulding, and material feeding. The operation process adopts flexible automatic control technology to reduce hydraulic shock, low noise, and comprehensively improve the production efficiency and stability of the whole machine.
- 3. Mixing and feeding technology:** The mixing and feeding device is driven by a dual motor reducer to achieve 360-degree rapid mixing, ensuring rapid and consistent distribution of material in the mold cavity.
- 4. Airbag shock absorption system:** The mold box adopts an airbag shock absorption system with adjustable shock absorption effect, which can reduce working noise and increase service life.
- 5. Intelligent control system:** PLC intelligent control and HMI dialogue system are adopted to realize random signal analysis, fault diagnosis and various parameter settings. Easy to operate and has a high degree of automation.



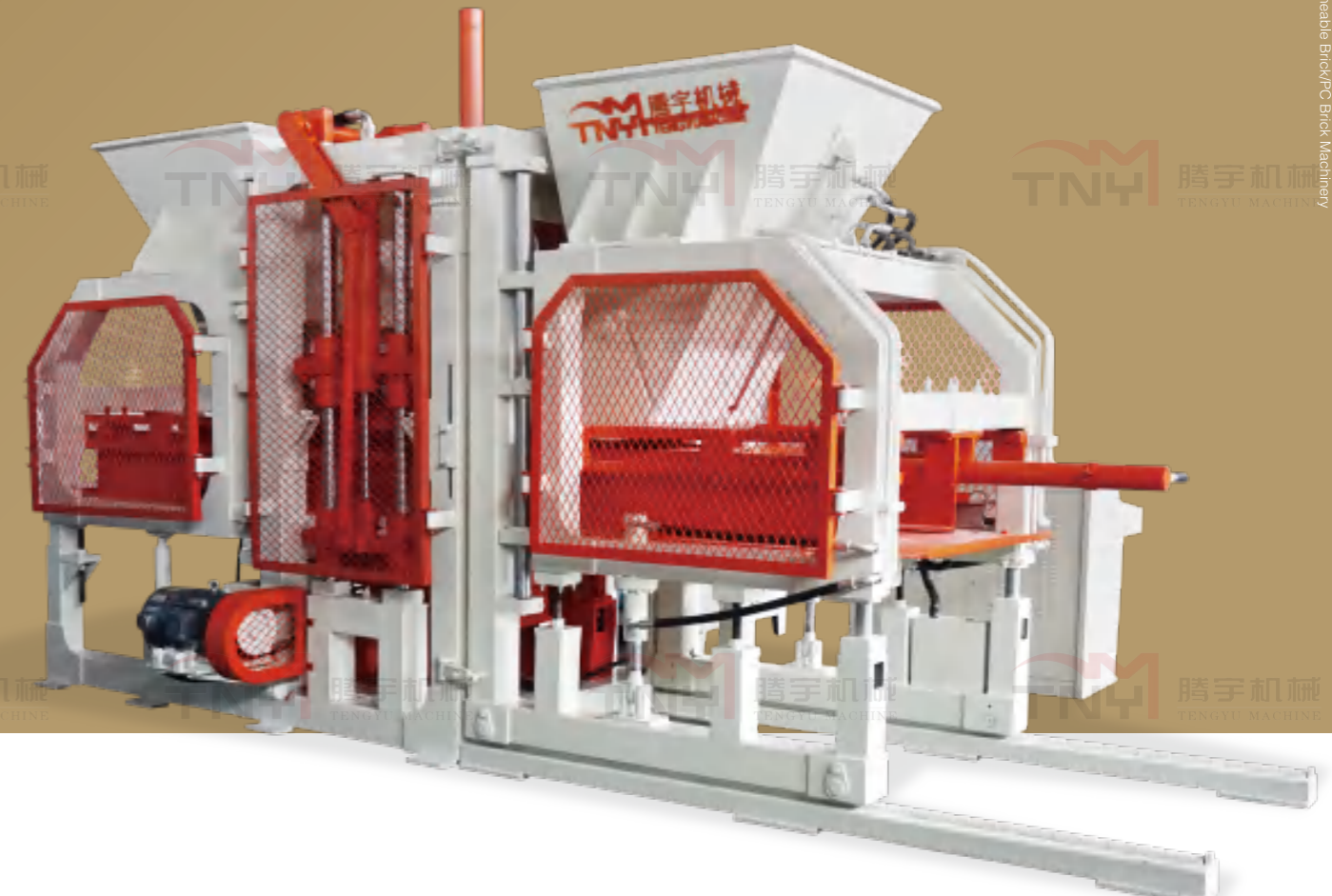
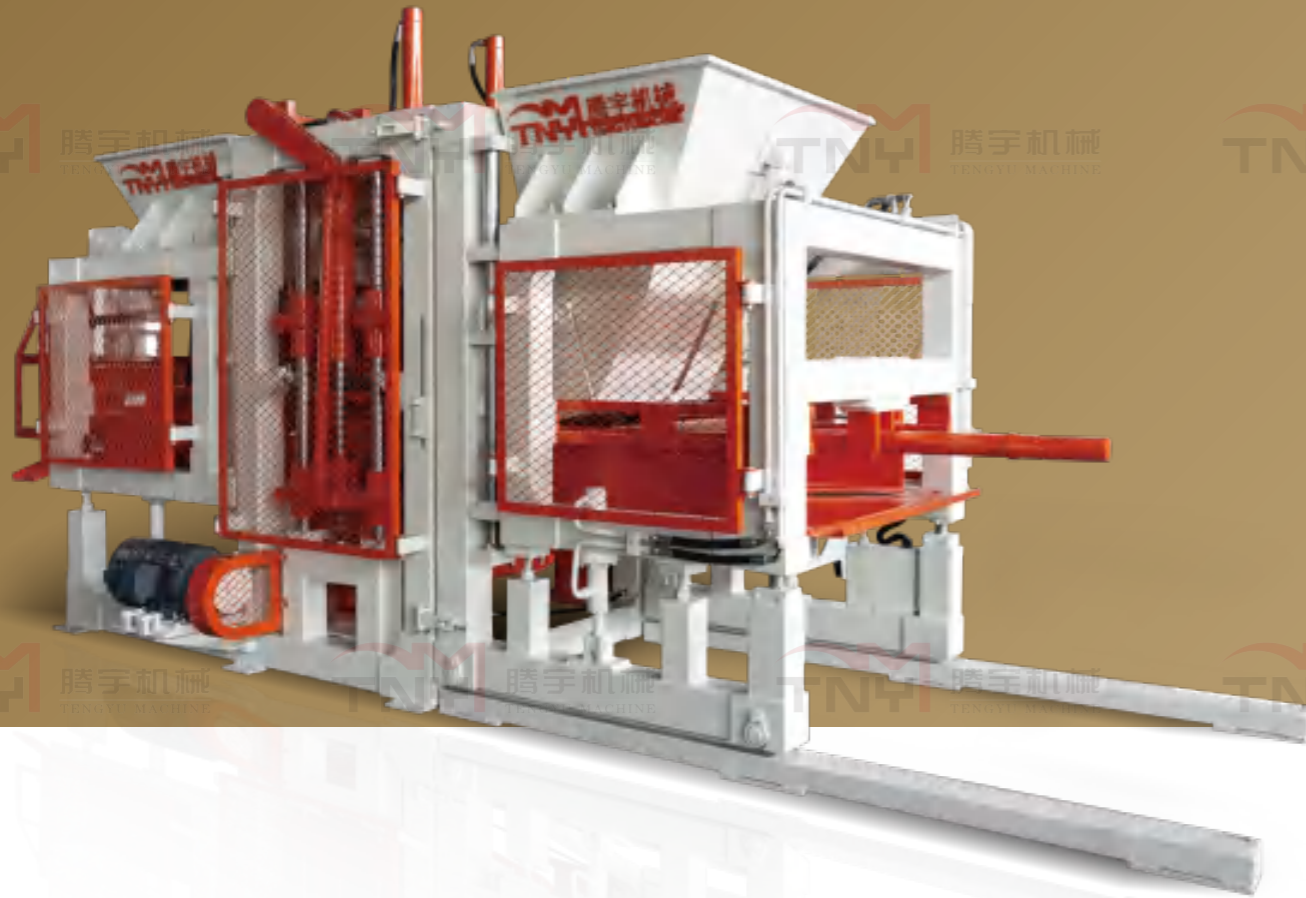
主要技术参数 | Main Technical Parameters

