# OLYMSPAN®

江苏奥琳斯邦装备科技股份有限公司
Jiangsu Olymspan Equipment Technology Co.,Ltd
江苏奥琳斯邦复合材料有限公司
Jiangsu Olymspan Composite Materials Co., Ltd

# 企业简介/Company Profile

江苏奥琳斯邦装备科技股份有限公司（以下简称“奥琳斯邦”）坐落于中国常州，是一家专注于压力容器及复材制品等研发设计及生产销售的高新技术企业。公司核心业务涵盖化工容器、快开门压力容器、热压罐、蒸压釜节能系统与碳纤维制品等，产品远销全球90余国家及地区，服务1500余个行业标杆企业。

OLYMSPAN is located in Changzhou, China. It is a high-tech enterprise specializing in the research, design, production, and sales of pressure vessels and composite products. The company's core business covers chemical pressure vessels, quick-opening pressure vessels, Autoclaves and carbon fiber products. Its products are exported to more than 90 countries and regions worldwide, serving over 1,500 industry benchmark enterprises.

# 部分合作伙伴/Partial partners



# 企业部分资质及专利证书
# Partial qualifications and patent certificates of enterprises




美国ASME U钢印
ASME U Certified




欧盟CE认证
CE Certified




俄联邦EAC证书
EAC Certified




汽车生产件质量体系
IATF 16949




ISO三体系
ISO9001/IS014001/IS045001




知识产权管理体系
Intellectual Property Management System




发明及实用新型专利
Patent for invention and utility model




软件著作权
Software Copyright Certified




省高品
Provincial High-tech Products




市高品
High-tech urban products




省民科
Provincial Private Technology Company




高新技术企业
High-tech Company

# 非标容器

## Non Standard Pressure Vessels





**换热容器**：实现物料间热量交换，回收余热、控制反应温度，提升能源利用效率，是节能降耗的关键设备。
Heat exchanger: It facilitates heat exchange between materials, recovers waste heat, controls reaction temperature, and enhances energy utilization efficiency, making it a key device for energy conservation and consumption reduction.





**分离容器**：完成气液、液液或固液分离，提纯产品、净化介质，保障工艺纯度要求，包括塔器、过滤器等多种类型。
Separation pressure vessel: It is used to complete gas-liquid, liquid-liquid, or solid-liquid separation, purify products and media, and ensure process purity requirements. It includes various types such as towers and filters.





**反应容器**：为化学反应提供受控环境，配备搅拌、加热/冷却系统，确保反应高效安全进行，广泛应用于聚合、合成等工艺。
Separation pressure vessel: Provides a controlled environment for chemical reactions, equipped with stirring and heating/cooling systems to ensure efficient and safe reaction processes. It is widely used in polymerization, synthesis, and other processes.





**储存容器**：安全储存各类原料及成品，配备压力、温度监控及安全附件，确保物料长期稳定存储与运输安全。
Storage pressure vessel: Safely store various raw materials and finished products, equipped with pressure and temperature monitoring as well as safety accessories, ensuring long-term stable storage and safe transportation of materials.

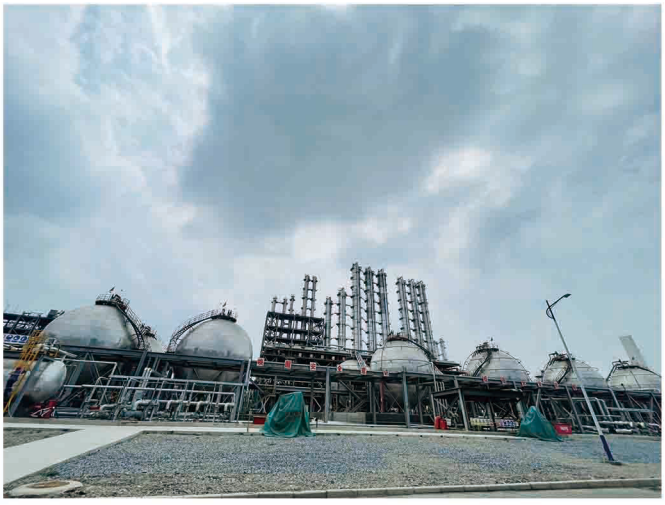
OLYMSPAN®

# 成品类化工容器 Systemic chemical pressure vessel













# 快开门压力容器

## Quick-opening pressure vessel

快开门压力容器是一种能够快速装卸物料或人员的承压设备，其端盖或封头通过齿啮合、卡箍、螺栓等机械装置实现快速启闭，启闭时间明显短于传统螺栓连接结构。主要应用于频繁开关的生产工艺，如复材固化、食品灭菌、橡胶硫化、玻璃固化等。属于特种设备监管范畴。奥琳斯邦在快开门压力容器领域深耕多年，是齿啮式快开门釜罐类细分领域的隐形冠军企业。

