



## 专注吹塑领域后段无人包装自动化

Focusing on the blow molding field of unmanned packaging automation in the back section

## LEADING BRAND FOR BACK SECTION OF BOTTLING INDUSTRY

吹瓶行业后段无人包装自动化引领品牌



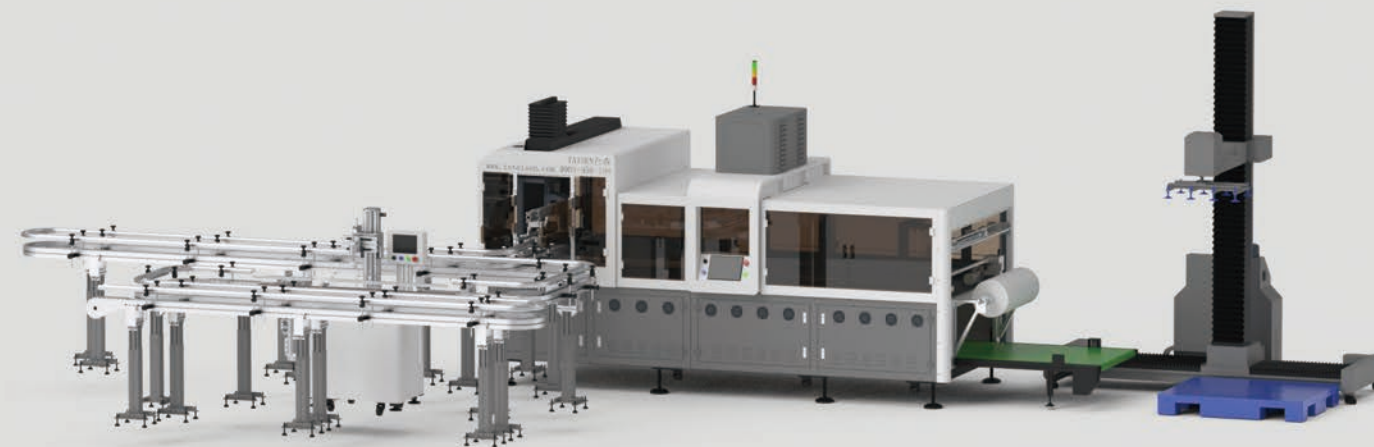
广东台森智能装备有限公司  
Guangdong Taisen Intelligent Equipment Co. LTD

☎ 4008 958 198

✉ 553657427@qq.com

🌐 <http://www.zstaisen.com>

📍 广东省中山市小榄镇同茂社区志学路17号  
No.17 Zhixue Road, Tongmao Community, Xiaolan Town, Zhongshan City,  
Guangdong Province



输送  
CONVEYING



视觉  
VISUAL TESTING



测漏  
LEAK TESTING



装袋  
BAGGING PACKING



装箱  
BOX PACKING



堆垛  
STACKING

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广东台森智能装备有限公司，座落于广东省中山市小榄镇，于2010年成立中山市东升镇台森机电设备厂，2021年正式更名为广东台森智能装备有限公司，本公司是以吹塑行业包装自动化设备的设计制造企业。不断创新，精益求精，为客户提供满意的解决方案。

应行业需求，我司自主研发设计PE、PP、PET等各材质空瓶包装用全自动空塑料瓶包装机装箱机，真正意义上实现了空瓶包装无人化操作，极大的减少了企业的人工劳动成本和运输成本，提高了工作效率。历时多年数次测试改进，先后获得国家实用新型专利18项，国家发明专利4项，并获国家高新技术产品认定。

“想客户之所想，急客户之所急”。公司成立至今，始终将秉持最专业及亲切的服务精神与您一同迈向未来，并期待旧雨新知继续惠予支持与指教！



Guangdong Taisen Intelligent Equipment Co., Ltd. is located in Xiaolan Town, Zhongshan City, Guangdong province. In 2010, it established Taisen Electromechanical Equipment Factory in Dongsheng Town, Zhongshan City. In 2021, it officially changed its name to Guangdong Taisen Intelligent Equipment Co., LTD. The company is a design and manufacturing enterprise of packaging automation equipment in blow molding industry. Continuous innovation, excellence, to provide customers with satisfactory solutions.

In response to the industry's demand, our company independently develops and designs fully automatic empty plastic bottle packaging machines for PE, PP, PET and other materials, which allows for unmanned operation of empty bottle packaging, greatly reducing labor and transportation costs of the enterprise, and improves efficiency. After several years of testing and improvement, it has obtained 18 national utility model patents, 4 national invention patents, and national high-tech product certification.

"Think what your customers do and be concerned about what your customers are concerned about." Since its establishment, the company has always adhered to the most professional and cordial service spirit, marches forward together with you, and looks forward to the continued support and suggestions from old experiences and new knowledge!

## Project cases 工程案例





# About Us



2010

成立中山市东升镇台森机电设备厂

2011

正式更名为中山市东升镇台森机电设备有限公司

2013

成功研发国内第一台全自动空塑料瓶装袋机

2015

成功研发国内第一台全自动多瓶种自动切换型空塑料瓶装袋机

2017

成功研发国内第一台全自动多层空塑料瓶装袋机/装箱机

2018

成功研发国内第一台全自动高速空塑料瓶装袋机

2019

成功研发国内第一台高精度无气测漏机

2021

正式更名为广东台森智能装备有限公司

2022

荣获“广东省高新技术企业”称号

## Technology is always ahead and never surpassed

技术始终领先

从来未被超越！

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## Technology is always at the cusp and has never been surpassed



2010

Establishment of Zhongshan Dongsheng Town Taisen  
Electromechanical Equipment Factory

2011

Officially renamed Zhongshan Dongsheng Town Taisen  
Mechanical and Electrical Equipment Co., Ltd.

2013

Successfully developed the first fully automatic empty  
plastic bottle bagging machine in China

2015

Successfully developed the first fully automatic multi-type bottle  
automatic switchempty plastic bottle bagging machine in China

2017

Successfully developed the first fully automatic multi-layer empty  
plastic bottling/packing machine in China

2018

Successfully developed the first fully automatic high-speed empty  
plastic bottle bagging machine in China

2019

Successfully developed the first high precision airless leak  
detection machine in China

2021

Officially renamed Guangdong Taisen Intelligent Equipment Co., LTD

2022

Won the title of "High-tech Enterprise of Guangdong Province"





我们的  
CORPORATE  
**荣誉**

一路成长 一路陪伴  
ALL THE WAY TO GROW UP



## 我们的价值

### 企业精神

诚信和谐，高效敬业，开拓创新

### 质量方针

以质量求生存，以质量兴品牌，以质量促发展

### 核心价值观

以人为本，诚信经营，科技兴业，以精为先

### 企业愿景

育一流人才，创一流品牌，做一流公司

Entrepreneurial honesty and harmony, high efficiency and devotion, pioneering and innovation

Quality Policy that seeks quality production, popularizes brand with quality, and develops with quality charts

Core Value that are people-oriented, management with integrity, prosperity through science and technology, and excellence first

Business Vision that cultivate first-class talents, creates first-class brands, and become first-class companies

## 我们的优势

### 多型瓶通用性兼容

无需更换任何部件，无需使用任何调节工具，全电脑自动完成瓶型切换，单机50种瓶型参数存储于系统内部，随调随用，方便快捷简单，可通用于100ML-20L各材质塑料空瓶。

### 全自动无人化高速运行

无需人工操作，挂袋、入瓶、堆垛等动作均由机器自动完成，根据瓶身大小及装袋数量而定，产量最高可达20000瓶/小时。

### 更低能耗更省耗材

脉冲驱动控制运行，整机每小时能耗仅为0.50KW！采用卷状胶袋设计，对比传统单个胶袋，采购成本下降5%-15%；对比传统单个胶袋，材料用量节省5%-15%。

### 自主研发创新国际领先水平

国家高新技术产品，4项国家发明专利，18项国家实用新型专利。全国首台全自动塑料瓶装袋机发明创造者。

### Versatile compatibility of multi-type bottles

It does not need to replace any parts or need to use adjustment tools. The computer automatically completes switching between bottle types with 50 different kinds of bottle parameters on a single machine are stored in the system, which is convenient, quick and easy to use, and can be used for 100ML-20L empty plastic bottles of various materials.