机型 Type	成型周期 Cycle Time (s)	托板规格 Pallet Size (mm)	装机容量 Power (kw)	整机重量 Weight(Kg)	成型机外型尺寸 Dimension(mm)
TNY1200	12-18	1400x950	75	26800	13000x2800x3350
TNY900	12-18	1400x750	68	22600	11000x2620x2880

Q(F)T10-15/8-15 型砌块成型机 Block Machine

Q(F)T6-15/QT4-15 型砌块成型机 Block Machine

系列混凝土砌块/透水砖/P C砖成套设备
Series Concrete Block/Permeable Brick/PC Brick Machinery



主要技术特点:

1. 全程采用 PLC 智能控制及人机对话系统, 轻松实现随机信号分析、故障诊断及各种参数设定, 保证机器的最佳工作效果。
2. 采用先进的无级变频技术, 激振力可根据不同制品的要求任意调整, 保证制品质量。
3. 采用特殊双端合成输出摆动技术, 优化布置振动器, 使激振力在摆动台内均匀分布, 从而确保制品的均匀性和一致性。
4. 强制加料装置: 布料箱送至模箱上方时, 布料箱内搅拌叉快速工作, 确保下料均匀, 保证制品强度一致。
5. 全自动二次布料系统: 实现自动加料至料箱, 同时料箱具有自动升降功能, 适用于不同高度的彩色地砖需要。

Main technical characteristics

1. PLC control and dialogue system of human-machine interface, easy to analyze the signal, ensure the best operation effect.
2. Advanced stepless frequency conversion, easy to adjust the vibrate frequency to make different kinds of blocks
3. Adopt special double-compound output vibration technology. Optimize vibrator to make vibration force even and ensure the consistent production.
4. Compulsive feeding device: When feeder transport above mould box, the mixing blades start rotating, keep the material feed uniform and the products with same density.
5. Automatic color feeder: material feed into feed box automatically. Feed box can rise up and down automatic to make pavers with different heights.

主要技术参数 | Main Technical Parameters

机型 Type	成型周期 Cycle Time (s)	托板规格 Pallet Size (mm)	装机容量 Power (kw)	整机重量 Weight(Kg)	成型机外型尺寸 Dimension(mm)
Q(F)T10-15	12-18	1100 x 950	56	19300	9600x2290x2825
Q(F)T8-15	12-18	1100 x 780	50	16000	8550x2290x2780

主要技术特点:

1. 强制加料装置: 布料箱送至模箱上方时, 布料箱内搅拌叉快速工作, 确保下料均匀, 保证制品强度一致。
2. 全程采用 PLC 智能控制和人机界面对话系统, 轻松实现随机信号分析、故障诊断及各种参数设定, 保证机器的最佳工作效果。
3. 一机多用, 适用性强, 配用不同模具可生产各种形状、规格的墙体砌块、多孔砖、路面砖、护坡砖等。

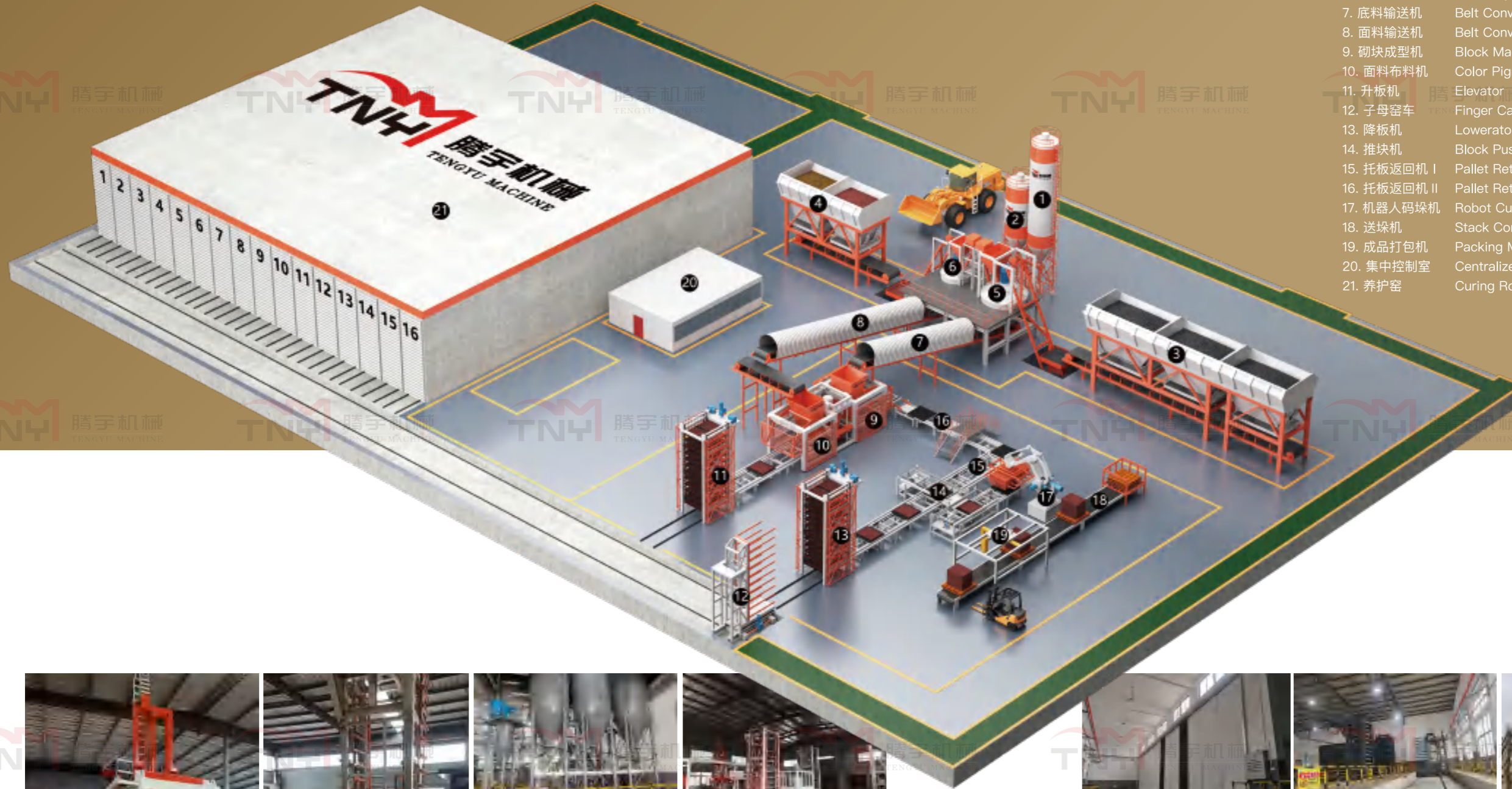
Main technical characteristics

1. Compulsive feeding device: When feeder transport above mould box, the mixing blades start rotating, keep the material feed uniform and the products with same density.
2. PLC control and dialogue system of human-machine interface, easy to analyze the chance signal, ensure the best operation effect.
3. Multi-purpose: Change different moulds can produce various kinds of hollow blocks, porous blocks, solid bricks, color pavers, revetment bricks. Products with high compressive strength.

