Dezhou Haitian

做客户信任的企业

A BUSINESS THAT EARNS CLIENT TRUST

Dezhou Haitian

Electromechanical Technology Co., Ltd

德州海天机电科技有限公司

自1997年专注混凝土预制成型智能装备研发制造

Focus on R&D and manufacturing the concrete prefabricated intelligent equipment since 1997

OFFICIAL WEBSITE

WEBSITE 1

WEBSITE 2

CONTACT INFORMATION

BUSINESS CARD

WECHAT

WHATSAPP

WECHAT / WHATSAPP
+86 18678387305

TEL
+86-534-2106968

EMAIL
htmachinery@htjdkj.com

ZIP CODE
253000

ADDRESS
No.956 Hongdu Road,Economic Development Zone,Dezhou, Shandong, China

www.haitianmachine.cn
www.haitianprecastmold.com

海宇

Dezhou Haitian

Dezhou Haitian

FOUNDER PROFILE
创始人介绍



Mr.Yu Haibin
Founder & Chairman
于海滨先生 | 创始人兼董事长

Mr. Yu Haibin is the Founder and Chairman of Haitian, has dedicated his career to the precast concrete equipment and mould industry. Under his leadership, Haitian remains committed to technological innovation, rigorous quality control, and customer-oriented service, continuously strengthening its R&D, manufacturing, and service capabilities to deliver professional equipment and customized solutions to customers worldwide.

于海滨先生是海天创始人兼董事长，长期专注于预制混凝土装备及模具领域。在他的带领下，海天坚持技术创新、严格品控和客户至上，持续完善研发、制造与服务体系，为全球客户提供专业设备和定制化解决方案。

COMPANY OVERVIEW
公司概况

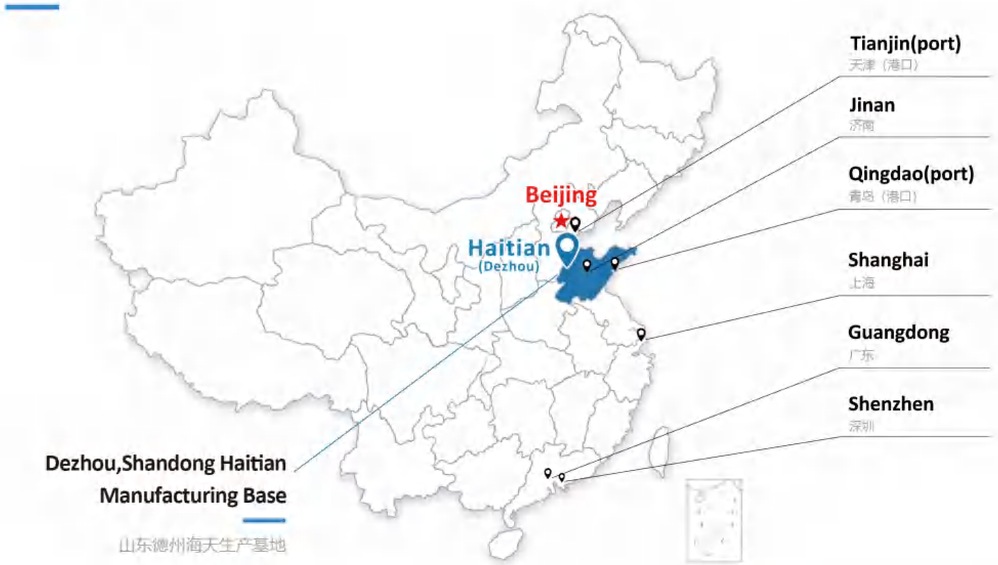
Founded in 1997, Dezhou Haitian Electromechanical Technology Co., Ltd. is a national high-tech enterprise specializing in smart precast concrete equipment. With a 36,000 m² base and 140+ national patents, Haitian led the editing of industry standards for battery molds. Powered by European technical collaboration and strict quality standards, Haitian offers a full range of precast production lines and specialized molds, delivering reliable turnkey solutions to clients in over 100 countries worldwide.

德州海天机电科技有限公司成立于1997年，是专注于混凝土预制成型智能装备研发与制造的国家级高新技术企业。公司拥有3.6万平方米智造基地与140余项国家专利，主编成组立模的行业标准。依托中欧技术合作与严格的欧洲质量标准，海天机电打造了涵盖各类成型生产线与预制模具的全系列产品矩阵，为全球100多个国家和地区提供高品质的“交钥匙”工程解决方案。

OUR QUALIFICATIONS
资质证书



HEADQUARTERS LOCATION
总部位置



品牌历程 BRAND MILESTONES

INNOVATION
QUALITY
SERVICE

Dezhou Haitian

BRAND MILESTONES
品牌历程

01 (1997 - 2005)
Precision & Roots
始于精准：深耕技术本源

1997
Founder **Mr. Yu Haibin** embedded rigorous technical and quality control into Haitian's core DNA.
创始人于海滨先生将技术管控和质量控制注入海天基因。

2005
The precast hollow-core forming machine gained widespread market recognition for its performance and stability.
"预制空心板成型机"在市场应用与技术稳定性上获得广泛认可。

Global Reach Countries **100+**

02 (2009 - 2013)
Global Vision & Standards
全球视野：中欧协同 标准立规

2009
Engaged **Italian Experts** to found the Smart Equipment R&D Center under a Sino-European platform.
聘请意大利专家团队，中欧联合研发体系，成立"智能装备研究中心"。

2010
Established the industry's first international trade team to initiate global services.
组建行业内首个国际贸易团队，开启全球服务。

2013
1.Led Editor of **National Standards** for **Precast Concrete Machinery**.
2.**Vice Chairman Unit** of **CCPA Precast Component Association**.
1.主编中国预制混凝土机械国家行业标准。
2.当选中国 CCPA 预制混凝土构件协会副理事长单位。