### Fully automatic and unmanned high-speed operation

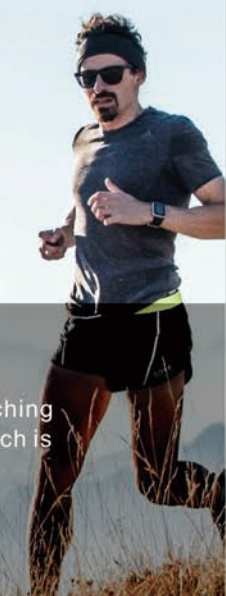
No manual operations, including hanging bags, bottle filling, stacking, or other actions are needed. The machine automatically completes the tasks. Depending on the size of the bottle body and the number of bags, the output maxes at 20,000 bottles per hour.

### Low energy consumption that saves on resource consumptions

Pulse drive control operation, which means the entire machine's energy consumption is only 0.50 KW per hour! Compared with traditional single plastic bags, the cost of purchasing is reduced by 5%-15%, and material consumption is saved by 5%-15%.

### Independent R&D and innovation at an international leading level

National high-tech products, 4 national invention patents, 18 national utility model patents—the country's first fully automatic plastic bottling machine inventor!





## TS23-18C 全自动空塑料瓶装袋机

### TS23-18C Automatic empty plastic bottle filling machine

设备特点：  
小巧、灵活，适用于医药行业的小包装。

Characteristics of the equipment:  
Compact and flexible, suitable for small packaging in pharmaceutical industry.



机型号：TS23-18C 全自动空塑料瓶装袋机  
换瓶调节方式：自动调节（更换瓶型不需更换部件，调节约为3分钟）  
供袋方式：自动连续供袋  
瓶子材质：PET/PE/PP  
瓶型种数：多种  
胶袋材质：PE瓶：LDPE/HDPE；PET瓶：LDPE  
胶袋单层厚度：≥0.03mm  
卷料重量：40-50KG/卷  
卷心直径：76mm（标准通用）  
最大包装产能（80ml为例）：3000瓶/小时（容量与产能成反比）  
进瓶带高度：900-1150mm可调  
机器进瓶方向：左侧进瓶（面对出包输送带方向）  
成型包装长度：300—700mm范围内可调  
成型包装宽度：360—700mm范围内可调  
成型包装高度：60—150mm范围内可调  
胶袋宽度：400—900mm范围内可调  
胶袋允许偏差：±5mm  
机架材料：碳钢喷粉  
电源：AC380V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长2300mm\*宽1300mm\*高1600mm

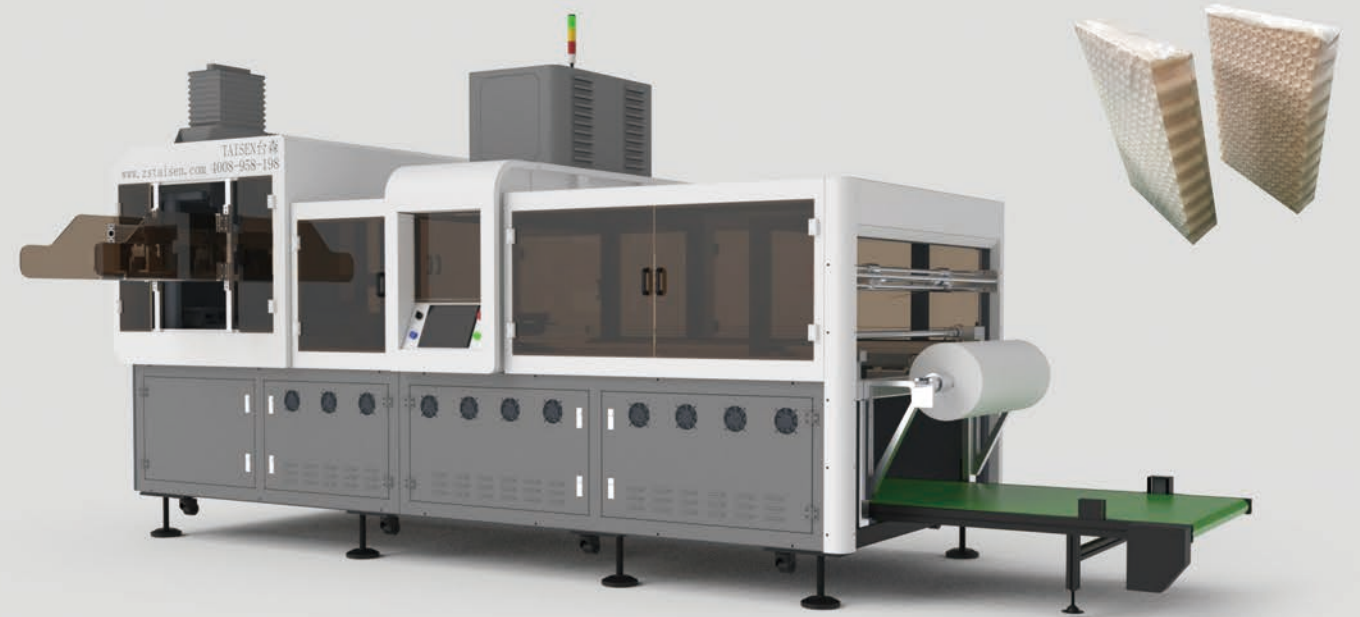
◆Model: TS23-18C Automatic Empty Plastic Bottle Bagging Machine  
◆Adjustment mode of bottle changing: automatic adjustment (it takes about 3 minutes to change the bottle shape without replacing the parts)  
◆Bag feeding mode: automatic continuous bag feeding  
◆Bottle material: PET/PE/PP  
◆Number of bottle types: many kinds  
◆Plastic bag material: PE bottle: LDPE/HDPE; PET bottle: LDPE  
◆Thickness of plastic bags: ≥0.03mm  
◆Coiling weight: 40-50kg/roll  
◆Roller diameter: 76mm (standard)  
◆Maximum packaging capacity (80ml for example): 3000 bottles/hour (capacity is inversely proportional to capacity)  
◆Bottle feeding belt height: 900-1150mm adjustable  
◆Machine bottle feeding direction: bottle feeding on the left side (facing the direction of the bag conveyor belt)  
◆Molded packaging length: adjustable within the range of 300-700mm  
◆Molded packaging width: 360-700mm range adjustable  
◆Molded packaging height: adjustable within the range of 60-150mm  
◆Plastic bag width: 400-900mm adjustable range  
◆Allowable deviation of plastic bag: ±5mm  
◆Frame material: carbon steel powder spraying  
◆Power supply: AC380V / 50 hz  
◆Source: 0.6-0.8 Mpa  
◆Equipment dimensions: length 2300mm\* width 1300mm\* height 1600mm

## TS39-11C 全自动空塑料瓶装袋机

### TS39-11C Automatic empty plastic bottle filling machine

设备特点：  
高效、节能，适合大批量单一产品使用。

Characteristics of the equipment:  
High efficiency, energy saving, suitable for mass use of single products.