主要技术参数 | Main Technical Parameters

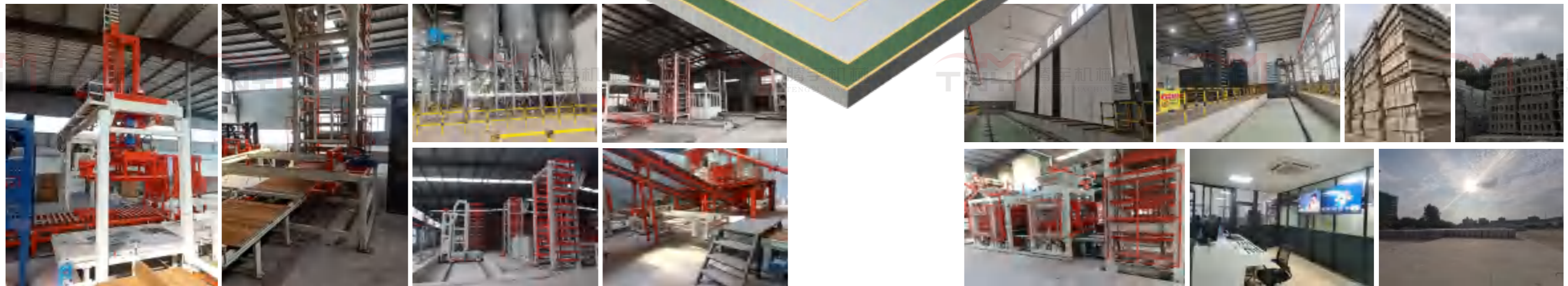
机型 Type	成型周期 Cycle Time (s)	托板规格 Pallet Size (mm)	装机容量 Power (kw)	整机重量 Weight(Kg)	成型机外型尺寸 Dimension(mm)
Q(F)T6-15	12-18	860 x 780	35.7	13700	8550x2245x2780
QT4-15	12-18	900 x 540	25.6	5600	5800x4600x2500

全自动砌块生产线（闭式） Fully Automatic Block Production Line (Finger Cart)



- | | |
|--------------|--------------------------------------------|
| 1. 底料水泥仓 | Cement Silo (bottom layer aggregates) |
| 2. 面料水泥仓 | Cement Silo (upper layer pigment) |
| 3. 底料配料机 | Batching Machine (bottom layer aggregates) |
| 4. 面料配料机 | Batching Machine (upper layer pigment) |
| 5. 底料搅拌机 | Mixer (bottom layer concrete) |
| 6. 面料搅拌机 | Mixer (upper layer pigment) |
| 7. 底料输送机 | Belt Conveyor (bottom layer concrete) |
| 8. 面料输送机 | Belt Conveyor (upper layer pigment) |
| 9. 砌块成型机 | Block Machine |
| 10. 面料布料机 | Color Pigment Feeder |
| 11. 升板机 | Elevator |
| 12. 子母窑车 | Finger Cart |
| 13. 降板机 | Lowerator |
| 14. 推块机 | Block Pusher |
| 15. 托板返回机 I | Pallet Return Device I |
| 16. 托板返回机 II | Pallet Return Device II |
| 17. 机器人码垛机 | Robot Cuber |
| 18. 送垛机 | Stack Conveyor |
| 19. 成品打包机 | Packing Machine |
| 20. 集中控制室 | Centralized Control Room |
| 21. 养护窑 | Curing Room |

系列混凝土砌块/透水砖/PC砖成套设备
Series Concrete Block/Permeable Brick/PC Brick Machinery



全自动砌块生产线 (离线码垛)
Fully Automatic Block Production Line
(Offline Cubing System)



- | | |
|-----------|---------------------------------------|
| 1. 配料机 | Batching Machine |
| 2. 底料水泥仓 | Cement Silo (bottom layer aggregates) |
| 3. 面料水泥仓 | Cement Silo (upper layer aggregates) |
| 4. 底料搅拌机 | Mixer (bottom layer concrete) |
| 5. 面料搅拌机 | Mixer (upper layer concrete) |
| 6. 底料输送机 | Belt Conveyor (bottom layer concrete) |
| 7. 面料输送机 | Belt Conveyor (upper layer concrete) |
| 8. 砌块成型机 | Block Machine |
| 9. 面料布料机 | Color Pigment Feeder |
| 10. 码板机 | Stacker |
| 11. 导向架 | Guide Device |
| 12. 成品输送机 | Finished Product Conveyor |
| 13. 抬板机 | Pallet Elevator |
| 14. 送板机 | Pallet Conveyor |
| 15. 码垛机 | Automatic Cuber |
| 16. 叠板机 | Pallet Collector |
| 17. 上板机 | Pallet Loader |
| 18. 送垛机 | Stack Conveyor |
| 19. 成品打包机 | Packing Machine |
| 20. 集中控制室 | Centralized Control Room |
| 21. 养护窑 | Curing Room |

系列混凝土砌块/透水砖/PC砖成套设备
Series Concrete Block/Permeable Brick/PC Brick Machinery



全自动砌块生产线 (带架养护)
Fully Automatic Block Production Line
(Rack System)



- | | |
|------------|---------------------------------------|
| 1. 配料机 | Batching Machine |
| 2. 底料水泥仓 | Cement Silo (bottom layer aggregates) |
| 3. 面料水泥仓 | Cement Silo (upper layer aggregates) |
| 4. 底料搅拌机 | Mixer (bottom layer concrete) |
| 5. 面料搅拌机 | Mixer (upper layer concrete) |
| 6. 底料输送机 | Belt Conveyor (bottom layer concrete) |
| 7. 面料输送机 | Belt Conveyor (upper layer concrete) |
| 8. 砌块成型机 | Block Machine |
| 9. 面料布料机 | Color Pigment Feeder |
| 10. 上架机 | Rack Elevator |
| 11. 养护架输送机 | Rack Conveyor |
| 12. 下架机 | Rack Lowerator |
| 13. 推块机 | Block Pusher |
| 14. 托板返回机 | Pallet Return Conveyor |
| 15. 码垛机 | Automatic Cuber |
| 16. 送垛机 | Stack Conveyor |
| 17. 成品打包机 | Packing Machine |
| 18. 集中控制室 | Centralized Control Room |
| 19. 养护窑 | Curing Room |

系列混凝土砌块/透水砖/PC砖成套设备
Series Concrete Block/Permeable Brick/PC Brick Machinery



离线码垛成套设备 Full Set Curbing Machinery

离线码垛系统主要是针对目前砖厂生产中，人工码垛劳动强度大、生产效率低而研发的一种专用码垛系统，可独立运行，大大提高了砌块生产的自动化。

The offline machine cubing system is a special cubing system developed for the high labor intensity and low production efficiency of manual cubing during the production process. It can operate independently, greatly improving production efficiency.

高位离线码垛系统（免托盘） Clamp Cubing System



低位离线码垛系统 Push Cubing System



二次加工成套设备 Secondary Processing Machinery

水磨系统 Water Washing and Grinding System

水磨系统主要由自动拆垛装置、水磨装置、自动码垛装置以及托盘和砖垛输送装置组成，实现全自动运行。通过水洗磨处理后，砖的表面可达到光面效果，并具有高强度、抗寒、耐风化，适用于人行步道、广场、市政道路、小区等建设。

The water washing and grinding system is mainly composed of automatic depalletizing device, water grinding device, automatic stacking device and pallet and brick stack conveying device, which realizes full automatic operation. After water washing and grinding, the surface of the brick can be smoothly, and has high strength, cold resistance and weathering resistance, which is suitable for the construction of pedestrian walkways, squares, municipal roads, communities, etc.



抛丸系统 Shot Blasting System

抛丸系统主要由自动拆垛装置、抛丸装置、自动码垛装置以及托盘和砖垛输送装置组成，实现全自动运行。通过抛丸处理后，砖的表面粗糙，摩擦系数变大，防滑性能高，立体感强，适用于人行步道、广场、市政道路、小区等建设。

The shot blasting system is mainly composed of automatic depalletizing device, shot blasting device, automatic stacking device and pallet and brick stack conveying device, which realizes full automatic operation. After shot blasting, the surface of the brick is rough, the friction coefficient becomes larger, the anti-slip performance is high, and the three-dimensional sense is strong. It is suitable for the construction of pedestrian walkways, squares, municipal roads, communities, etc.