A quick opening pressure vessel is a type of pressure equipment that can quickly load and unload materials or personnel. Its end cap or head is quickly opened and closed through mechanical devices such as tooth engagement, clamps, bolts, etc., and the opening and closing time is significantly shorter than traditional bolt connection structures. Mainly used in the production process of frequent switching, such as composite curing, food sterilization, rubber vulcanization, glass curing, etc. Belonging to the scope of special equipment supervision.

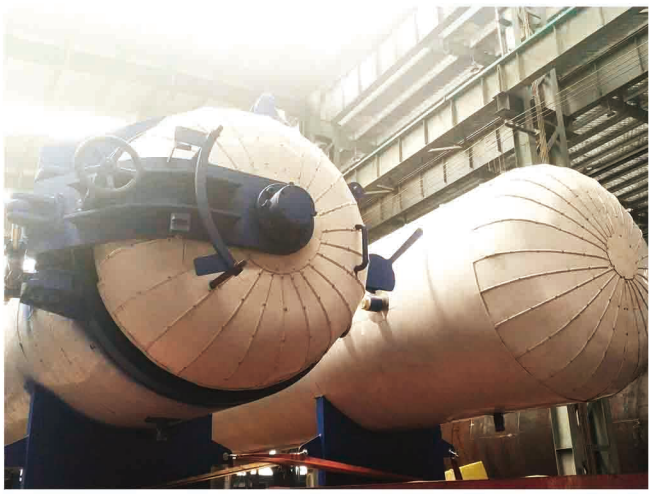
OLYMSPAN has been deeply involved in the field of fast opening pressure vessels for many years and is an Autoclave hidden champion enterprise.



热压罐：用于复材制品成型
Composite autoclave:
used for molding composite products



蒸压釜：用于加气制品蒸养
AAC Autoclave: Used for steam curing of autoclaved aerated concrete products



硫化罐：用于橡胶硫化
Vulcanization autoclave:
used for rubber vulcanization



管桩釜：用于管桩制品蒸养
PHC autoclave: used for Pre-stressed High-strength Concret product steaming and curing



木材釜：用于木材浸渍防腐等
Wood Autoclave: Used for impregnation and anti-corrosion of wood, etc



玻璃釜：用于玻璃深加工
Glass Autoclave:
Used for deep processing of glass




真空炉：用于石墨制品淬火冷却
Vacuum furnace:
used for quenching and cooling graphite products



浸渍罐：用于石墨浸渍
Immersion Autoclave:
Used for impregnating graphite products



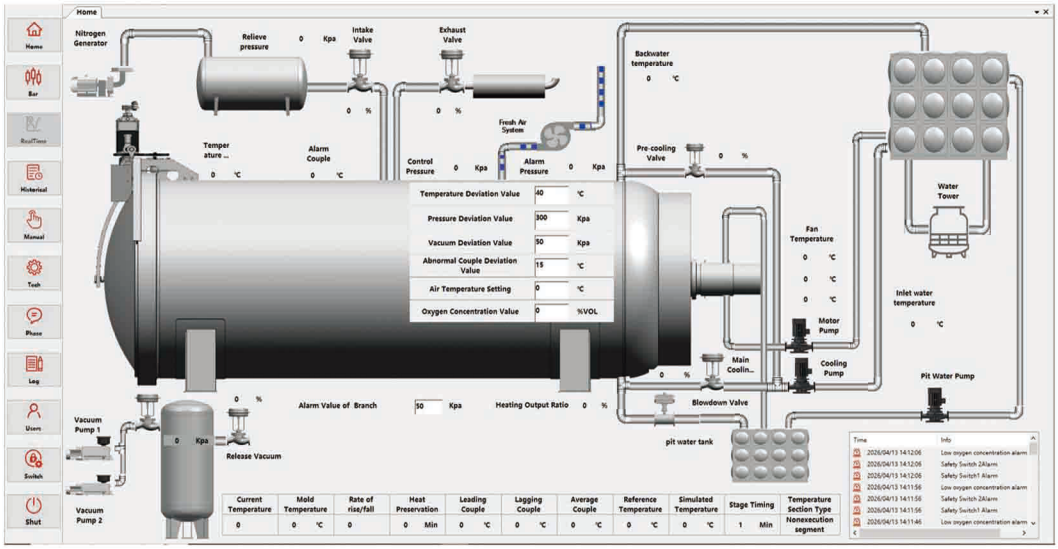
热闷罐：用于钢渣冷却裂解
Cracking autoclave: used for cooling and cracking steel slag