机型号：TS39-11C 全自动空塑料瓶装袋机  
换瓶调节方式：机械调节（更换瓶型需更换部件，调节约为15分钟）  
供袋方式：自动连续供袋  
瓶子材质：PET/PE/PP  
瓶型种数：单种  
胶袋材质：PE瓶：LDPE/HDPE；PET瓶：LDPE  
胶袋单层厚度：≥0.03mm  
卷料重量：40-50KG/卷  
卷心直径：76mm（标准通用）  
最大包装产能（300ml为例）：12000瓶/小时（容量与产能成反比）  
进瓶带高度：1000-1200mm可调  
机器进瓶方向：左侧进瓶（面对出包输送带方向）  
成型包装长度：500—1200mm范围内可调  
成型包装宽度：530—680mm范围内可调  
成型包装高度：100—320mm范围内可调  
胶袋宽度：570—1180mm范围内可调  
胶袋允许偏差：±5mm  
机架材料：碳钢喷粉  
电源：AC380V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长4300mm\*宽1800mm\*高2500mm

◆Model: TS39-11C Automatic Empty Plastic Bottle Bagging Machine  
◆Adjustment mode of bottle changing: mechanical adjustment (the parts need to be replaced to change the bottle shape, and the adjustment takes about 15 minutes)  
◆Bag feeding mode: automatic continuous bag feeding  
◆Bottle material: PET/PE/PP  
◆Number of bottle types: single type  
◆Plastic bag material: PE bottle: LDPE/HDPE; PET bottle: LDPE  
◆Thickness of plastic bags: ≥0.03mm  
◆Coiling weight: 40-50kg/roll  
◆Roller diameter: 76mm (standard)  
◆Maximum packaging capacity (300ml for example): 12000 bottles/hour (capacity is inversely proportional to capacity)  
◆Bottle feeding belt height: 1000-1200mm adjustable  
◆Machine bottle feeding direction: bottle feeding on the left side (facing the direction of the bag conveyor belt)  
◆Molded packaging length: adjustable within the range of 500-1200mm  
◆Molded packaging width: 530-680mm range adjustable  
◆Molded packaging height: adjustable within the range of 100-320mm  
◆Plastic bag width: 570-1180mm adjustable range  
◆Allowable deviation of plastic bag: ±5mm  
◆Frame material: carbon steel powder spraying  
◆Power supply: AC380V / 50 hz  
◆Source: 0.6-0.8 Mpa  
◆Equipment dimensions: length 4300mm\* width 1800mm\* height 2500mm

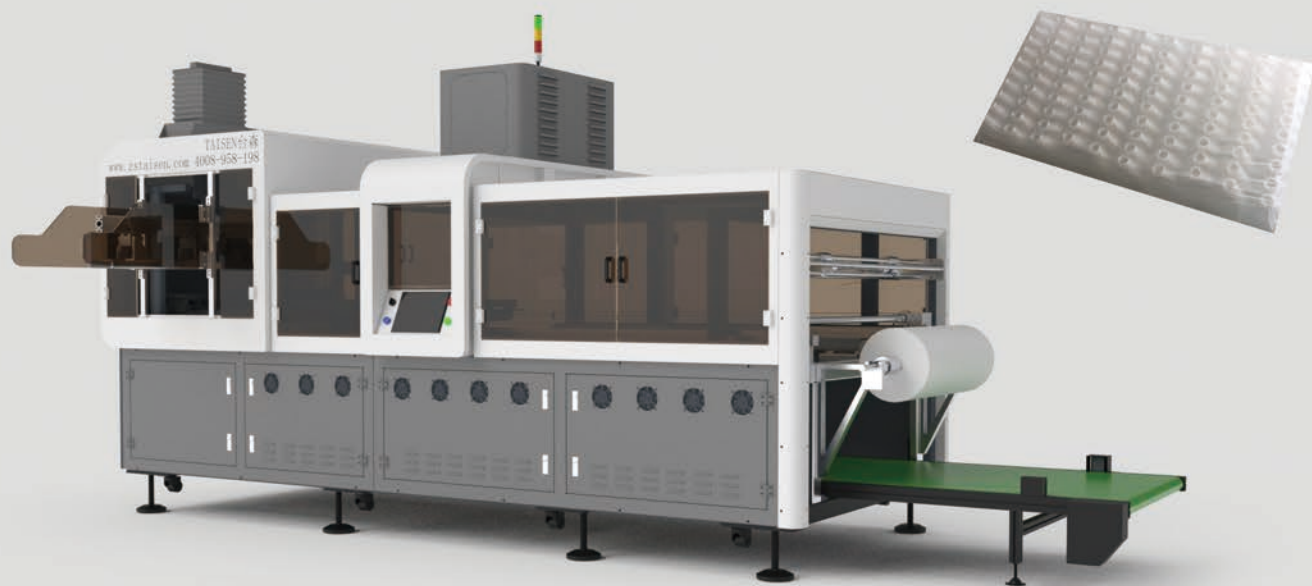


## TS39-16C 全自动空塑料瓶装袋机

### TS39-16C Automatic empty plastic bottle filling machine

设备特点：  
便捷、高效，全自动打包，全自动调节，一键切换，  
适合小批量生产订单。

Characteristics of the equipment:  
Convenient and efficient, automatic packaging, automatic adjustment,  
one-button switch, Suitable for small batch production orders.



机型号：TS39-16C 全自动空塑料瓶装袋机  
换瓶调节方式：自动调节（更换瓶型不需更换部件，调节约为3分钟）  
供袋方式：自动连续供袋  
瓶子材质：PET/PE/PP  
瓶型种数：多种  
胶袋材质：PE瓶：LDPE/HDPE；PET瓶：LDPE  
胶袋单层厚度： $\geq 0.03\text{mm}$   
卷料重量：40-50KG/卷  
卷心直径：76mm（标准通用）  
最大包装产能（300ml为例）：12000瓶/小时（容量与产能成反比）  
进瓶带高度：1000-1200mm可调  
机器进瓶方向：左侧进瓶（面对出包输送带方向）  
成型包装长度：500—1200mm范围内可调  
成型包装宽度：530—680mm范围内可调  
成型包装高度：100—320mm范围内可调  
胶袋宽度：570—1180mm范围内可调  
胶袋允许偏差： $\pm 5\text{mm}$   
机架材料：碳钢喷粉  
电源：AC380V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长4300mm\*宽1800mm\*高2500mm

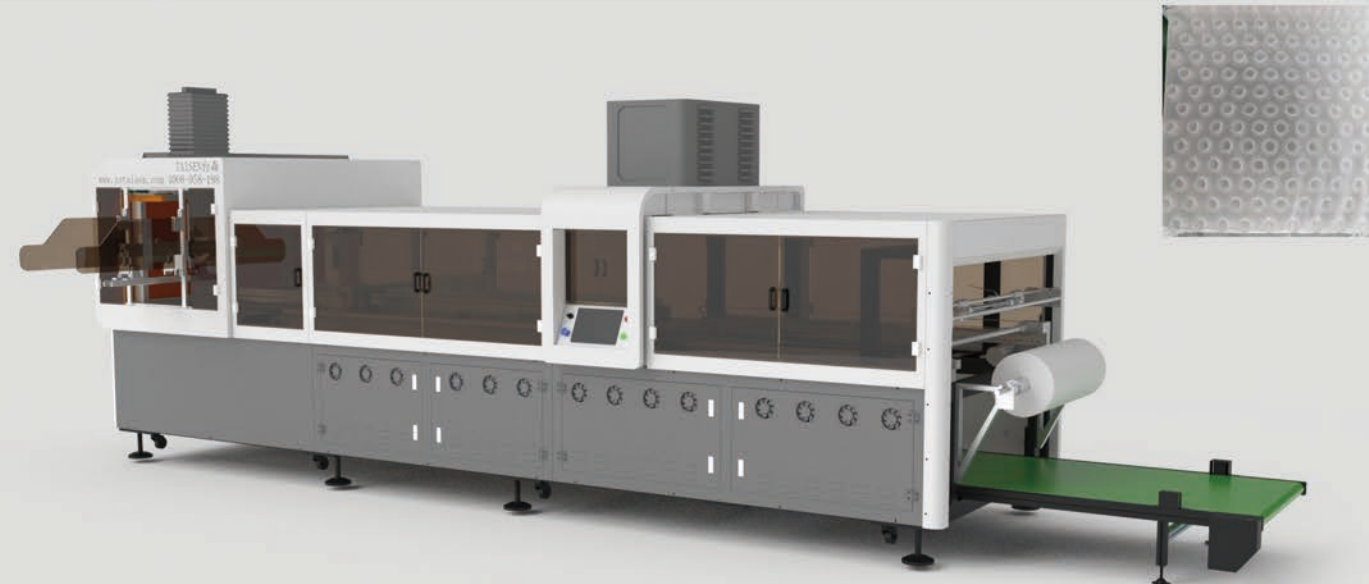
•Model: TS39-16C Automatic Empty Plastic Bottle Bagging Machine  
•Adjustment mode of bottle changing: automatic adjustment (it takes about 3 minutes to change the bottle shape without replacing the parts)  
•Bag feeding mode: automatic continuous bag feeding  
•Bottle material: PET/PE/PP  
•Number of bottle types: many kinds  
•Plastic bag material: PE bottle: LDPE/HDPE; PET bottle: LDPE  
•Thickness of plastic bags:  $\geq 0.03\text{mm}$   
•Coiling weight: 40-50kg/roll  
•Roller diameter: 76mm (standard)  
•Maximum packaging capacity (300ml for example): 12000 bottles/hour (capacity is inversely proportional to capacity)  
•Bottle feeding belt height: 1000-1200mm adjustable  
•Machine bottle feeding direction: bottle feeding on the left side (facing the direction of the bag conveyor belt)  
•Molded packaging length: adjustable within the range of 500-1200mm  
•Molded packaging width: 530-680mm range adjustable  
•Molded packaging height: adjustable within the range of 100-320mm  
•Plastic bag width: 570-1180mm adjustable range  
•Allowable deviation of plastic bag:  $\pm 5\text{mm}$   
•Frame material: carbon steel powder spraying  
•Power supply: AC380V / 50 hz  
•Source: 0.6-0.8 Mpa  
•Equipment dimensions: length 4300mm\* width 1800mm\* height 2500mm