全自动双向静压砖机 Automatic Bidirectional Hydraulic Press Machine

双向加压液压压机的特点

The Characteristics Of Bidirectional Hydraulic Press Machine



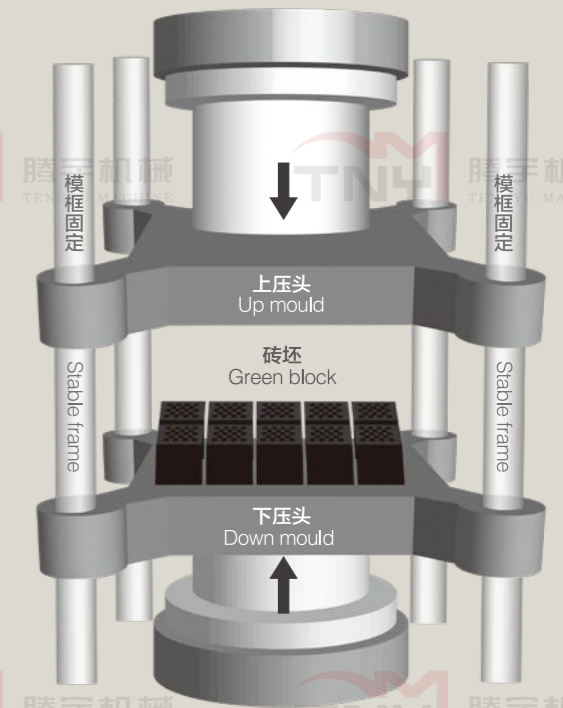
双向液压砖机采用五梁四柱结构，即中间模框固定在立柱中间，上下活动梁分别与上、下主油缸固定，液压砖机通过固定在上、下梁内的主油缸来驱动上、下活动梁对砖坯进行双向分级加压。

双向液压砖机的施压方式遵循了“一轻、二稳、三重”的双向三次加压的施压方式，每个施压过程都做短暂的停留，最大程度地排除物料内的空气，确保砖坯的密实度，提高砖坯的成品率。

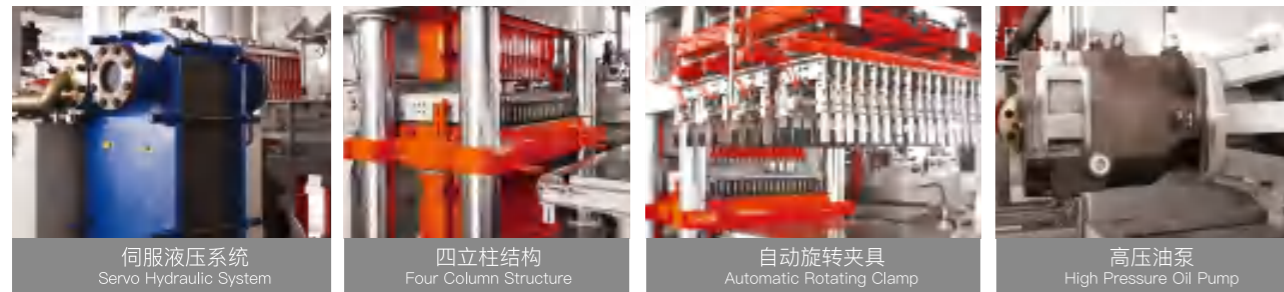
上下活动梁均经精密加工，四根立柱作为导向杆，从根本上解决了上、下活动梁的导向不稳的问题，不但提高运行速度，且主油缸的密封性能得到很大的改善，油缸不易损坏和泄漏，提高设备的可靠性。

Bidirectional hydraulic press machine adopts special structure called five beam four column structure. That is the mould box is fixed in the middle of columns. Up and lower walking beams are fixed on the upper and lower main oil cylinder respectively. The oil cylinder drives the walking beams to press the green block from two sides.

Using three times pressure mode: first light press, second steady press and third strong press. Walking beams stays for a short time in every press. So that air inside the material can be maximize push out. This can ensure the green block compactness meet the requirement and improve finish product yield.



系列固废/尾矿/尾粉综合利用成套设备
Series of Solid Waste/Tail Powder Comprehensive Utilization Equipment



伺服液压系统
Servo Hydraulic System

四立柱结构
Four Column Structure

自动旋转夹具
Automatic Rotating Clamp

高压油泵
High Pressure Oil Pump

- 1、压机采用坚固的四立柱结构，上下梁由两个相同直径的主油缸驱动，真正实现双向加压，制品密实均质，强度高。
- 2、采用液压分级加压，多次自动排气技术，解决制品分层微裂难题。
- 3、采用强制破拱搅拌布料机构，布料更均匀，夹具采用柔性薄膜夹砖技术，制品成品率高。
- 4、可实现旋转交错全新码砖方式，节约人工，更安全。
- 5、液压系统采用美国派克高压泵及液压比例控制技术，使整机运行更柔和，更可靠。
- 6、采用西门子可编程控制系统，实现不同工艺要求的物料高质高效成型，适应性广。

- 1、Four stand column structure, two same diameter oil cylinders drive the up and bottom girders, bidirectional pressure, to insure products with best compactness, With high strength
- 2、Hydraulic classification pressurized, multiple automatic exhaust technology can solve the problem of products hierarchic or micro crack.
- 3、The forced material mixing and feeding device is adopted, the material distribution is more uniform. The clamp adopts flexible film brick clamping technology, the product yield rate is high.
- 4、Rotating crisscross stacking can save labor cost and more safer.
- 5、USA Parker high-pressure pump, hydraulic proportional control insure machine run more steady.
- 6、Siemens programmable control system for different material and technological requirement.