Product Specifications **200+**

03 (2017 - 2019)
Innovation & Breakthroughs
升级突破：创新型模式

2017
Undertook a national key R&D project under **China 13th Five-Year Plan**.
承接中国"十三五"国家重点研发计划项目。

2018
1.**Patented Slipformer Equipment** named a **National First Major Equipment Set**.
2.**Elected Vice Chairman Unit** of **CCPA Lightweight Aggregate Branch**.
3.Delivered the industry's first compact high-capacity PC line.
1.滑模机空心板设备获发明专利，并荣获"国家首台套成套装备"称号。
2.当选中国混凝土与水泥制品协会轻骨料及轻骨料混凝土分会副理事长单位。
3.首创集约式高产能 PC 生产线顺利交付。

2019
Provides the "PC & Prefab Superfactory" model, offering one-stop technical services from plant planning to mass production.
提供"PC+装配式建筑构件超级工厂"模式，从厂区规划到量产落地的全流程一站式技术服务。

Invention Patents **140+**

04 (2020 - Present)
Smart Future & Global Reach
智慧未来：国际认可

2020
1.Elected **Vice Chairman Unit** of **CCMA Concrete Products Machinery Branch**.
2.Recognized as a **National "Little Giant"** Enterprise by China's MIIT.
1.当选中国工程机械工业协会混凝土制品机械分会副理事长单位。
2.获评中国工信部专精特新"小巨人"企业称号。

2021 - 2025
Led Editor of **National Standards**: Equipment for **Prefabricated Concrete Slabs** (GB/T 45972-2025) & **Vibration Platforms for Precast Components** (GB/T 47397-2026).
主编国家标准《装配式建筑用混凝土板材生产成套装备技术要求》(GB/T 45972—2025) 及《预制混凝土构件振动成型平台》(GB/T 47397—2026)。

2026
Recognized as a Member in Good Standing by the **US National Precast Concrete Association (NPCA)**.
获评美国国家预制混凝土协会 (NPCA) 信誉良好会员。