## TS50-18C 全自动空塑料瓶装袋机

### TS50-18C Automatic empty plastic bottle filling machine

设备特点：  
高效、节能，全自动调节，一键切换，适合大批量生产订单。

Characteristics of the equipment:  
High efficiency, energy saving, automatic adjustment, one key switch,  
suitable for mass production orders.



机型号：TS50-18C 全自动空塑料瓶装袋机  
换瓶调节方式：自动调节（更换瓶型不需更换部件，调节约为3分钟）  
供袋方式：自动连续供袋  
瓶子材质：PET/PE/PP  
瓶型种数：多种  
胶袋材质：PE瓶：LDPE/HDPE；PET瓶：LDPE  
胶袋单层厚度： $\geq 0.03\text{mm}$   
卷料重量：40-50KG/卷  
卷心直径：76mm（标准通用）  
最大包装产能（300ml为例）：20000瓶/小时（容量与产能成反比）  
进瓶带高度：1000-1200mm可调  
机器进瓶方向：左侧进瓶（面对出包输送带方向）  
成型包装长度：500—1200mm范围内可调  
成型包装宽度：530—680mm范围内可调  
成型包装高度：100—320mm范围内可调  
胶袋宽度：570—1180mm范围内可调  
胶袋允许偏差： $\pm 5\text{mm}$   
机架材料：碳钢喷粉  
电源：AC380V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长5950mm\*宽1800mm\*高2500mm

•Model: TS50-18C Automatic Empty Plastic Bottle Bagging Machine  
•Adjustment mode of bottle changing: Automatic adjustment (replacing bottle type without replacing parts, adjustment is about 3 minutes)  
•Bag feeding mode: automatic continuous bag feeding  
•Bottle material: PET/PE/PP  
•Number of bottle types: single type  
•Plastic bag material: PE bottle: LDPE/HDPE; PET bottle: LDPE  
•Thickness of plastic bags:  $\geq 0.03\text{mm}$   
•Coiling weight: 40-50kg/roll  
•Roller diameter: 76mm (standard)  
•Maximum packaging capacity (300ml for example): 20000 bottles/hour (capacity is inversely proportional to capacity)  
•Bottle feeding belt height: 1000-1200mm adjustable  
•Machine bottle feeding direction: bottle feeding on the left side (facing the direction of the bag conveyor belt)  
•Molded packaging length: adjustable within the range of 500-1200mm  
•Molded packaging width: 530-680mm range adjustable  
•Molded packaging height: adjustable within the range of 100-320mm  
•Plastic bag width: 570-1180mm adjustable range  
•Allowable deviation of plastic bag:  $\pm 5\text{mm}$   
•Frame material: carbon steel powder spraying  
•Power supply: AC380V / 50 hz  
•Source: 0.6-0.8 Mpa  
•Equipment dimensions: length 5950mm\* width 1800mm\* height 2500mm



## TS30-02C 半自动空塑料瓶装袋机

### TS30-02C Semi-automatic empty plastic bottle filling machine

设备特点：  
便捷、经济，人工供袋。

Characteristics of the equipment:  
Convenient, economical, artificial bag supply.



机型型号：TS30-02C 半自动空塑料瓶装袋机  
换瓶调节方式：机械调节（更换瓶型需更换部件，调节约为10分钟）  
供袋方式：手动供袋  
瓶子材质：PET/PE/PP  
瓶型种数：多种  
胶袋材质：PE瓶：LDPE/HDPE；PET瓶：LDPE  
胶袋单层厚度：≥0.02mm  
最大包装产能（500ml为例）：4000瓶/小时（容量与产能成反比）  
进瓶高度：1000—1200mm可调  
机器进瓶方向：左侧进瓶（面对出包方向）  
成型包装长度：400—1200mm范围内可调  
成型包装宽度：400—680mm范围内可调  
胶袋宽度：500—1180mm范围内可调  
胶袋允许偏差：±10mm  
机架材料：碳钢喷粉  
电源：AC380V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长3100mm\*宽2300mm\*高2500mm

- Model: TS30-02C semi-automatic empty plastic bottle filling machine
- Adjustment mode of bottle changing: mechanical adjustment (the parts need to be replaced to change the bottle shape, and the adjustment takes about 10 minutes)
- Bag feeding method: manual bag feeding
- Bottle material: PET/PE/PP
- Bottle type number: many kinds
- Plastic bag material: PE bottle: LDPE/HDPE; PET bottle: LDPE
- Thickness of plastic bag: ≥0.02mm
- Maximum packing capacity (500ml for example): 4000 bottles/hour (capacity is inversely proportional to capacity)
- Bottle height: 1000-1200mm adjustable
- Machine into the bottle direction: left into the bottle (facing the direction of the package)
- Molded packaging length: 400-1200mm adjustable range
- Molding packaging width: 400-680mm range adjustable
- Plastic bag width: adjustable within the range of 500-1180mm
- Plastic bag allowable deviation: ±10mm
- Frame material: carbon steel powder spraying
- Power supply: AC380V / 50 hz
- Source: 0.6-0.8 Mpa
- Equipment dimensions: length 3100mm\* width 2300mm\* height 2500mm

## TS20-03C 大包垛码机

### TS20-03C Large palletizing and coding machine

设备特点：  
大包堆高，替代人工码高工作。

Characteristics of the equipment:  
Large package stacking, replace manual code high work.



机器型号：TS20-03C 大包堆码机  
取包方式：吸附/夹持  
堆码方式：横移  
堆叠方式：垂直平叠  
换瓶调节方式：自动调节（更换瓶型不需更换部件，调节约为1分钟）  
取包高度：350mm  
放包高度：350-1800mm  
取包重量：10KG  
取包节拍：20秒/包  
机架材料：碳钢喷粉  
电源：AC380V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长3000mm\*宽1300mm\*高1980mm

- Machine model: TS20-03C large package stacker
- Take bag way: absorb/clamp
- Stacking mode: horizontal movement
- Stacking mode: vertical flat stack
- Adjustment mode of bottle changing: automatic adjustment (it takes about 1 minute to change the bottle shape without replacing the parts)
- Bag height: 350mm
- Packing height: 350-1800mm
- Bag weight: 10KG
- Packet pickup time: 20 seconds per packet
- Frame material: carbon steel powder spraying
- Power supply: AC380V / 50 hz
- Source: 0.6-0.8 Mpa
- Equipment dimensions: length 3000mm\* width 1300mm\* height 1980mm



## TS18-03C 半自动空塑料瓶堆码机

### TS18-03C Semi-automatic empty plastic bottle stacker

设备特点：  
便捷、经济，人工放卡板、地台板。

Characteristics of the equipment:  
Convenient, economical, manual card board, floor board.