真双向、非模拟

Bidirectional, Non-simulated

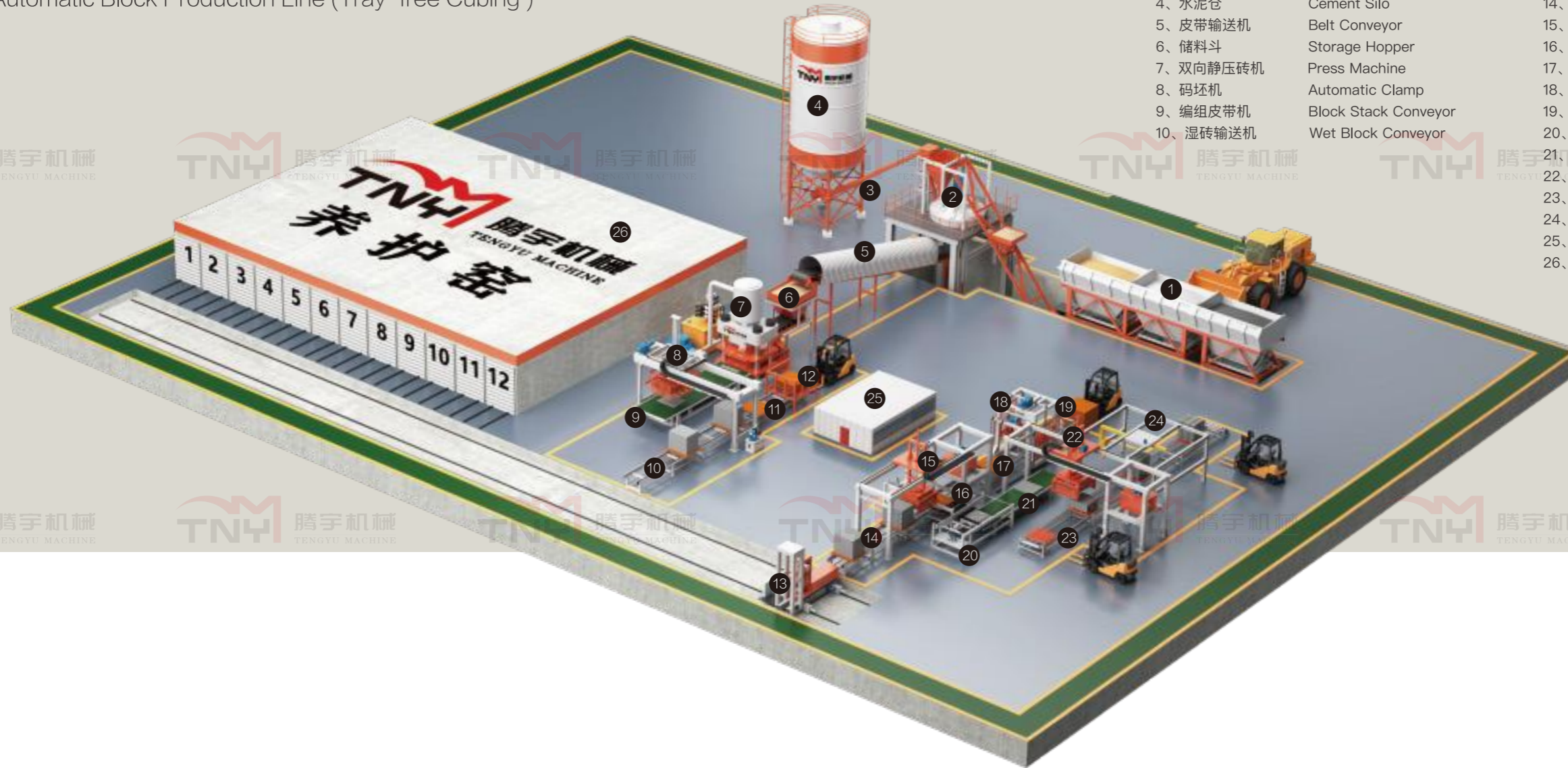
粉状固废添加量最高 90%

Powdered solid waste added more than 90%

全自动双向静压砖机生产线 (免托盘码垛)

Fully Automatic Block Production Line (Tray-free Cubing)

- | | | | |
|-----------|----------------------|-----------|----------------------------|
| 1、配料机 | Batching Machine | 11、托盘输送机 | Tray Conveyor |
| 2、立轴行星搅拌机 | Planetary Mixer | 12、托盘释放机 | Tray Sending Device |
| 3、螺旋输送机 | Screw Conveyor | 13、子母窑车 | Finger Cart |
| 4、水泥仓 | Cement Silo | 14、干砖输送机 | Dry Block Conveyor |
| 5、皮带输送机 | Belt Conveyor | 15、拆坯机 | Automatic Clamp |
| 6、储料斗 | Storage Hopper | 16、推块机1 | Block Pusher 1 |
| 7、双向静压砖机 | Press Machine | 17、链式输送机 | Chain Conveyor |
| 8、码坯机 | Automatic Clamp | 18、托盘码垛机 | Tray Collector |
| 9、编组皮带机 | Block Stack Conveyor | 19、托盘输送机 | Tray Conveyor |
| 10、湿砖输送机 | Wet Block Conveyor | 20、推块机2 | Block Pusher 2 |
| | | 21、编组皮带机 | Block Stack Conveyor |
| | | 22、码垛机 | Automatic Cuber |
| | | 23、送垛机 | Stack Conveyor |
| | | 24、旋转打包机 | Packing Machine |
| | | 25、集中控制系统 | Centralized Control System |
| | | 26、养护窑 | Curing Room |



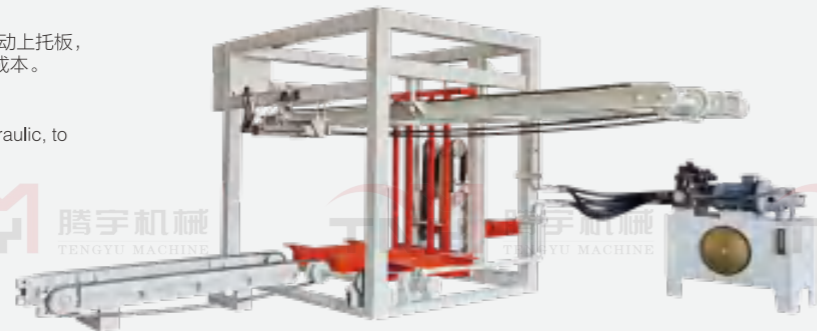
系列固废/尾矿/尾粉综合利用成套设备
Series of Solid Waste/Tail Powder Comprehensive Utilization Equipment



自动上板机 Pallet Loader

采用 PLC 智能控制，全液压传动，可以实现自动上托板，减轻了工人的劳动强度，提高生产效率，降低生产成本。

PLC control, feed the pallet automatically by hydraulic, to save labour intensity and reduce the cost.



双排变频码板机 Stacker

本产品一经推出深受用户好评，不仅结构紧凑，构思巧妙，经济实惠，大大节约了投资成本，降低了工人的劳动强度。

- 1、采用变频控制技术，优化了流程，提高了设备运行的稳定性和安全性。
- 2、配置灵活，可以满足用户不同场地和生产能力的使用。
- 3、设备结构简明可靠，便于维修保养。

This machine is well-regarded by users, which can save the investment cost, and reduce the labour intensity

- 1、 Frequency conversion control ,optimization of the process, improve the equipment operation stability and safety.
- 2、 Flexible configuration, meet satisfy the users requirements at different site and production capacity.
- 3、 Simple structure and reliable, convenient to repair and maintenance.



自动上板系统（配自动线） Automatic Pallet Loading System

自动上板系统主要应用于全自动生产线，在全自动线调试生产时自动将托板上到送板装置，或将自动线返回的托板自动码垛送出，实现全自动生产线的智能化、人性化。

The automatic pallet loading system is mainly used in fully automatic production lines. It automatically loads the pallets to the pallet feeding device, or automatically stacks the pallets and sends the pallets returned by the automatic line, realizing the intelligence and humanization of the fully automatic production line.

功率：5.5KW
Power: 5.5KW



配料机 Batching Machine

PL 系列混凝土配料机是一种与搅拌机配套使用的全自动配料机，它可根据用户设计的混凝土配比要求自动完成砂、石、水泥等物料的配料程序。该设备均有储料斗、称量系统、供料系统、电控系统等部分组成，具有称量准确、配料精度高、速度快、控制功能强、操作容易等优点。

PL batching machine is an automatic batching equipment working with mixer. It can automatically complete sand, stone, cement and other species ingredients procedures according to design of concrete requirements of users. This equipment is composed of aggregate silo, weighing system, feeding system, control system and other components, its advantages are exact weighing, high precision of batching, speedy, strong controlling, easy operation.

主要技术参数 | Main Technical Parameters

型号 Type	PL800	PL1200	PL1600
称量斗容积 Scale hopper volume	800L	1200L	1600L
储料仓容积 Store hopper volume	1500Lx2	2500Lx3	3000Lx4
生产率 Productivity	48m³/h	56m³/h	75m³/h
配比精度 Batching precision	±1%	±1%	±1%
材料 Materials	2	3	4
载重量 Load height	2400mm	3000mm	3000mm
皮带速度 Belt speed	1m/s	1m/s	1m/s
功率 Power	3x2.2=6.6kw	3x4=12kw	3x4+1x5.5=17.5kw

双卧轴强制式搅拌机 Twin Shafts Compulsive Mixer

JS 系列混凝土搅拌机系双卧轴强制式搅拌机。该机具备了单机独立作业和与 PL 系列配料机组成简易式混凝土搅拌站的双重优越性，还可为搅拌站提供配套主机，可搅拌干硬性混凝土、塑性混凝土、流动性混凝土、轻骨料混凝土及各种砂浆，是一种高效率机型，应用非常广泛。

JS series mixer is twin horizontal shaft compulsory mixer. It has the advantages not only work solely but also work with batching machine as a mixing station. And can be the main machine of concrete mixing station. This series of mixer not only can mix dry concrete, wet concrete, but also can mix flowability concrete light concrete and mortars. It is a model of high efficiency and used widely.