Dezhou Haitian

目录 CONTENTS

INNOVATION
QUALITY
SERVICE

PRODUCTION LINE
生产线

01 Pallet Circulation Production Line 模台循环生产线

07 Light Weight Wall Panel Production Line 轻质墙板生产线

13 Prestressed Long Table Production Line 预应力长线台生产线

19 Slipformer Production Line 预应力空心板构件生产线

25 Customized Automatic Production Line 定制自动化生产线

MOLD
模具

31 Tilting Table 翻转模台

32 Long-line Mold Table 长线模台

33 Prestressed Concrete Columns (Posts / Pillars / Purlins) 预应力混凝土柱（支柱 / 立柱 / 檩条）

34 Box Culvert Mold 管廊模具

35 Battery Mold 成组立模

36 3D House Mold (PPVC, MIC) 房屋模具

37 Tilting Machine 翻转机

37 Self-Stressing System 自持预应力系统

38 Prestressed Beam Mold 预应力梁模具

38 Prestressed T-T Beam Mold 预应力双T板产线

38 Column Mold 柱模具

39 Slope Protection Mold 护坡模具

39 Bridge Beam Mold 桥梁模具

39 Concrete Wind Tower Mold 风电塔筒成型模具

40 Adjustable Stair Mold 可调楼梯模具

40 Fence Mold 围墙模具

40 Retaining Wall Mold 挡土墙模具

41 Manhole Mold 检查井模具

41 U-Shape Channel Mold 预制U形槽模具

41 Lego Block Mold 乐高模具

42 Curbstone Mold 路缘石模具

42 Pavement Slabs Mold 路面板模具

42 Barrier Mold 隔离墩模具

GLOBAL PROJECTS
全球项目案例

43 Global Projects 全球项目案例

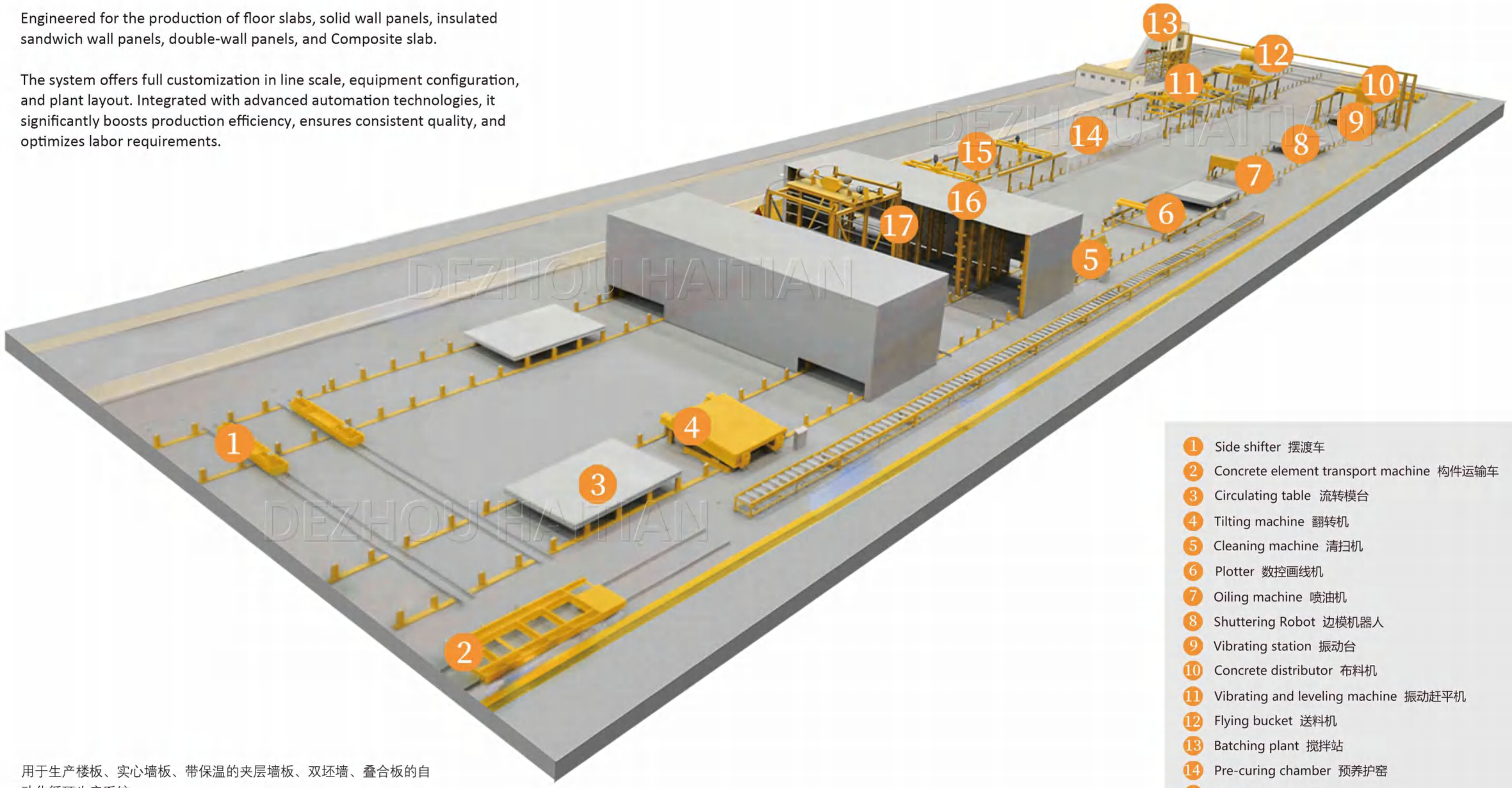


Pallet Circulation Production Line

模台循环生产线

Engineered for the production of floor slabs, solid wall panels, insulated sandwich wall panels, double-wall panels, and Composite slab.

The system offers full customization in line scale, equipment configuration, and plant layout. Integrated with advanced automation technologies, it significantly boosts production efficiency, ensures consistent quality, and optimizes labor requirements.



DEZHOU HAITIAN

1. Side shifter 摆渡车
2. Concrete element transport machine 构件运输车
3. Circulating table 流转模台
4. Tilting machine 翻转机
5. Cleaning machine 清扫机
6. Plotter 数控画线机
7. Oiling machine 喷油机
8. Shuttering Robot 边模机器人
9. Vibrating station 振动台
10. Concrete distributor 布料机
11. Vibrating and leveling machine 振动赶平机
12. Flying bucket 送料机
13. Batching plant 搅拌站
14. Pre-curing chamber 预养护窑
15. Heli-copter 抹光机
16. Curing chamber 养护窑
17. Stacker 码垛机