机型型号：TS18-03C 半自动空塑料瓶堆码机  
换瓶调节方式：机械调节（更换瓶型需更换部件，调节约为10分钟）  
堆垛方式：高位堆垛  
适用瓶高：300mm以内  
供板方式：手动供板  
瓶子材质：PET/PE/PP  
瓶型种数：多种  
最大包装产能（500ml为例）：8000瓶/小时（容量与产能成反比）  
进瓶高度：1500mm可调  
机器进瓶方向：后方进瓶（面对出垛方向）  
成型堆垛长度：1200mm  
成型堆垛宽度：1000mm  
机架材料：碳钢喷粉  
电源：AC380V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长3000mm\*宽1300mm\*高1980mm

◆Model: TS18-03C semi-automatic empty plastic bottle stacker  
◆Adjustment mode of bottle changing: mechanical adjustment (the parts need to be replaced to change the bottle shape, and the adjustment takes about 10 minutes)  
◆Stacking mode: high stacking  
◆Applicable bottle height: within 300mm  
◆Plate feeding mode: manual plate feeding  
◆Bottle material: PET/PE/PP  
◆Bottle type number: many kinds  
◆Maximum packing capacity (500ml for example): 8000 bottles/hour (capacity is inversely proportional to capacity)  
◆Bottle height: 1500mm adjustable  
◆Machine into the bottle direction: rear into the bottle (facing the direction of out of the stack)  
◆Molded stacking length: 1200mm  
◆Forming stacking width: 1000mm  
◆Frame material: carbon steel powder spraying  
◆Power supply: AC380V / 50 hz  
◆Source: 0.6-0.8 Mpa  
◆Equipment dimensions: length 3000mm\* width 1300mm\* height 1980mm

## TS26-12C 全自动塑料瓶装箱机

### TS26-12C Automatic Plastic Bottle Packing Machine

设备特点：  
体积小，兼容性强，替代传统人工装箱。

Characteristics of the equipment:  
Compact size, strong compatibility, replace the traditional manual packing.



#### 设备参数

◆适用瓶型：椭圆形瓶、扁形瓶、方形瓶  
◆装箱速度：20箱/小时  
◆抓器手爪：1组  
◆机械尺寸：L1800mm\*W1600mm\*H2750mm  
◆最大装箱规格：L700mm\*W600mm\*H600mm  
◆最小装箱规格：L350mm\*W300mm\*H300mm  
◆使用电源：380V/50Hz  
◆使用气源：5-6Kg/cm<sup>2</sup> 460L/min  
◆机械重量：800KG

#### Equipment parameters

◆Applicable bottle types: Oval, flat, and square bottles  
◆Packing speed: 20 boxes/hour  
◆Grippers: 1 set  
◆Equipment dimensions: L1800mm\*W1600mm\*H2750mm  
◆Maximum packing size: L700mm\*W600mm\*H600mm  
◆Minimum packing size: L350mm\*W300mm\*H300mm  
◆Power supply: 380V/50Hz  
◆Air source: 5-6Kg/cm<sup>2</sup> 460L/min  
◆Equipment weight: 800KG



## TS16-03C-1 单头测漏机（无气测漏）

### TS16-03C-1 single head leak detector (no air leak detector)

设备特点：  
颠覆设计，无气测漏，卫生安全，超强兼容，换瓶测漏  
一键切换。

Characteristics of the equipment:  
Subversion design, no gas leak detection, health and safety,  
super compatibility, bottle decanting leak detectionOne button toggle.



机器型号：TS16-03C-1单头测漏机

测漏方式：静态

换瓶调节方式：自动调节（更换瓶型不需更换部件，调节约为1分钟）

检测方式：压降

测漏头数：1个

测漏口径：定制

检测孔径：0.15mm

数据存储：50组

测瓶高度：60-380mm可调

测漏头离地高度：900-1550mm可调

输送带离地高度：850-1200mm可调

自带输送带：有

输送带宽度：200mm

输送方向：右向（正对机器操作面）

踢瓶功能：有

隔瓶功能：据瓶型待定

最大测漏产能（300ml为例）：7200瓶/小时（容量与产能成反比）

机架材料：碳钢喷粉

电源：AC380V/50Hz

气源：0.6-0.8MPa

设备外形尺寸：长1600mm\*宽800mm\*高1600mm

•Machine model: TS16-03C-1 single head leak detector

•Leak detection method: static

•Adjustment mode of bottle changing: automatic adjustment (it takes about 1 minute to change the bottle shape without replacing the parts)

•Detection method: pressure drop

•Number of leak detection heads: 1

•Leakage caliber: customized

•Detection aperture: 0.15mm

•Data storage: 50 groups

•Measuring bottle height: 60-380mm adjustable

•Measuring the height of the leak head from the ground: 900-1550mm adjustable

•Conveyor belt height from the ground: 850-1200mm adjustable

•Bring Conveyor Belt: Yes

•Conveyor belt width: 200mm

•Delivery direction: right (directly facing the machine operating surface)

•Kick bottle function: Yes

•Bottle separation function: according to the bottle type to be determined

•Maximum leak detection capacity (300ml for example): 7200 bottles/hour (capacity is inversely proportional to capacity)

•Frame material: carbon steel powder spraying

•Power supply: AC380V / 50 hz

•Source: 0.6-0.8 Mpa

•Equipment dimensions: length 1600mm\* width 800mm\* height 1600mm

## TS16-03C-N 多头测漏机（无气测漏）

### TS16-03C-N multi-head leak detector (no air leak detector)

设备特点：  
颠覆设计，无气测漏，卫生安全，超强兼容，超高效率，  
换瓶测漏一键切换。

Characteristics of the equipment:  
Subversive design, no gas leak detection, health and safety, super compatibility,  
super efficiency,Decanting leak detection with one key switch.



机器型号：TS16-03C-N 多头测漏机

测漏方式：静态

换瓶调节方式：自动调节（更换瓶型不需更换部件，调节约为3分钟）

检测方式：压降

测漏头数：N个

测漏口径：定制

检测孔径：0.15mm

数据存储：50组

测瓶高度：60-380mm可调

测漏头离地高度：900-1550mm可调

输送带离地高度：850-1200mm可调

自带输送带：有

输送带宽度：200mm

输送方向：右向（正对机器操作面）

踢瓶功能：有

隔瓶功能：据瓶型待定

最大测漏产能（300ml为例）：20000瓶/小时（容量与产能成反比）

机架材料：碳钢喷粉

电源：AC380V/50Hz

气源：0.6-0.8MPa

设备外形尺寸：长1600mm\*宽800mm\*高1600mm

•Machine model: TS16-03C-N multi-head leak detector

•Leak detection method: static

•Adjustment mode of bottle changing: automatic adjustment (it takes about 3 minute to change the bottle shape without replacing the parts)

•Detection method: pressure drop

•Number of leak detection heads: N

•Leakage caliber: customized

•Detection aperture: 0.15mm

•Data storage: 50 groups

•Measuring bottle height: 60-380mm adjustable

•Measuring the height of the leak head from the ground: 900-1550mm adjustable

•Conveyor belt height from the ground: 850-1200mm adjustable

•Bring Conveyor Belt: Yes

•Conveyor belt width: 200mm

•Delivery direction: right (directly facing the machine operating surface)

•Kick bottle function: Yes

•Bottle separation function: according to the bottle type to be determined

•Maximum leak detection capacity (300ml for example): 20000 bottles/hour (capacity is inversely proportional to capacity)

•Frame material: carbon steel powder spraying

•Power supply: AC380V / 50 hz

•Source: 0.6-0.8 Mpa

•Equipment dimensions: length 1600mm\* width 800mm\* height 1600mm



## TS18-01C-T 瓶体外观视觉检测机

### TS18-01C-T Visual inspection machine for bottle body appearance

设备特点：  
360°全方位检测，高精度、高效率、高兼容。

Characteristics of the equipment:  
360° omni-directional detection, high precision, high efficiency, high compatibility.