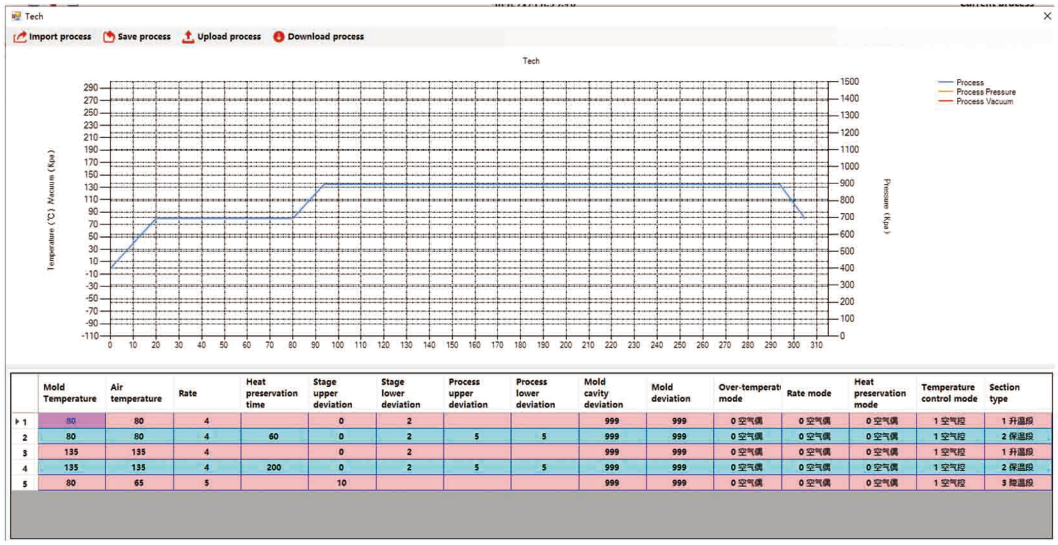
## 其他快开门容器：定制改性工艺

Other fast opening container autoclaves: customized modified process

# 热压罐系统

Composite Autoclave-system




| | Mold Temperature | Air temperature | Rate | Heat preservation time | Stage upper deviation | Stage lower deviation | Process upper deviation | Process lower deviation | Mold cavity deviation | Mold deviation | Over-temperati mode | Rate mode | Heat preservation mode | Temperature control mode | Section type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 80 | 80 | 4 | | 0 | 2 | | | 999 | 999 | 0 空气偶 | 0 空气偶 | 0 空气偶 | 1 空气控 | 1 升温段 |
| 2 | 80 | 80 | 4 | 60 | 0 | 2 | 5 | 5 | 999 | 999 | 0 空气偶 | 0 空气偶 | 0 空气偶 | 1 空气控 | 2 保温段 |
| 3 | 135 | 135 | 4 | | 0 | 2 | | | 999 | 999 | 0 空气偶 | 0 空气偶 | 0 空气偶 | 1 空气控 | 1 升温段 |
| 4 | 135 | 135 | 4 | 200 | 0 | 2 | 5 | 5 | 999 | 999 | 0 空气偶 | 0 空气偶 | 0 空气偶 | 1 空气控 | 2 保温段 |
| 5 | 80 | 65 | 5 | | 10 | | | | 999 | 999 | 0 空气偶 | 0 空气偶 | 0 空气偶 | 1 空气控 | 3 降温段 |