用于生产楼板、实心墙板、带保温的夹层墙板、双坯墙、叠合板的自动化循环生产系统。

可按需设计产线规模、设备配置、工厂布局。搭载各类自动化设备，有效提高生产效率，稳定产品质量，减少人员的配备。

Main Equipment
主要设备



Plotter
数控划线机



Shuttering Robot
边模机器人



Concrete distributor
混凝土布料机



Vibrating Station
振动台



Heli-copter
抹光机



Curing Chamber
养护窑



Tilting machine
翻转机



Side Shifter
摆渡车



Flying Bucket
送料机



Stacker
码垛机



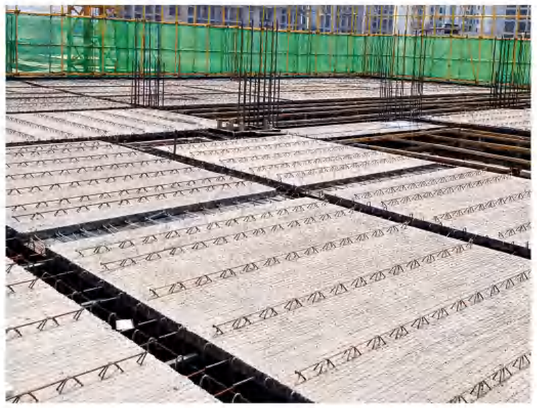
Production Line Display 产线展示





Precast Components Showcase 构件展示









Applications 应用



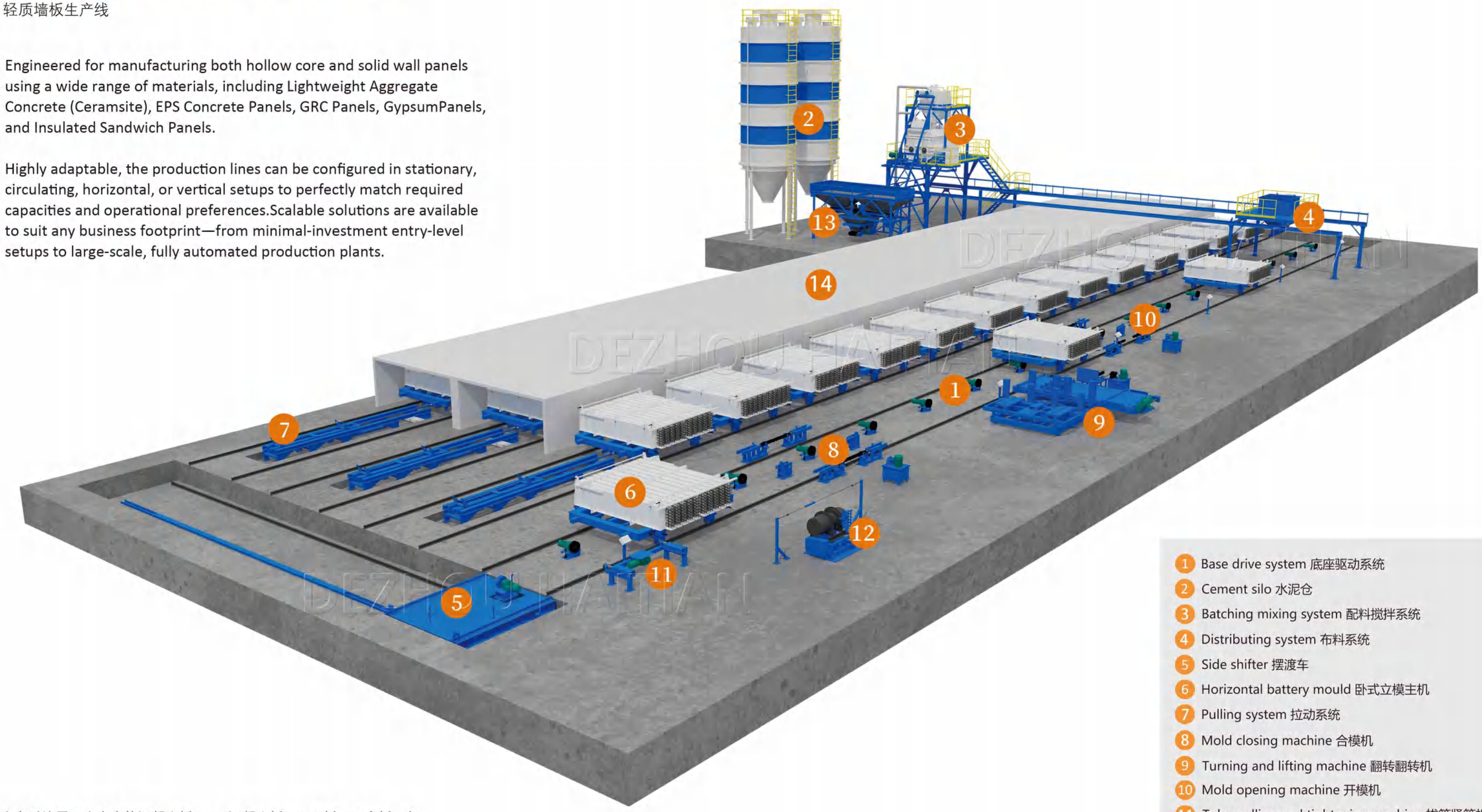


Light Weight Wall Panel Production Line

轻质墙板生产线

Engineered for manufacturing both hollow core and solid wall panels using a wide range of materials, including Lightweight Aggregate Concrete (Ceramsite), EPS Concrete Panels, GRC Panels, GypsumPanels, and Insulated Sandwich Panels.

Highly adaptable, the production lines can be configured in stationary, circulating, horizontal, or vertical setups to perfectly match required capacities and operational preferences.Scalable solutions are available to suit any business footprint—from minimal-investment entry-level setups to large-scale, fully automated production plants.



本生产系统用于生产陶粒混凝土板、EPS混凝土板、GRC板、石膏板、保温夹层板等各种材料的空心或实心墙板。

产线灵活多变，可按需设计为固定式、流转式、卧式、立式等各种规模和配置的生产系统。入门级极少投资或者大规模生产线都可实现。

1. Base drive system 底座驱动系统
2. Cement silo 水泥仓
3. Batching mixing system 配料搅拌系统
4. Distributing system 布料系统
5. Side shifter 摆渡车
6. Horizontal battery mould 卧式立模主机
7. Pulling system 拉动系统
8. Mold closing machine 合模机
9. Turning and lifting machine 翻转翻转机
10. Mold opening machine 开模机
11. Tube pulling and tightening machine 拔管紧管机
12. Tube pulling machine 拔管机
13. Batching machine 配料机
14. Curing chamber 养护窑