机器型号：TS18-01C-T 瓶体外观视觉检测机  
检测内容：崩边、划伤、黑点、透光、牙边、污渍、高点、杂质等  
检测方式：拍照比对  
相机数量：6个/10个/14个  
检测部位：瓶口、瓶身、瓶底  
检测精度：0.1-0.3mm  
最高检测速度：20000瓶/小时  
换瓶调节方式：自动调节（更换瓶型不需更换部件，调节约为3分钟）  
数据存储：50组  
检瓶高度：60-120mm/120-150mm/150-250mm/250-300mm  
输送带离地高度：850-1200mm可调  
自带输送带：有  
输送带宽度：200mm  
输送方向：向右（正对机器操作面）  
踢瓶功能：有  
隔瓶功能：据瓶型待定  
机架材料：碳钢喷粉  
电源：AC380V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长1800mm\*宽800mm\*高1600mm

- ◆Machine model: TS18-01C-T Visual inspection machine for bottle body appearance
- ◆Detection content: edge collapse, scratch, black spot, light, tooth edge, stains, high points, impurities, etc
- ◆Detection method: photo comparison
- ◆Number of cameras: 6 / 10 / 14
- ◆Detection site: bottle mouth, bottle body and bottle bottom
- ◆Detection accuracy: 0.1-0.3mm
- ◆Maximum detection speed: 20,000 bottles/hour
- ◆Adjustment mode of bottle changing: automatic adjustment (it takes about 3 minutes to change the bottle shape without replacing the parts)
- ◆Data storage: 50 groups
- ◆Inspection height: 60-120mm/120-150mm/150-250mm/250-300mm
- ◆Conveyor belt height from the ground: 850-1200mm adjustable
- ◆Bring Conveyor Belt: Yes
- ◆Conveyor belt width: 200mm
- ◆Delivery direction: right (directly facing the machine operating surface)
- ◆Kick bottle function: Yes
- ◆Bottle separation function: according to the bottle type to be determined
- ◆Frame material: carbon steel powder spraying
- ◆Power supply: AC380V / 50 hz
- ◆Source: 0.6-0.8 Mpa
- ◆Equipment dimensions: length 1800mm\* width 800mm\* height 1600mm

## TS18-01C-P 瓶胚外观视觉检测机

### TS18-01C-P Visual inspection machine for flask embryo appearance

设备特点：  
360°全方位检测，高效率，高精度，高兼容。

Characteristics of the equipment:  
360° omni-directional detection, high efficiency, high precision, high compatibility.



机器型号：TS18-01C-P 瓶胚外观视觉检测机  
检测内容：崩边、划伤、黑点、透光、牙边、污渍、高点、杂质等  
检测方式：拍照比对  
相机数量：6个  
检测部位：瓶口、瓶身、瓶底  
检测精度：0.1-0.3mm  
最高检测速度：20000瓶/小时  
换瓶调节方式：自动调节（更换瓶型不需更换部件，调节约为3分钟）  
数据存储：50组  
检瓶高度：60-120mm/120-150mm/150-250mm/250-300mm  
输送带离地高度：850-1200mm可调  
自带输送带：有  
输送带宽度：200mm  
输送方向：向右（正对机器操作面）  
踢瓶功能：有  
隔瓶功能：据瓶型待定  
机架材料：碳钢喷粉  
电源：AC380V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长1800mm\*宽800mm\*高1600mm

- ◆Machine model: TS18-01C-P Visual inspection machine for flask embryo appearance
- ◆Detection content: edge collapse, scratch, black spot, light, tooth edge, stains, high points, impurities, etc
- ◆Detection method: photo comparison
- ◆Number of cameras: 6
- ◆Detection site: bottle mouth, bottle body and bottle bottom
- ◆Detection accuracy: 0.1-0.3mm
- ◆Maximum detection speed: 20,000 bottles/hour
- ◆Adjustment mode of bottle changing: automatic adjustment (it takes about 3 minutes to change the bottle shape without replacing the parts)
- ◆Data storage: 50 groups
- ◆Inspection height: 60-120mm/120-150mm/150-250mm/250-300mm
- ◆Conveyor belt height from the ground: 850-1200mm adjustable
- ◆Bring Conveyor Belt: Yes
- ◆Conveyor belt width: 200mm
- ◆Delivery direction: right (directly facing the machine operating surface)
- ◆Kick bottle function: Yes
- ◆Bottle separation function: according to the bottle type to be determined
- ◆Frame material: carbon steel powder spraying
- ◆Power supply: AC380V / 50 hz
- ◆Source: 0.6-0.8 Mpa
- ◆Equipment dimensions: length 1800mm\* width 800mm\* height 1600mm



## TS08-03C 吹瓶PET注吹接瓶机

TS08-03C Blow bottle PET injection blow bottle machine

### 设备特点：

本机器特别针对PET注吹机频繁的更换模具而开发，使用此机器接瓶，可将更换模具后不同高度的瓶子接到统一的高度，减去后段设备（测漏机，视觉机、打包机）频繁调高低的繁琐工作，使换瓶调机工作更高效、快捷。

This machine is specially developed for frequent mold change of PET injector and blower. With this machine, bottles of different heights can be connected after changing the mould to the same height, subtract back equipment (leak detector, vision machine, dozen) frequent adjustment of the tedious work, so that the bottle changer work higher efficient and fast.



机器型号：TS08-03C 吹瓶接瓶机  
接瓶方式：夹持、托举  
适用接瓶腔数：10腔以内  
调节方式：电动  
存储数据：50组  
接瓶高度：1350mm-850mm  
放瓶高度：1200mm-850mm  
适用瓶型规格：直径30mm-180mm  
接瓶节拍：4.5秒/次  
自带输送带：无  
输送方向：向右（面对机器操作面）  
机架材料：碳钢喷粉  
电源：AC220V/50Hz  
气源：0.6-0.8MPa  
设备外形尺寸：长800mm\*宽600mm\*高1500mm

- Machine Model: TS08-03C Bottle Blowing and Receiving Machine
- Bottle connection way: clamping, lifting
- Applicable to the number of bottles: less than 10 cavities
- Adjustment mode: electric
- Stored data: 50 groups
- Bottle height: 1350mm-850mm
- Bottle height: 1200mm-850mm
- Applicable bottle size: diameter 30mm-180mm
- Catching time: 4.5 seconds/time
- Conveyor belt: none
- Conveying direction: right (directly facing the machine operating surface)
- Frame material: carbon steel powder spraying
- Power supply: AC220V / 50 hz
- Source: 0.6-0.8 Mpa
- Equipment dimensions: length 800mm\* width 600mm\* height 1500mm