主要技术参数 | Main Technical Parameters

型号 Type	JS500	JS750	JS1000
输出体积 Output Volume	500L	750L	1000L
输入容积 Input Volume	800L	1200L	1600L
生产率 Productivity	≥25m³/h	≥37.5m³/h	≥50m³/h
骨料最大直径 Aggregate Max diameter	80/60mm	80/60mm	80/60mm
电机最大功率 Mixing Motor Power	18.5kw	30kw	37kw
卷扬电机功率 Winlass Motor Power	5.5kw	7.5kw	11kw
水泵功率 Water Pump Power	1.1kw	1.5kw	3kw
升降斗速度 Skip Hopper upgrade speed	18m/min	18m/min	21.9m/min
卸载高度 Unloading height	1500mm	1600mm	2700/3800mm

立轴行星式搅拌机 Planetary Mixer

整机传动平稳、搅拌效率高、搅拌匀质性高（无死角搅拌）、独特的密封装置不存在漏浆漏料问题、耐用性强、内部清理干净方便、检修空间大。

The whole machine has smooth transmission, high mixing efficiency, high homogeneity of stirring (no dead angle stirring), unique sealing device has no problem of leakage of slurry, strong durability, clean and convenient internal cleaning, and large maintenance space.

主要技术参数 | Main Technical Parameters

型号 / 项目 Item/Model	CMP330	CMP500	CMP750	CMP1000	CMP1500
出料容积 Output Capacity (L)	330	500	750	1000	1500
进料容积 Input Capacity (L)	500	750	1125	1500	2250
出料重量 Discharging Weight (KG)	800	1200	1800	2400	3600
搅拌功率 Mixing Power (KW)	15	18.5	30	37	55
行星 / 主搅拌数 Planetary/blade	1/2	1/2	2/4	1/2	2/4
侧挂板 Side scraper	1	1	1	1	1
卸料刮板 Discharging paddle	1	1	1	1	1
搅拌机重量 Weight (L)	2000	2400	3900	6200	7700
提升斗功率 Lift Power (L)	4	4	7.5	11	15
主机外形尺寸 Dimension (MM)	1870*1870*1855	2230*2080*1880	2580*2340*2190	2890*2600*2220	3230*2300*2470

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高瞻远瞩

BORN IN TIME FOLLOW THE

TREND

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全自动集中控制系统 Intelligent Automatic Control System



- 1、采用世界先进的西门子系列PLC自动控制平台，通过平台控制技术输出使设备运行平顺，提升设备使用寿命。
- 2、人机交互系统，控制信号可视化，提高了操作的便捷性。
- 3、精准的伺服控制系统，通过信号反馈控制振动频率和执行元件，实现高效运行，缩短成型周期。

1. Adopting the world's advanced Siemens series PLC automatic control platform, the platform control technology output makes the equipment run smoothly and improves the service life of the equipment.
2. HMI system, control signal visualization, improves the convenience of operation.
3. Accurate servo control system, through signal feedback control vibration frequency and actuators, to achieve efficient operation and shorten the molding cycle.



远程监控服务系统 Remote Monitoring Control System



远程诊断 / 维护——智慧云服务平台

腾宇智慧云服务平台是基于云技术、移动互联网+技术、数据协议通讯技术基础上，结合腾宇远程诊断及维护系统形成的智能服务平台。该平台结合大数据技术可实现对用户设备数据进行采集、分析，实时在线监测、远程故障预测与诊断、远程系统升级、装备运行状态评价、生成评价报告等功能。

1. 通过以太网、5G 通讯等技术联网，实现远程控制操作，方便系统诊断和设备维护；
2. 通过云服务平台，工程师可以迅速判断出故障来源，及时指导或者协助客户解决问题，大大缩短维修时间。
3. 整理分析根据客户使用习惯，对客户操作提出合理建议。

Remote Diagnosis/Maintenance – Smart Cloud Service Platform

Tengyu smart cloud service platform is an intelligent service platform based on cloud technology, mobile Internet + technology, data protocol communication technology, combined with Tengyu remote diagnosis and maintenance system. Combined with big data technology, the service platform can realize functions such as collection and analysis of user equipment data, real-time online monitoring, remote fault prediction and diagnosis, remote system upgrade, equipment operation status evaluation, and evaluation report generation.

1. Through the networking of Ethernet, 5G communication and other technologies, remote control operations are realized, which is convenient for system diagnosis and equipment maintenance;
2. Through the cloud service platform, engineers can quickly determine the source of the fault, guide or assist customers in solving problems in a timely manner, and greatly shorten the maintenance time.
3. Sort out and analyze According to the customer's usage habits, put forward reasonable suggestions on the customer's operation.

建筑垃圾等固体废弃物的综合利用

Comprehensive Utilization of Construction Waste



建筑垃圾资源再利用

Construction Waste Resource Reuse



随着我国基础设施建设的日益加强，城市新陈代谢的速度也日益加快。大量旧建筑被拆除，让位于更宏伟、更美丽的建筑。同时产生大量建筑垃圾，成为阻碍城市发展的代谢产物。当前我国建筑垃圾体量大，而天然砂石资源短缺以及价格不断上涨，建筑垃圾资源化利用成为新的投资热点，国家相关部门近年来纷纷出台政策，鼓励建筑垃圾循环再利用。

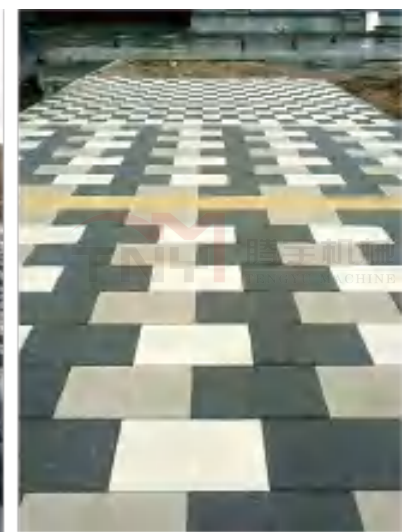
在建筑垃圾等固体废弃物综合利用方面，腾宇公司进行深化研究，现可提供成套建筑垃圾处置设备，将建筑垃圾变为再生骨料，并将再生骨料制成再生砖、砌块、地砖、生态透水砖等建材制品。形成环保与城市发展需求相匹配的建筑垃圾处理体系。让我们共同打造以无废城市为基础、以绿色循环产业为保障、以驱动城市更新和健康发展为主线的可持续发展模式。

相信在我们共同努力下，绿水青山就是金山银山将不再是梦想，而是我们的美好家园。

As China's infrastructure construction is increasingly strengthened, the rate of urban metabolism is also accelerating. A large number of old buildings were demolished, giving way to more grand and beautiful buildings. At the same time, a large amount of construction waste is generated, which becomes a metabolite that hinders urban development. At present, China has a large volume of construction waste, and the shortage of natural sand and gravel resources and rising prices have made construction waste resource utilization a new investment hotspot. Related national departments have issued policies in recent years to encourage recycling and reuse of construction waste.

In the comprehensive utilization of solid waste such as construction waste, Tengyu has carried out in-depth research. Now it can provide complete sets of construction waste disposal equipment to turn construction waste into recycled aggregate and make recycled aggregate into recycled bricks, blocks and floor tiles, Ecological permeable bricks and other building materials. Form a construction waste disposal system that matches environmental protection and urban development needs. Let us jointly build a sustainable development model based on non-waste cities, guaranteed by a green recycling industry, and driven by urban renewal and healthy development.

We believe that with our joint efforts, green mountains and green mountains will no longer be a dream but a beautiful home for us.