Main Equipment
主要设备



Horizontal Battery Mold
卧式主机



Vertical Battery Mold
立式主机



Batching Mixing System
配料搅拌系统



Concrete Distributor
混凝土布料机



Mold Closing Machine
合模机



Tube Pulling Machine
拔管机



Side Shifter
摆渡车



Turning and Lifting Machine
出板翻转机



Curing Chamber
养护窑



Base Drive System
底座驱动系统



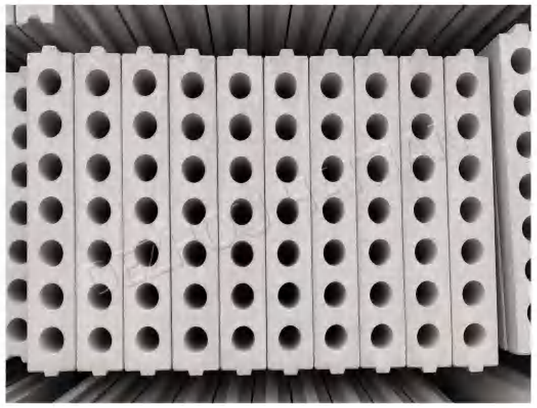
Production Line Display 产线展示





Precast Components Showcase 构件展示









Applications 应用





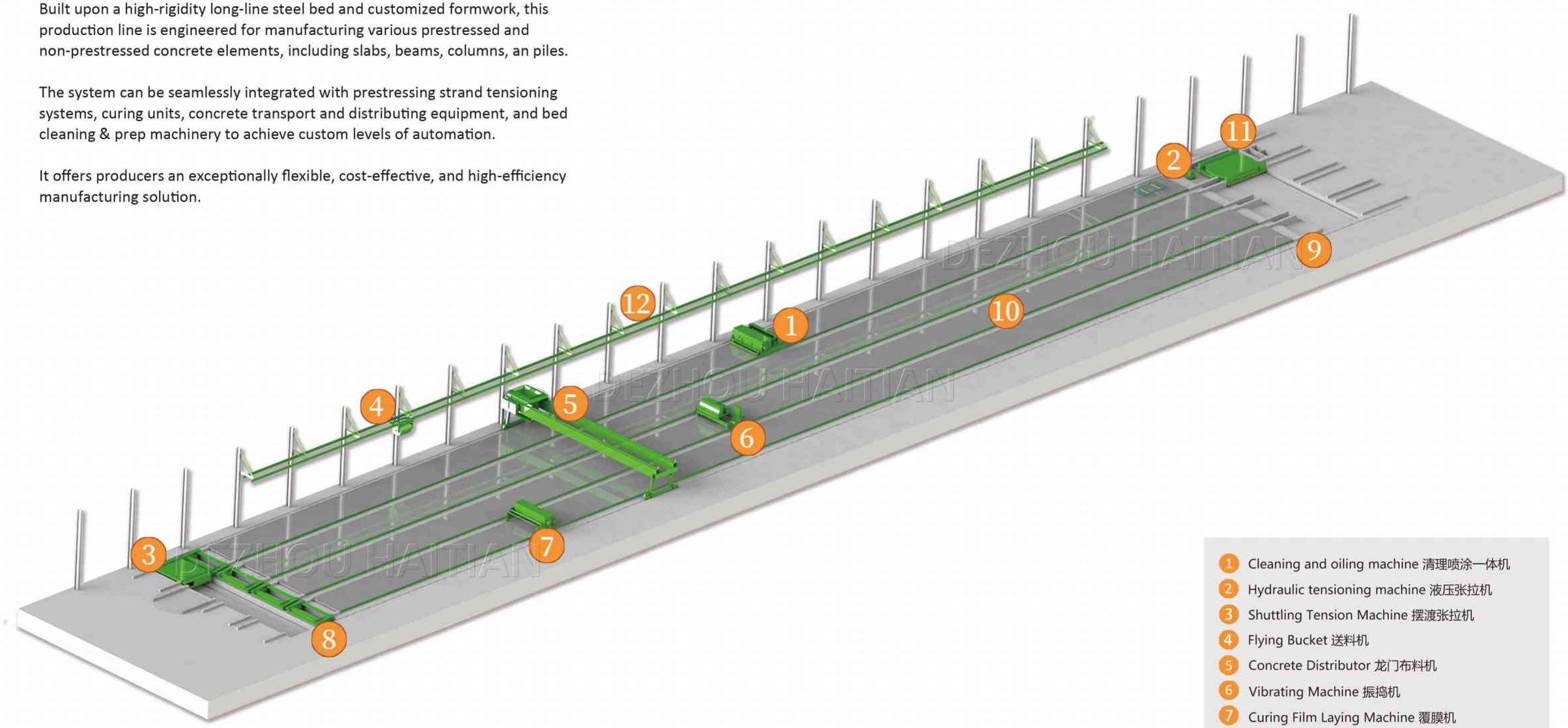
Prestressed Long Table Production Line

预应力长线台生产线

Built upon a high-rigidity long-line steel bed and customized formwork, this production line is engineered for manufacturing various prestressed and non-prestressed concrete elements, including slabs, beams, columns, an piles.

The system can be seamlessly integrated with prestressing strand tensioning systems, curing units, concrete transport and distributing equipment, and bed cleaning & prep machinery to achieve custom levels of automation.

It offers producers an exceptionally flexible, cost-effective, and high-efficiency manufacturing solution.



本生产线采用长线钢床为基础，搭配各类边模，用于生产板、梁、柱、桩等各类预应力或非预应力混凝土构件。

产线可配套预应力钢绞线系统、养护系统、混凝土输送及浇筑设备、平台整备设备等实现不同的自动化程度。为用户提供一个非常灵活、高效的生产模式。

1. Cleaning and oiling machine 清理喷涂一体机
2. Hydraulic tensioning machine 液压张拉机
3. Shuttling Tension Machine 摆渡张拉机
4. Flying Bucket 送料机
5. Concrete Distributor 龙门布料机
6. Vibrating Machine 振捣机
7. Curing Film Laying Machine 覆膜机
8. Synchronous Detensioning Machine 群体放张台座
9. Ground Anchorage Plate 地锚板
10. Long bed 长线模台
11. Rotary Side-shifter 回转摆渡车
12. Rail for flying bucket 送料机轨道