## 空瓶站立输送系统

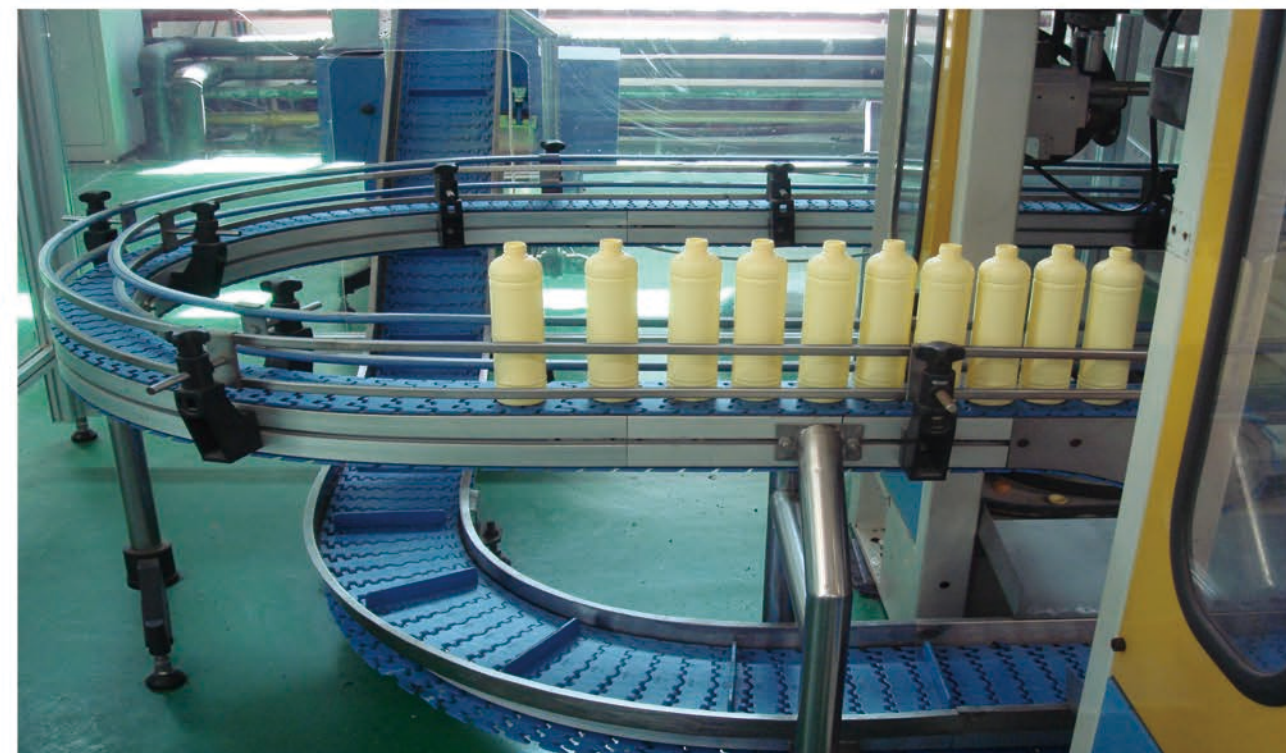
Empty bottle standing conveyor system

### 设备特点

◆结构合理、维修方便、外形美观、运行可靠。

### Equipment features

◆Reasonable structure, convenient maintenance, pleasant appearance, and reliable operation.



### 设备参数

- ◆输送形式：直行式、转弯式。
- ◆驱动的形式：电机驱动输送形式。
- ◆链板宽度：200-800mm
- ◆输送带材质：POM
- ◆线体支架：不锈钢、铝型材。
- ◆输送速度：1-30M/min;也可根据用户需要采用调速或定速。
- ◆应用范围：化工、食品、饮料等空塑料瓶站立输送。

### Equipment parameters

- ◆Conveyor form: straight type, turning type.
- ◆Driving form: motor driven conveyors.
- ◆Width of scraping belt: 200-800mm.
- ◆Conveyor belt material: POM.
- ◆Line support: stainless steel, aluminum profile.
- ◆Conveyorspeed: 1-30m /min; it may also be fitted with an adjustable speed or fixed speed according to user needs.
- ◆Range of application: chemical industry, food, beverage, and other empty plastic bottles standing conveyors.



## 水口料及制品集中输送系统

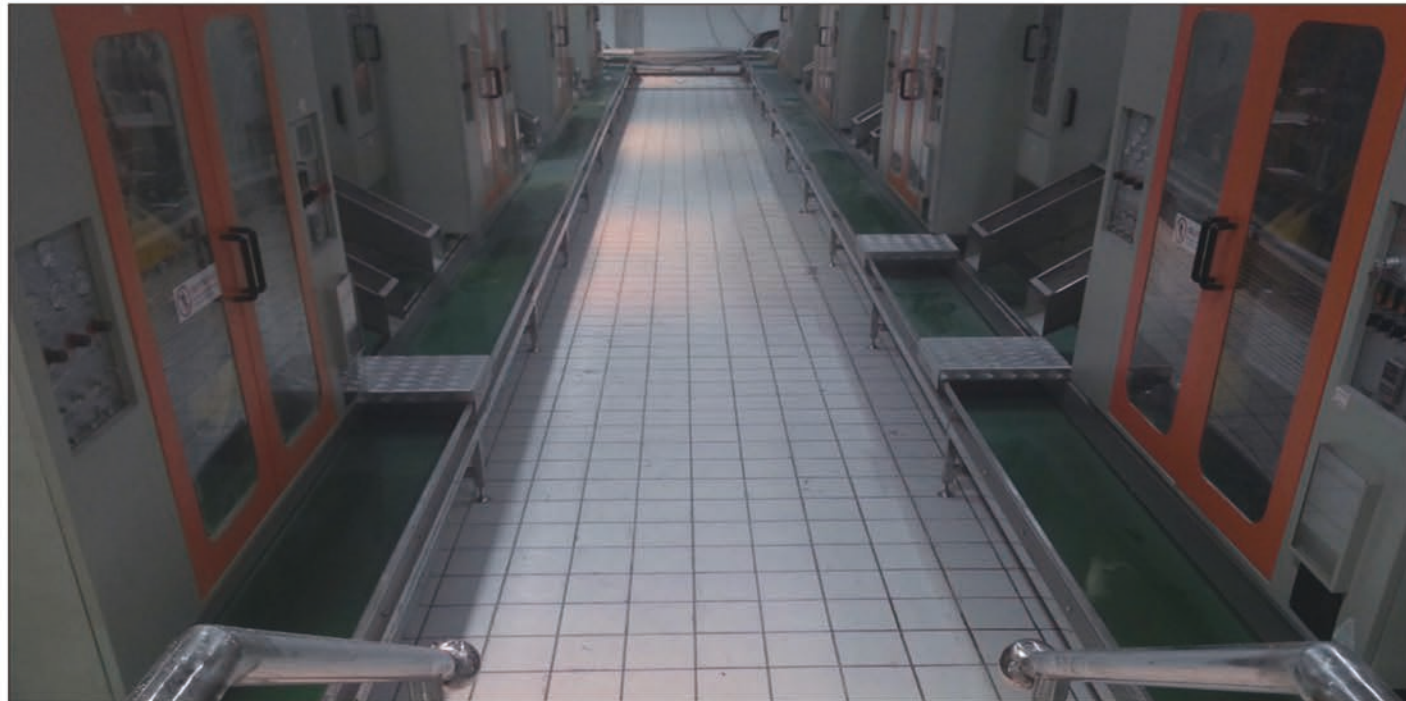
### Centralized Conveyor System for Degraded Material And Products

#### 设备特点

- ◆结构合理、维修方便、外形美观、运行可靠。

#### Equipment features

- ◆Reasonable structure, convenient maintenance, pleasant appearance, and reliable operation.



#### 设备参数

- ◆输送形式：直行式输送。
- ◆驱动的形式：电机驱动输送形式。
- ◆链板宽度：200-800mm
- ◆输送带材质：PU/PVC
- ◆线体支架：不锈钢、铝型材。
- ◆输送速度：1-50M/min;也可根据用户需要采用调速或定速。
- ◆应用范围：化工、食品、饮料等空塑料瓶及水口料输送。

#### Equipment parameters:

- ◆Conveyor form: straight type.
- ◆Driving form: motor driven conveyor.
- ◆Scraping belt width: 200-800mm.
- ◆Conveyor belt material: PU/PVC.
- ◆Line support: stainless steel, aluminum profile.
- ◆Conveyorspeed: 1-50M/min; it may also be fitted with an adjustable speed or fixed speed according to user needs.
- ◆Range of applications: chemical industry; food, beverage, and other empty plastic bottles; and degraded material transport.