尾粉、尾砂、尾泥等粉料固体废弃物综合利用

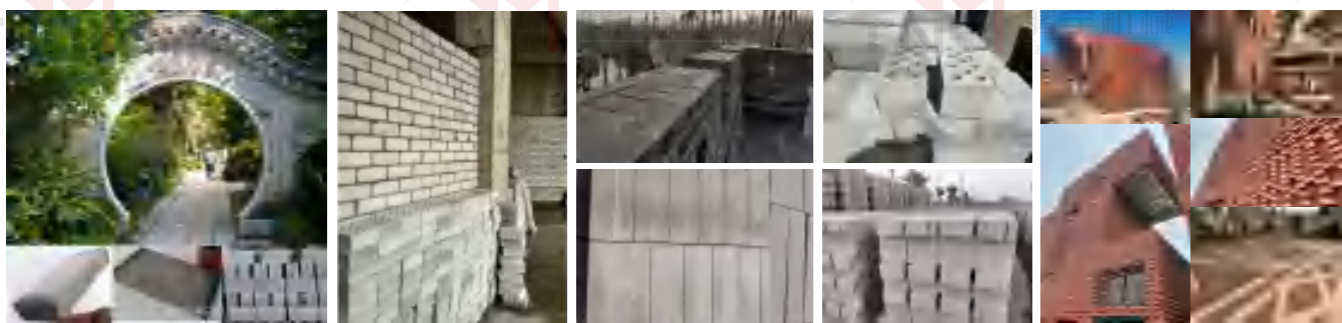
Comprehensive Utilization of Construction Powder Materials Waste



砖块生产成型



砖块成品



开展资源综合利用是我国深入实施可持续发展战略的重要内容。大宗固废量大面广、环境影响突出、利用前景广阔，是资源综合利用的核心领域。推进大宗固废综合利用对提高资源利用效率、改善环境质量、促进经济社会发展全面绿色转型具有重要意义。深入贯彻党的十九大和十九届二中、三中、四中、五中全会精神，坚定不移贯彻新发展理念，以全面提高资源利用效率为目标，以推动资源综合利用产业绿色发展为核心，加强系统治理，创新利用模式，实施专项行动，出台相关政策，促进大宗固废实现绿色、高效、高质、高值、规模化利用，提高大宗固废综合利用水平，助力生态文明建设，为经济社会高质量发展提供有力支撑。

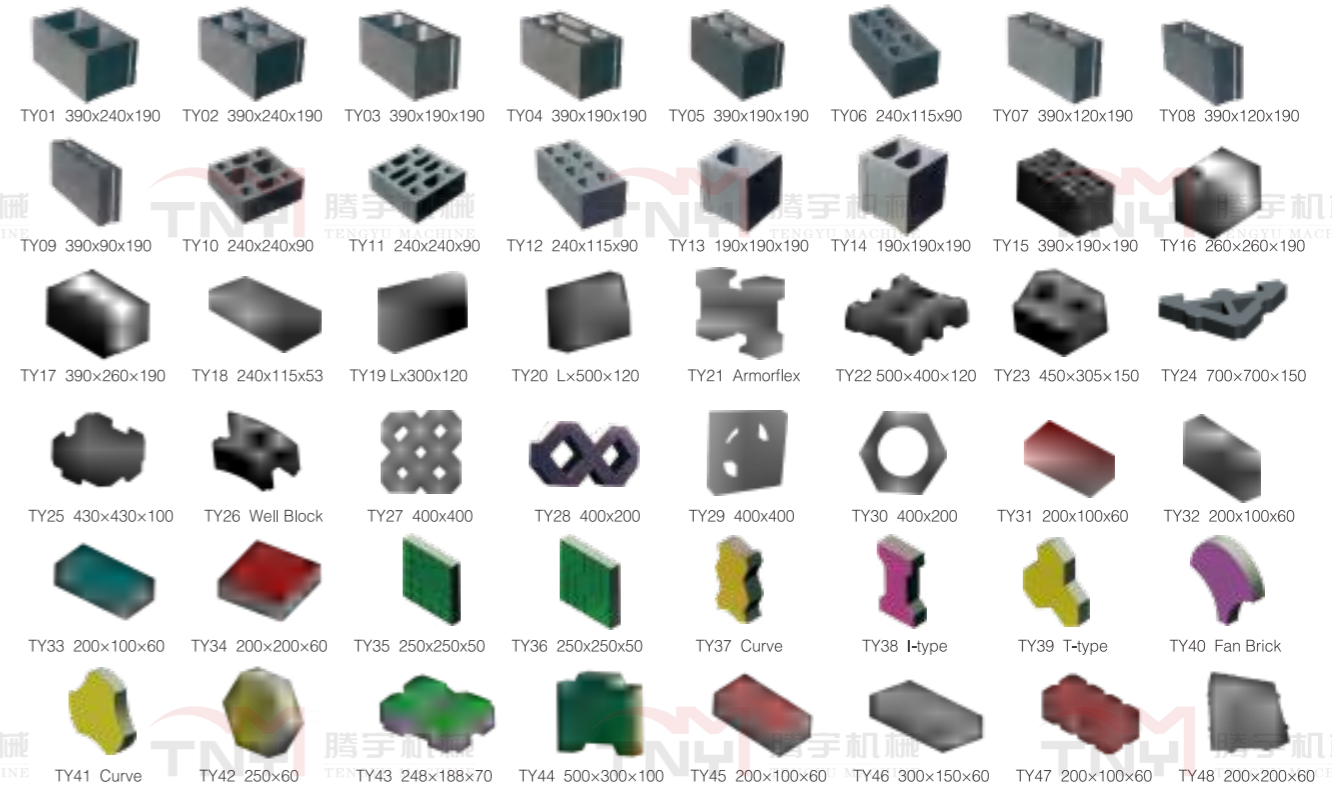
在尾粉、尾砂、尾泥等固废综合利用方面，腾宇公司进行深化研究的同时可为客户提供相关成套装备与技术，充分利用各种固废并制作成各种高强度再生建材。一方面为客户解决固废无法处理的后顾之忧，另一方面也为客户带来可观的经济效益。

Comprehensive utilization of resources is an important part of in-depth implementation of sustainable development strategies. Bulk solid waste is a core area of it, with a large amount of solid waste, prominent environmental impact and broad utilization prospects. Promoting the comprehensive utilization of bulk solid waste is of great significance to improving resource utilization efficiency, improving environmental quality, and promoting a comprehensive green transformation of economic and social development. Thoroughly implement the spirit of the 19th National Congress of the Communist Party of China and the Second, Third, Fourth, and Fifth Plenary Sessions of the 19th Central Committee, unwaveringly implement the new development concept, and aim to comprehensively improve the efficiency of resource utilization and promote the green development of comprehensive resource utilization industries. The core is to strengthen system governance, innovate utilization models, implement special actions, and introduce relevant policies to promote the green, efficient, high-quality, high-value, and large-scale utilization of bulk solid waste, improve the comprehensive utilization level of bulk solid waste, and contribute to the construction of ecological civilization. Provide strong support for high-quality economic and social development.

In terms of comprehensive utilization of solid waste such as tailing powder, tailing sand and tailing mud, TNY can provide customers with relevant complete sets of equipment and technologies while conducting in-depth research, making full use of various solid wastes and making various high-strength recycled building materials. On the one hand, it solves the worries of customers that solid waste cannot be processed, and on the other hand, it also brings considerable economic benefits to customers.