**加热系统：电加热、导热油、蒸汽加热**
Heating system: electric heating, heat transfer oil, steam heating

**冷却系统：冷却塔、水冷机（选配）**
Cooling system: cooling tower, water chiller(optional)

**加压系统：空压机/制氮机/增压机、储罐（选配）**
Pressurization system: air compressor/nitrogen generator/booster, storage tank (optional)

**鼓风系统：风机、风道**
Air blast system: fan, air duct

**真空系统：真空管路、缓冲罐、真空泵**
Vacuum system: vacuum pipeline, buffer tank, vacuum pump

**装载系统：小车、平台、牵引、过桥**
Loading system: trolley, platform, traction, bridge

**阀门仪表：调节阀、过程仪表、传感器**
Valve instruments: regulating valves, process instruments, sensors

**控制系统：PLC、触摸屏、记录仪**
Control system: PLC, touch screen, recorder

# 产品系列 Product series



快速成型台
Rapid prototyping table



热压罐
Autoclave-RYG1.2（220）-1.0×1.5




热压罐
Autoclave-RYG1.2（220）-1.5×3



热压罐
Autoclave-RYG1.2（220）-2.0×4



热压罐
Autoclave-RYG1.2（220）-2.2x12



热压罐
Autoclave-RYG1.2（220）-2.5×6



热压罐
Autoclave-RYG1.2（220）-3.0×8



热压罐
Autoclave-RYG1.2（250）-3.5×6



热压罐
Autoclave-RYG1.2（250）-5.0×10



热压罐
Autoclave-RYG1.2（250）-5.5×12



热压罐管路系统：
黄色气路，蓝色水路、绿色真空
Autoclave piping system yellow - gas circuit, blue -waterway, green - vacuum



热压罐控制阀组：进气、排气、真空、冷却
Autoclave controlling valve group: intake,exhaust,vacuum,cooling

# 蒸压釜及节能系统

Autoclave and energy-saving system

## 蒸压釜主要性能参数表

## Main Performance Parameters Table of Autoclave

| 序号 NO. | 名 称 Name | 单位 Unit | 型号规格和参数 Type,specification & parameter | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Φ1.65×L | Φ2.0×L | Φ2.5×L | Φ2.68×L | Φ2.85×L | Φ3.0×L | Φ3.2×L | Φ3.5×L |
| 1 | 釜体内径 Internal diameter of autoclave body | m | Φ1.65 | Φ2 | Φ2.5 | Φ2.68 | Φ2.85 | Φ3 | Φ3.2 | Φ3.5 |
| 2 | 有效长度 Effective length | m | L:根据用户要求 according to users' requirements | | | | | | | |
| 3 | 设计压力 Design pressure | Mpa | 1.6 | | | | | | | |
| 4 | 设计温度 Design temperatur | ℃ | 204 | | | | | | | |
| 5 | 工作压力 Working pressure | Mpa | 1.5 | | | | | | | |
| 6 | 工作温度 Working temperature | ℃ | 201 | | | | | | | |
| 7 | 筒体板厚 Plate thickness of shell | mm | 14 | 16 | 20 | 20/26 | 20/26 | 20/26 | 22/26 | 22/26 |
| 8 | 主要材质 Main material | | Q345R-GB713,16MnⅡ-NB/T47008,20-GB/T8163,20-GB9948 | | | | | | | |
| 9 | 结构型式 Structure type | | 贯通式或尽端式 Through-type or dead-end type | | | | | | | |
| 10 | 工作介质 Working medium | | 饱和蒸汽及冷凝水 Saturated steam and condensated water | | | | | | | |
| 11 | 釜内轨距 Internal rail gauge | mm | 600×200（12KG） | 600×150（12KG） | 800×200（15KG） | 800×250（24KG） | 1220×320（38KG） | | | |
| 12 | 开门方式 Open mode | | 手动，电动，液压，气动上开门或侧开门 Manual, electric, hydraulic , pneumatic swing-up door or side-opening door | | | | | | | |
| 13 | 排污排水 Discharge and Drainage | | 手动、自动 Manual, Automatic | | | | | | | |
| 14 | 外形尺寸 (长/W×宽/B×高/H) External dimension W×B×H | m | L+1.3×2.3×2.81 | L+1.8×2.6×3.34 | L+1.8×3.1×4.0 | L+1.9×3.4×4.3 | L+2.0×3.55×4.5 | L+2.1×3.7×4.63 | L+2.2×3.9×5.03 | L+2.7×4.1×5.5 |
| 15 | 运输尺寸 (长/W×宽/b×高/h) Transport dimension W×b×h | m | L+1.3×2.2×2.1 | L+1.8×2.5×2.5 | L+1.8×3.0×2.9 | L+1.9×3.3×3.3 | L+2.0×3.45×3.45 | L+2.1×3.6×3.6 | L+2.2×3.8×3.8 | L+2.7×4.0×4.1 |

其他规格可根据客户具体需求定制

Other specifications can be customized according to specific customer needs

OLYMSPAN®






# 蒸压釜
Product series

## 蒸压釜节能系统 / Autoclave energy-saving system


















# OLYMSPAN®

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