Main Equipment
主要设备



Stationary Long Bed
固定长线平台



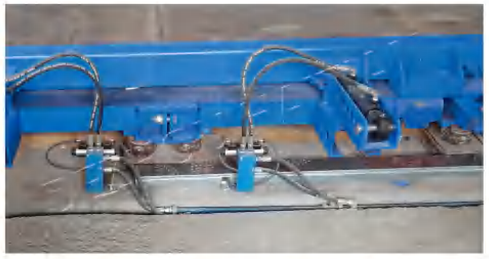
Flexiable Long Table
多功能长线平台



Concrete Distributor
混凝土布料机



Hydraulic Side Shutter
液压边模



Vibrating Machine
振捣机



Side Shifter
摆渡车



Curing Film Laying Machine
覆膜机



Prestressing Anchorage System
预应力锚固系统



Cleaning And Oiling Machine
清理喷涂一体机



Hydraulic Tensioning Machine
液压张拉机

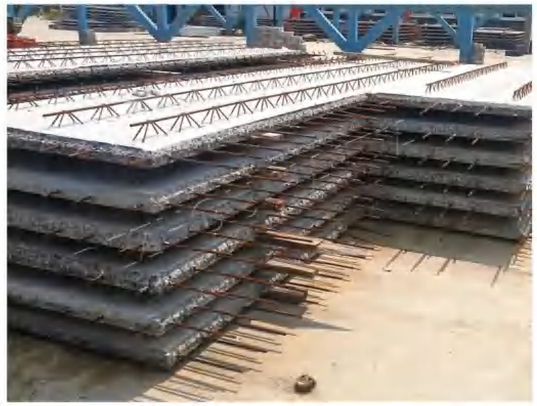


Production Line Display 产线展示





Precast Components Showcase 构件展示

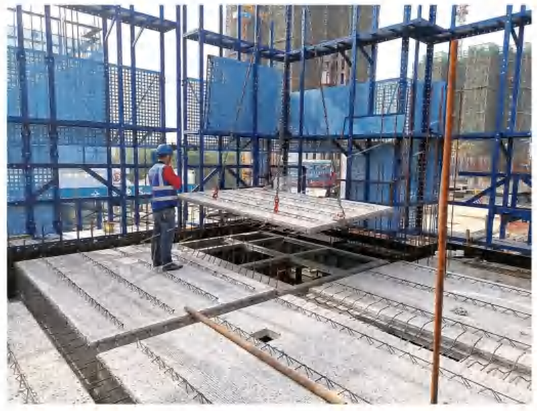








Applications 应用





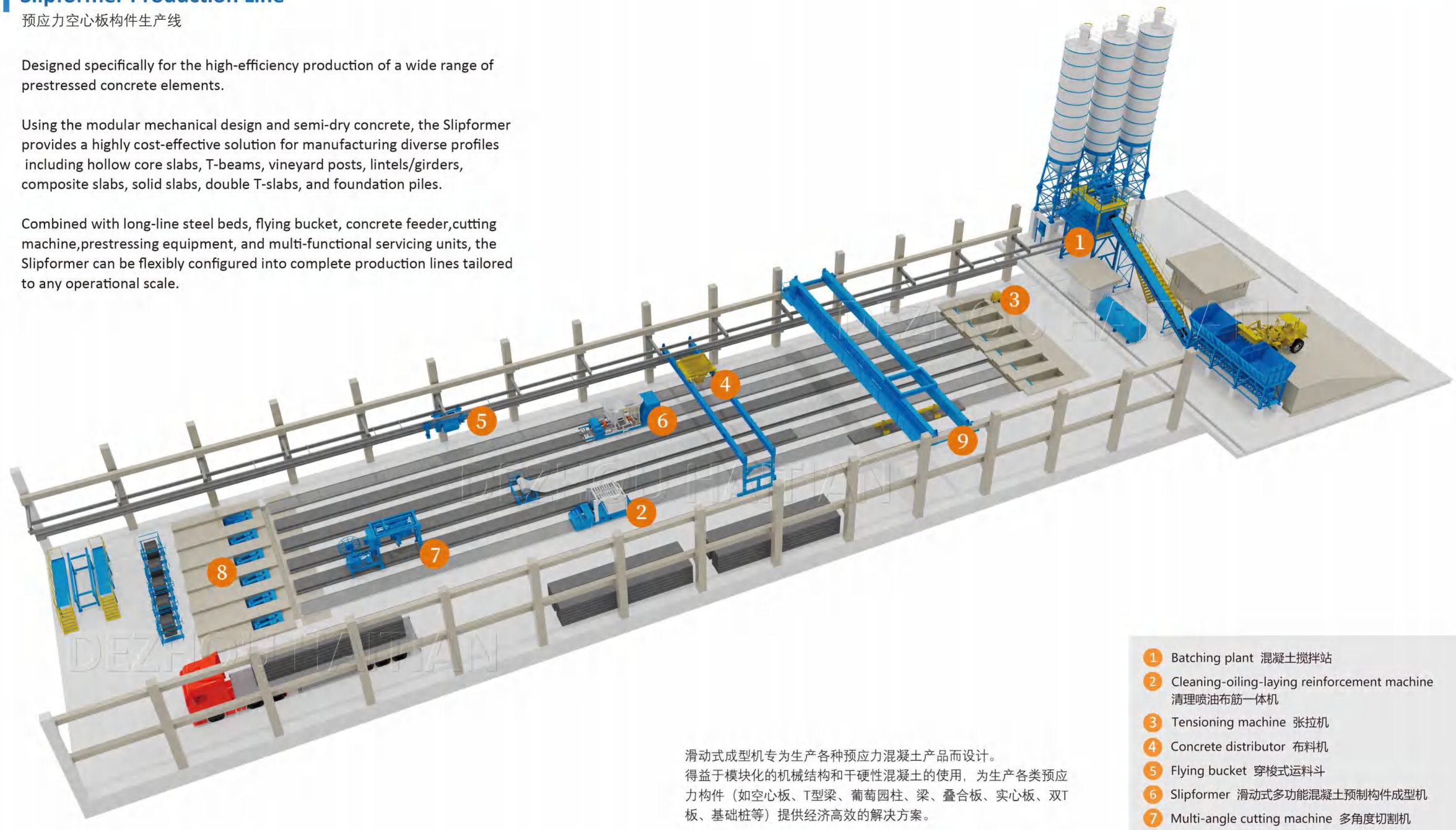
Slipformer Production Line

预应力空心板构件生产线

Designed specifically for the high-efficiency production of a wide range of prestressed concrete elements.

Using the modular mechanical design and semi-dry concrete, the Slipformer provides a highly cost-effective solution for manufacturing diverse profiles including hollow core slabs, T-beams, vineyard posts, lintels/girders, composite slabs, solid slabs, double T-slabs, and foundation piles.

Combined with long-line steel beds, flying bucket, concrete feeder,cutting machine,prestressing equipment, and multi-functional servicing units, the Slipformer can be flexibly configured into complete production lines tailored to any operational scale.



滑动式成型机专为生产各种预应力混凝土产品而设计。
得益于模块化的机械结构和干硬性混凝土的使用，为生产各类预应力构件（如空心板、T型梁、葡萄园柱、梁、叠合板、实心板、双T板、基础桩等）提供经济高效的解决方案。

成型机搭配长线钢床、送料机、转料机、切割机、预应力钢绞线设备、多功能一体机等机器，可灵活组成各种规模的生产线 。

1. Batching plant 混凝土搅拌站
2. Cleaning-oiling-laying reinforcement machine 清理喷油布筋一体机
3. Tensioning machine 张拉机
4. Concrete distributor 布料机
5. Flying bucket 穿梭式运料斗
6. Slipformer 滑动式多功能混凝土预制构件成型机
7. Multi-angle cutting machine 多角度切割机
8. De-tensioning system 放张系统
9. Lifting clamp 起板机

Main Equipment
主要设备



发明专利证书

Patent No.(专利号):
ZL 2014 1 0270834.4

Steel Casting Bed
钢制平台



Tensioning Machine
张拉机



Slipformer Molds
滑模机模具



360° Cutting Machine
多角度切割机



Concrete Feeder
混凝土转料机



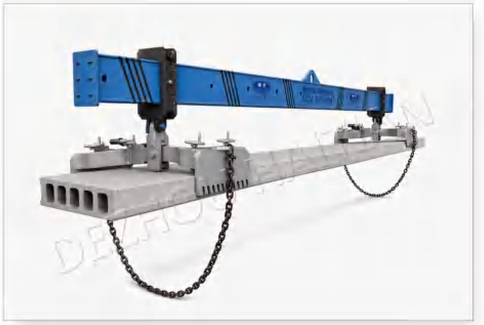
Mobile Hopper
移动料斗



Film laying machine
覆膜机



Slab Lifting Clamps
板吊夹具



Detensioning System
放张系统



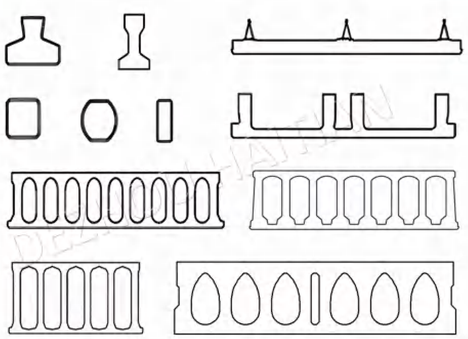
Cleaning-Oiling-Laying Reinforcement Machine
清理喷油布筋一体机