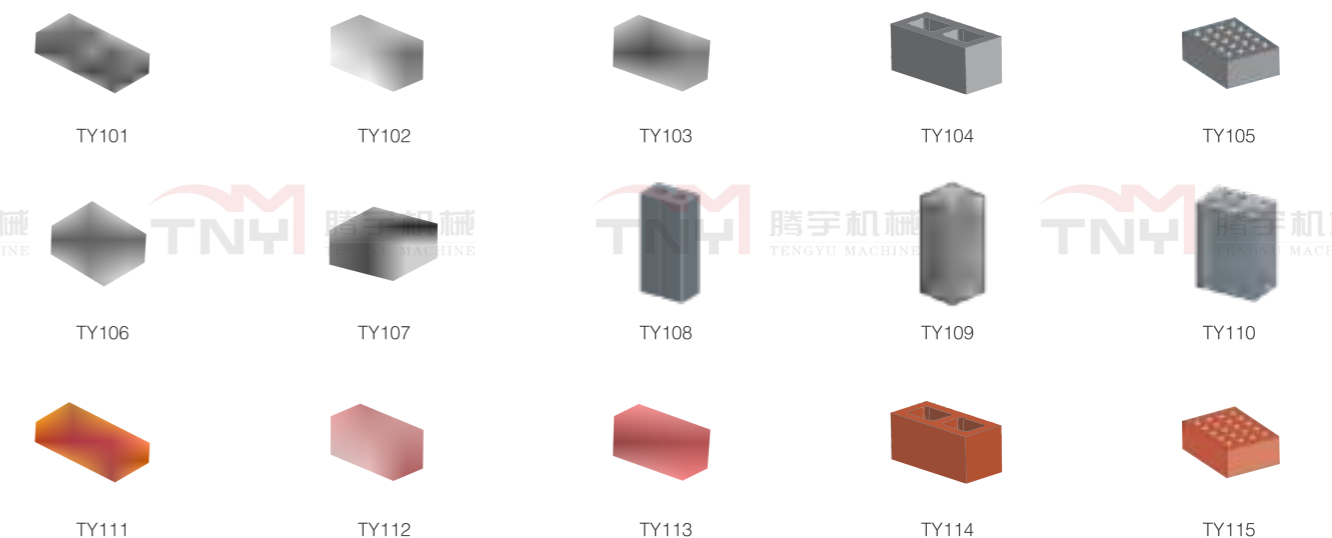
混凝土砌块 / 地砖 / 透水砖 砖型图

Concrete Block & Colour Paver Sample



蒸压粉煤灰砖 / 灰砂砖 砖型图

Autoclaved Lime-sand / Fly-ash Brick





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浩瀚星辰 大有可为

VAST STARS HAVE GREAT

POTENTIAL

砌块机理论产量表 Theoretical Capacity of Block Machine

砖型 Block Type	理论产量 Theoretical Capacity	设备型号 Machine Model			
		TNY1800	TNY1500	TNY1200	TNY900
 空心砌块 Hollow Block 390×190×190mm	块/板 pc/pallet	18	15	12	9
	设计小时产量 (1h/块) pc/hour	4320	3600	2880	2160
	设计班产量 (8h/块) pc/8 hours	34560	28800	23040	17280
 实心标砖 Solid Brick 240×115×53mm	块/板 pc/pallet	110	90	70	55
	设计小时产量 (1h/块) pc/hour	26400	21600	18480	14520
	设计班产量 (8h/块) pc/8 hours	211200	172800	147840	116160
 多孔砖 Porous Brick 240×115×90mm	块/板 pc/pallet	50	45	35	25
	设计小时产量 (1h/块) pc/hour	12000	10800	9240	6600
	设计班产量 (8h/块) pc/8 hours	96000	86400	73920	52800
 荷兰砖 Dutch Brick 200×100×60mm	块/板 pc/pallet	72	60	48	36
	设计小时产量 (1h/块) pc/hour	12960	10800	9504	7128
	设计班产量 (8h/块) pc/8 hours	103680	86400	76032	57024
 曲波砖 S Brick 225×112.5×60mm	块/板 pc/pallet	50	45	35	25
	设计小时产量 (1h/块) pc/hour	9000	8100	6930	4950
	设计班产量 (8h/块) pc/8 hours	72000	64800	55440	39600
 地面砖 Grand Brick 300×150×60mm	块/板 pc/pallet	32	28	20	16
	设计小时产量 (1h/块) pc/hour	5760	5040	3960	3168
	设计班产量 (8h/块) pc/8 hours	46080	40320	31680	25344
 双八字砖 Parking Brick 400×400×60mm	块/板 pc/pallet	9	6	6	3
	设计小时产量 (1h/块) pc/hour	1620	1080	1188	594
	设计班产量 (8h/块) pc/8 hours	12960	8640	9504	4752
 透水砖 Water Permeable Brick 500×250×60mm	块/板 pc/pallet	12	10	6	5
	设计小时产量 (1h/块) pc/hour	2160	1800	1188	594
	设计班产量 (8h/块) pc/8 hours	17280	14400	9504	4752



砌块机理论产量表 Theoretical Capacity of Block Machine

砖型 Block Type	理论产量 Theoretical Capacity	设备型号 Machine Model			
		Q(F)T10-15	Q(F)T8-15	Q(F)T6-15	QT4-15
 空心砌块 Hollow Block 390×190×190mm	块/板 pc/pallet	10	7.5	6	4
	设计小时产量 (1h/块) pc/hour	2400	1800	1440	960
	设计班产量 (8h/块) pc/8 hours	19200	14400	11520	7680
 实心标砖 Solid Brick 240×115×53mm	块/板 pc/pallet	56	55	36	24
	设计小时产量 (1h/块) pc/hour	14754	13200	10800	7200
	设计班产量 (8h/块) pc/8 hours	118272	105600	96400	57600
 多孔砖 Porous Brick 240×115×90mm	块/板 pc/pallet	28	20	18	12
	设计小时产量 (1h/块) pc/hour	7392	6000	5400	3600
	设计班产量 (8h/块) pc/8 hours	59136	48000	43200	28800
 荷兰砖 Dutch Brick 200×100×60mm	块/板 pc/pallet	40	30	21	14
	设计小时产量 (1h/块) pc/hour	7920	5940	4158	2772
	设计班产量 (8h/块) pc/8 hours	63360	47520	33264	22176
 曲波砖 S Brick 225×112.5×60mm	块/板 pc/pallet	28	20	18	12
	设计小时产量 (1h/块) pc/hour	5544	3960	3564	2376
	设计班产量 (8h/块) pc/8 hours	44352	31680	28512	19008
 地面砖 Grand Brick 300×150×60mm	块/板 pc/pallet	15	12	10	5
	设计小时产量 (1h/块) pc/hour	2970	2376	1980	1188
	设计班产量 (8h/块) pc/8 hours	23760	19008	15840	9504
 双八字砖 Parking Brick 400×400×60mm	块/板 pc/pallet	4	2	2	2
	设计小时产量 (1h/块) pc/hour	792	396	396	396
	设计班产量 (8h/块) pc/8 hours	6336	3168	3168	3168
 透水砖 Water Permeable Brick 500×250×60mm	块/板 pc/pallet	6	4	3	3
	设计小时产量 (1h/块) pc/hour	1188	792	594	574
	设计班产量 (8h/块) pc/8 hours	9504	6336	4752	4752

双向静压砖机技术参数表 Technical Parameter of Bidirectional Press Machine

技术参数 Technical Parameter		设备型号 Machine Model			
		TY400	TY800	TY1100	TY1300
公称压力 /KN	Nominal Pressure	4000	8000	11000	13000
填料深度 /mm	Raw Material Max Height in Mold Box	260	260	260	260
模具开口尺寸 /mm	Molding Area	556×820	856×820	1221×820	1367×820
成型周期 /S	Cycle Time	12-18	12-18	12-18	12-18
排气次数	Exhaust Time	3	3	3	3
主机功率 /kw	Power	66	95	120	150
主机外形尺寸 /mm	Machine Outline Size	6000×1600×4600	7500×2550×5400	8000×2650×6500	8500×2750×7500
设备重量 /T	Weight	25	43	68	82

双向静压砖机理论产量表 Theoretical Capacity of Bidirectional Press Machine

砖型 Block Type	产量 Output	设备型号 Machine Model			
		TY400	TY800	TY1100	TY1300
 实心标砖 Solid Brick 240×115×53mm	成型块数 pc/mold	24	36	51	60
	设计小时产量 pc/hour	5520	8280	11730	13800
 多孔砖 Porous Brick 240×115×115mm	成型块数 pc/mold	12	18	27	30
	设计小时产量 pc/hour	2400	3600	5400	6000
 多孔砖 Porous Brick 240×190×90mm	成型块数 pc/mold	6	12	15	18
	设计小时产量 pc/hour	1200	2400	3000	3600
 多孔砖 Porous Brick 190×190×90mm	成型块数 pc/mold	6	12	15	18
	设计小时产量 pc/hour	1200	2400	3000	3600



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