## 空瓶输送缓存系统

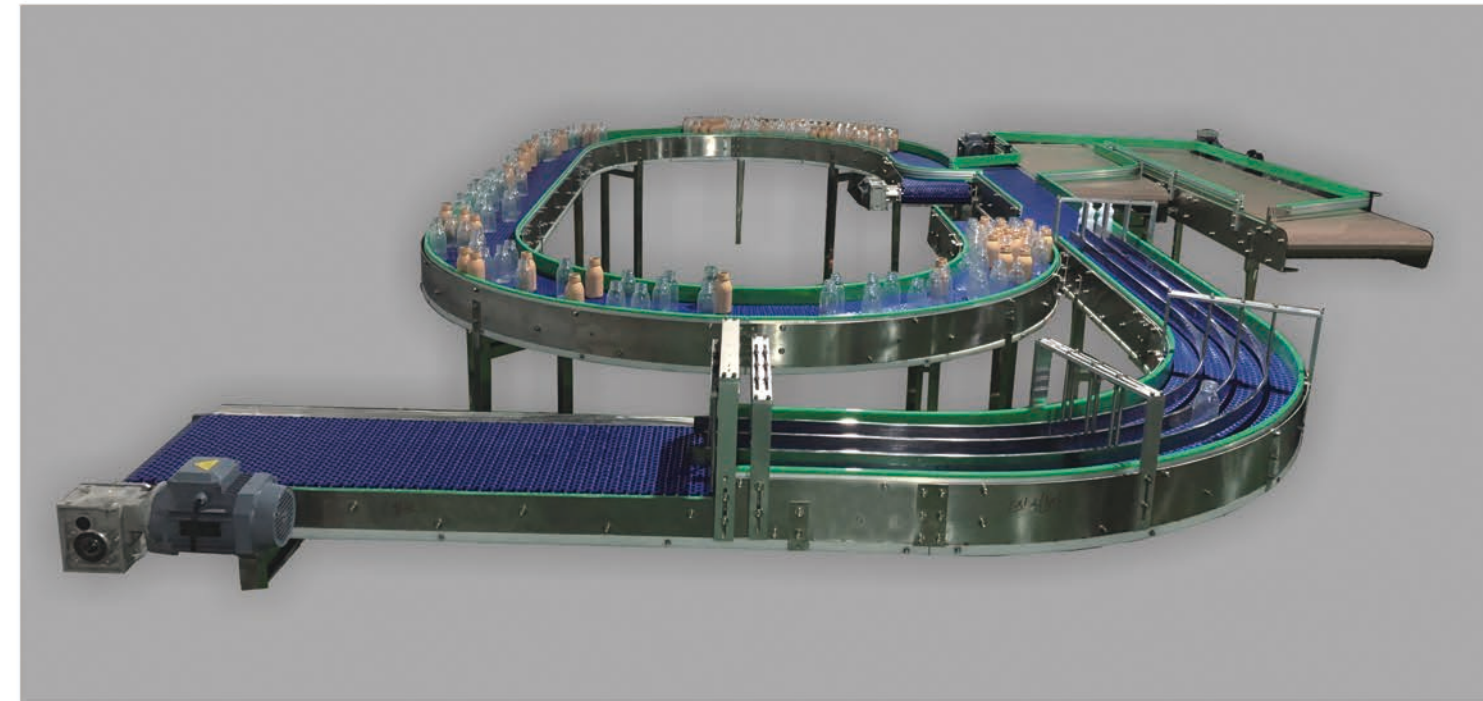
### Empty Bottle Conveying Buffer System

#### 设备特点

- ◆结构合理、维修方便、外形美观、运行可靠。

#### Equipment features

- ◆Reasonable structure, convenient maintenance, pleasant appearance, and reliable operation.



#### 设备参数

- ◆输送形式：柔性立体输送、平面输送。
- ◆驱动的形式：电机驱动输送形式。
- ◆链板宽度：45-800mm
- ◆输送带材质：POM
- ◆线体支架：不锈钢、铝型材。
- ◆输送速度：1-40M/min;也可根据用户需要采用调速或定速。
- ◆应用范围：化工、食品、饮料等空瓶及后段灌装输送缓冲集瓶。

#### Equipment parameters:

- ◆Conveyor type: flexible three-dimensional transport, plane transport.
- ◆Driving form: motor driven conveyor.
- ◆Width of scraping belt: 45-800mm.
- ◆Conveyor belt material: POM.
- ◆Line support: stainless steel, aluminum profile.
- ◆Conveyor speed: 1-40m /min; it may also be adopted with the speed adjustment or the fixed speed according to the user need.
- ◆Range of application: chemical industry, food, beverage and other empty bottles and buffer set bottle for filling and conveying in the latter part.



## 柔性输送线

### Flexible Conveyor Line

#### 设备特点

- ◆结构合理、维修方便、外形美观、运行可靠。

#### Equipment features

- ◆Reasonable structure, convenient maintenance, nice appearance and reliable operation.



#### 设备参数

- ◆输送形式：柔性立体输送、平面输送。
- ◆驱动的形式：电机驱动输送形式。
- ◆链板宽度：45-800mm
- ◆输送带材质：POM
- ◆线体支架：不锈钢、铝型材。
- ◆输送速度：1-40M/min;也可根据用户需要采用调速或定速。
- ◆应用范围：化工、食品、饮料等空瓶及后段灌装输送。

#### Equipment parameters:

- ◆Conveyor type: flexible three-dimensional transport, plane transport.
- ◆Driving form: motor driven conveyor.
- ◆Width of scraping belt: 45-800mm.
- ◆Conveyor belt material: POM.
- ◆Line support: stainless steel, aluminum profile.
- ◆Conveyor speed: 1-40m /min; it may also be adopted with the speed adjustment or the fixed speed according to the user need.
- ◆Range of applications: chemical industry; food, beverage, and other empty bottles; and filling and conveying in the latter part.

## 小型输送带

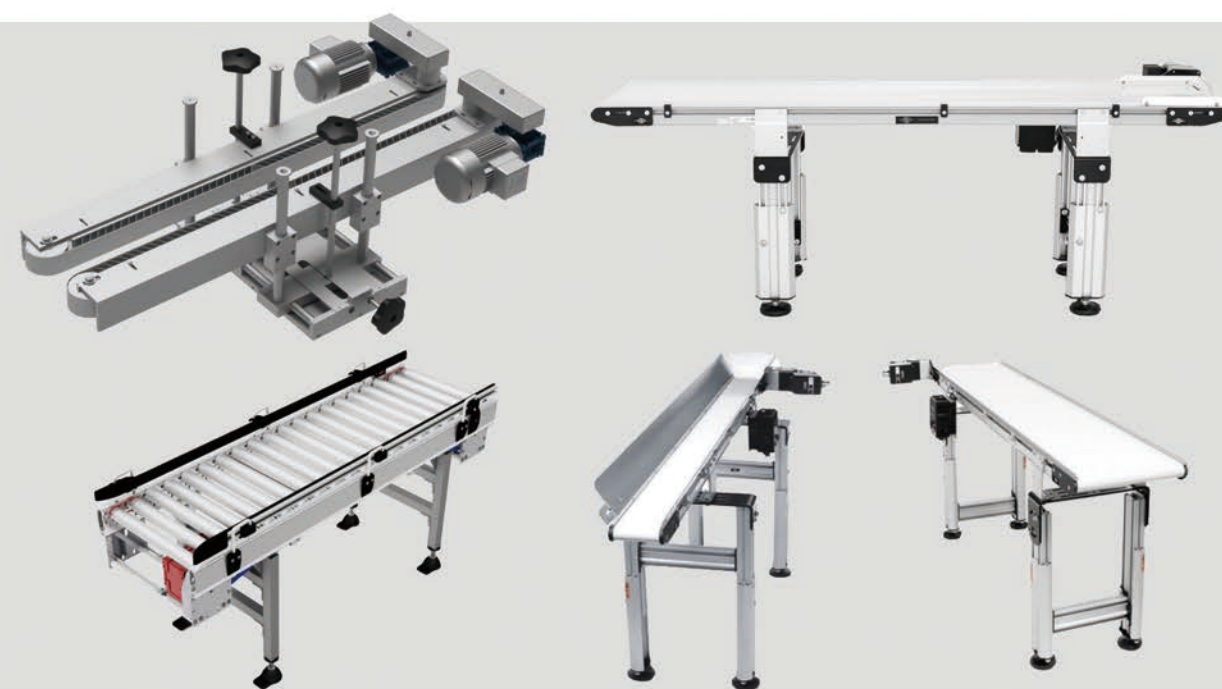
### Small conveyor belt

#### 设备特点

- ◆结构合理、维修方便、外形美观、运行可靠。

#### Equipment features

- ◆Reasonable structure, convenient maintenance, pleasant appearance and reliable operation.



#### 设备参数

- ◆输送形式：上/下坡输送、平面输送。
- ◆驱动的形式：电机驱动输送形式。
- ◆链板宽度：45-800mm
- ◆输送带材质：PU/PVC/PVK
- ◆线体支架：不锈钢、铝型材。
- ◆输送速度：1-40M/min;也可根据用户需要采用调速或定速。
- ◆应用范围：设备之间的接驳输送。

#### Equipment parameters

- ◆Conveyor type: up/down conveyor, plane transport.
- ◆Driving form: motor driven conveyor.
- ◆Width of scraping belt: 45-800mm.
- ◆Conveyor belt material: PU/PVC/PVK.
- ◆Line support: stainless steel, aluminum profile.
- ◆Conveyor speed: 1-40m /min; it may also be adopted with the speed adjustment or the fixed speed according to the user need.
- ◆Range of application: transport between equipment.