Production Line Display 产线展示

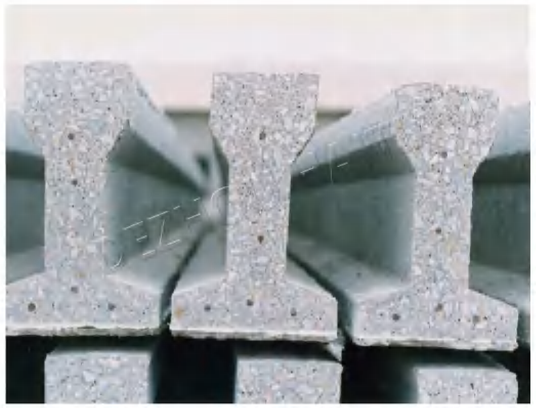


Precast Components Showcase 构件展示













Applications 应用





Customized Automatic Production Line

定制自动化生产线

A highly automated, space-saving production solution engineered for manufacturing a wide range of small to medium precast concrete elements—such as Jersey barriers, trench covers, kerbstones, slope protection slabs, and drainage channels.

Featuring exceptional operational flexibility, each station can be customized for fully automatic or semi-automatic operation, significantly reducing labor requirements while boosting output. The system guarantees consistent product quality and high throughput.



本产线是一款小型高自动化的生产线。可广泛应用于新泽西护栏、沟盖板、路沿石、护坡板、排水槽等各类小型构件的生产。

产线自动化程度高，可按需设计各个工序为全自动或半自动运行，大幅度节省人工。产品质量稳定，生产效率高。

1. Curing chamber 养护窑
2. Cleaning machine 清扫机
3. Oiling machine 喷油机
4. Tilting and lifting machine 翻转起吊机
5. Mold opening machine 开模机
6. Side shifter 摆渡车
7. Support rollers 支撑轮总成
8. Steel rebar transport machine 钢筋运输车
9. Mold closing machine 合模机
10. Concrete distributor 布料机
11. Flying bucket 送料机
12. Steel cage grabbing robot 钢筋笼抓取机械手
13. Customized mold 定制化模具

Main Equipment
主要设备



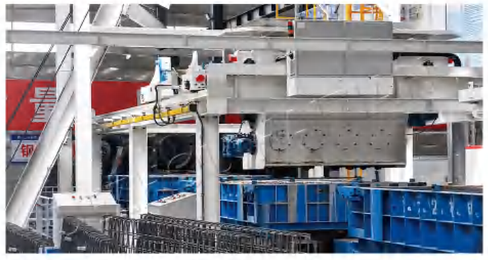
Customized Molds
定制化模具



Steel Cage Grabbing Robot
钢筋笼机械手



Concrete Distributor
混凝土布料机



Vibrating Station
振动台



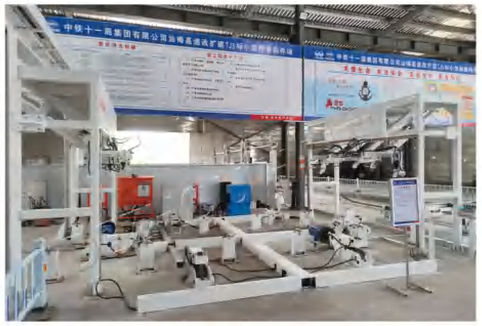
Mold Closing Machine
合模机



Stacking Robot
码垛机械手



Mold Opening Machine
开模机



Tilting And Lifting Machine
翻转起吊机



Tilting Machine
翻转机



Stacker
码垛机



Production Line Display 产线展示





Precast Components Showcase 构件展示









Applications 应用







Tilting Table
翻转模台

Suitable for producing various precast elements including wall panels, slabs and beams. Flexible mould design with integrated vibration and heating systems for efficient production.
/适用于生产墙板、楼板、梁等多种预制构件。灵活模具设计，集成振动与加热系统，实现高效生产。

Patented Technology
专利技术


发 明 专 利 证 书

Invention Patent Number
(发明专利号):
ZL 2014 1 0796728.X

Mould Real Shots
模具实拍图






Precast Components Showcase
构件展示





Long-line Table
长线模台

Suitable for long-line production of wall panels, floor slabs and large precast elements. The rigid casting bed ensures high dimensional accuracy, consistent quality and efficient forming.
/适用于长线生产墙板、楼板及大型预制构件。高刚性模台确保尺寸精度和构件质量稳定，实现高效成型。



Key Advantages
核心优势

01 Long-line Production
长线连续生产
Designed for continuous casting of various precast concrete elements./适用于各种预制混凝土构件的连续成型。

02 High Precision
高精度成型
Rigid casting bed ensures consistent element quality./高刚性模台，确保构件品质一致。

03 Efficient Demoulding
高效脱模
Supports high-volume standardized precast production./满足大批量标准化预制生产。

Mould Real Shots
模具实拍图






Precast Components Showcase
构件展示







Prestressed Concrete Columns
(Posts / Pillars / Purlins)

预应力混凝土柱 (支柱 / 立柱 / 檩条)

Designed for prestressed concrete columns and posts production, ensuring accurate dimensions, stable quality and reliable performance.

/ 用于生产预应力混凝土柱及支柱，确保尺寸精准、质量稳定、性能可靠。

Key Advantages
核心优势

01 Modular Design
模块化设计
Flexible configuration for different column and post specifications.
/ 灵活配置，适应不同规格柱类构件生产。

02 High Efficiency
高生产效率
Efficient forming process improves production efficiency.
/ 高效成型工艺，提高生产效率。

03 Sturdy Structure
结构坚固耐用
High-strength structure ensures durability and long service life./ 高强度结构设计，确保设备耐用及长期使用。

Mould Real Shots
模具实拍图






Precast Components Showcase
构件展示

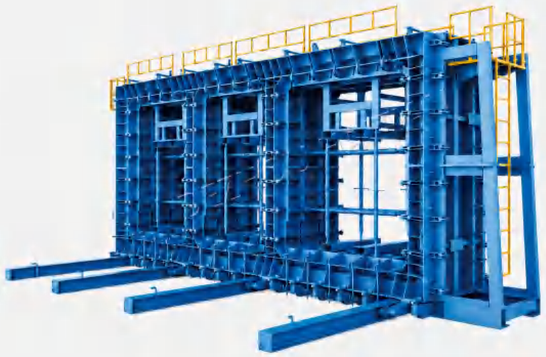




Box Culvert Mold
管廊模具

Designed for the production of box culverts, utility tunnels and underground infrastructure components. Ensures accurate forming and stable quality.

/适用于综合管廊、箱涵及地下基础设施构件生产。确保精准成型和质量稳定。



Key Advantages
核心优势

01 Large-section Production
大截面生产
Suitable for oversized utility tunnel elements.
/满足大尺寸管廊构件生产需求。

02 Stable Structure
结构稳定
Heavy-duty frame ensures mould rigidity.
/高强度结构保证模具稳定性。

03 Fast Demoulding
快速脱模
Optimized opening system improves production efficiency.
/优化开模结构，提高周转效率。

Mould Real Shots
模具实拍图






Precast Components Showcase
构件展示







Battery Mold
成组立模

Designed for producing precast concrete elements such as wall panels and floor slabs. Modular structure with integrated vibration, curing, and hydraulic systems ensures space-saving, stable quality, and efficient production.

/用于生产墙板、楼板等混凝土预制构件。模块化结构搭配振动、养护、液压系统，节省场地，质量稳定，高效生产。

Set Industry Standards
制定行业标准


团 体 标 准

T/CCMA 0109—2020

预制混凝土构件成组立模成型机

Precast concrete components forming machine by battery mould

团体标准的制定

Haitian Company participated in the formulation of industry standards

Mould Real Shots
模具实拍图






Precast Components Showcase
构件展示

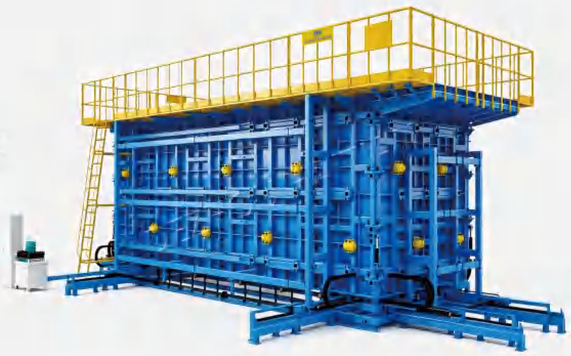




3D House Mold (PPVC, MIC)
房屋模具

Dedicated to precast housing production, which is specially designed for manufacturing integrated house modules with high dimensional accuracy for prefabricated construction.

/专用于预制房屋生产，专为高精度打造一体化房屋模块设计，适配预制化建造场景。



Mould Real Shots
模具实拍图








Precast Components Showcase
构件展示





Tilting Machine
翻转机

Versatile Mold Tilting System
/ 万能模具翻转系统

Designed for efficient precast mould handling, the system provides smooth 90–180° tilting to improve demolding and mould handling. Its heavy-duty hydraulic drive ensures stable operation, high efficiency and reliable safety.
/本系统专为预制模具翻转设计，可实现90－180°平稳翻转，提升脱模与模具周转效率。采用重载液压驱动，运行稳定可靠，高效安全。





- **90–180° Mold Tilting** 90–180°模具翻转
  Smooth synced 90–180° tilting for fast mould demolding
  /平稳同步 90–180° 翻转，高效脱模
- **Heavy-Duty Hydraulic Drive** 重载液压驱动
  High-torque hydraulics ensure stable, reliable heavy-load operation
  / 高扭矩液压系统，重载工况运行稳定可靠
- **Precise Tilting Control** 精准翻转控制
  Soft-start hydraulics for smooth tilting & precise positioning
  / 软启动液压，翻转平稳定位精准

Self-Stressing System
自持预应力系统

Integrated Self-Reaction Tensioning Technology
/ 集成式自反力张拉技术

Designed for prestressed concrete production, the system integrates self-reaction tensioning for efficient, accurate and reliable prestressing operations.
/本系统专为预应力混凝土生产设计，采用自反力张拉结构，实现高效、精准、可靠的预应力张拉作业。

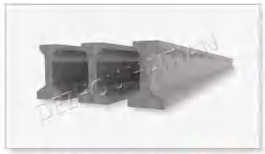




- **Self-Reaction Tensioning** 自反力张拉
  Integrated self-reaction frame eliminates the need for ground anchorage
  / 一体化自反力结构，无需地锚即可完成张拉
- **High Tension Capacity** 大吨位张拉
  Heavy-duty hydraulic system provides stable high-force tensioning
  / 重载液压驱动，满足大吨位张拉需求
- **Precision Tension Control** 精准张拉控制
  Accurate pressure control ensures stable and consistent prestressing
  / 精准压力控制，保证张拉稳定一致



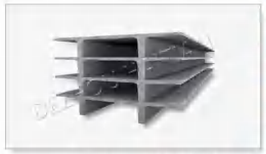
Prestressed Beam Mold
预应力梁模具








Prestressed T-T Beam Mold
预应力双T板产线








Column Mold
柱模具








Slope Protection Mold
护坡模具





Adjustable Stair Mold
可调楼梯模具





Bridge Beam Mold
桥梁模具





Fence Mold
围墙模具





Concrete Wind Tower Mold
风电塔筒成型模具





Retaining Wall Mold
挡土墙模具





Manhole Mold
检查井模具








U-Shape Channel Mold
预制U形槽模具








Lego Block Mold
乐高模具








Curbstone Mold
路缘石模具








Pavement Slabs Mold
路面板模具








Barrier Mold
隔离墩模具






Global Projects

全球项目案例



















Global Projects

全球项目案例





















Dezhou Haitian

TRUSTED BY
OUR PARTNERS

