

汇杰智造  
JWELL Intelligent



管材、板材和片材等挤出线  
送料系统和智能包装设备

医疗耗材组装包装自动化生产线

Piping And Sheet Extrusion Line Feeding System  
And Intelligent Packaging Equipment

Automated Production Line For Medical Consumables  
Assembly And Packaging



JWELL<sup>®</sup>  
info@jwell.cn  
sales@jwell.cn

苏州金纬汇杰科技有限公司  
China JWELL Intelligent Technology Co., Ltd.



10+ 驻海外办事处  
Overseas offices

580+ 技术研发&工程师  
R&D Engineer

3,000+ 金纬机械员工人数  
Jwell Employee

8+ 个制造基地  
Manufacture Bases

500+ 独家专利技术  
Patents

1,000,000m<sup>2</sup>+ 工厂面积 Plant Area



80年代初

金海螺第一代螺杆研制成功

In the early 1980s, the first generation screw of JINHAI LUO was successfully developed

1997

上海金纬机械

Shanghai JWELL Machinery

2008

苏州金纬机械

Suzhou JWELL Machinery

2012

常州金纬机械

Changzhou JWELL Machinery

2018

贝克威尔(泰国)

Bkwell (Thailand)

2019

浙江金纬智能装备

Zhejiang JWELL Machinery

2020

金纬公司业绩突破50亿人民币

Jwell's annual sales exceeded CNY 5 billion

2021

滁州金纬机械

Chuzhou JWELL Machinery

2024

连续13年荣获中国塑料机械挤出行业排名首位

Ranked first in China's plastic machinery extrusion industry for 13 consecutive years

Intelligent  
Manufacturing

## JWELL TECHNOLOGY CHINA INTELLIGENT

### 汇杰科技 中国智造

金纬品牌创立于1997，总部位于上海，在上海、舟山、苏州、溧阳、海宁、泰国设立生产基地，苏州金纬汇杰科技有限公司是金纬机械旗下智能成套非标自动化设备制造商，通过技术创新，资源整合，充分结合工业智能制造发展之需要，聚焦行业发展痛点，深耕自动化领域，为客户提供专业的塑料制品生产线辅助设备和非标自动化解决方案。

汇杰不断创新发展，与时俱进，为许多优秀企业提供了叠代的先进智能设备，数据采集MES系统的应用为客户打造工业4.0智能化工厂奠定基础。

目前认证：

ISO9001质量体系认证

ISO环境管理体系认证

OHSAS1800职业健康安全体系认证

与华东理工大学、北京化工大学全方位合作，为企业人才培养、引进，技术积累和不断提升奠定了基石。

服务于市政工程、建筑、化工、润滑油、食品、饮料等行业。

Jwell brand was founded in 1997, the headquarters is located in Shanghai, in Shanghai, ZhouShan, SuZhou, LiYang, HaiNing, Thailand set up a production base, SuZhou Jwell technology co., LTD. is a subsidiary of Jwell machinery intelligent complete sets of non-standard automation equipment manufacturers, through technological innovation, resource integration, fully combine the requirements of the development of the industrial intelligent manufacturing and pain points focus on industry development, Deep in the field of automation, to provide customers with professional plastic products production line auxiliary equipment and non-standard automation solutions.

With continuous innovation and development, Jwell keeps pace with The Times and provides many excellent enterprises with advanced intelligent equipment of repeated generations. The application of MES system of data acquisition lays a foundation for customers to build industry 4.0 intelligent factories.

Current certification:

ISO9001 Quality system certification

ISO environmental management system certification

OHSAS1800 occupational health and safety system certification

Service in municipal engineering, construction, chemical, lubricating oil, food, beverage and other industries.

扫码看视频  
Scan the code to  
watch the video






精密加工车间 Precision machining



# Pipe Double Station Winding Machine

管材双工位收卷机



-  排管规整、密实  
The row pipe is neat and dense
-  打包位置精准、捆扎力强  
Precise packing position, strong binding force
-  算法升级、操作便捷、安全高效  
Algorithm upgrade, convenient operation, safe and efficient

## 技术参数 Technical parameter

适用材质	PE、PERT、滴灌管、单壁波纹管等
Suitable material	PE, PERT, drip irrigation pipe, single wall bellows, etc
适用规格	16-32mm
Suitable specification	
收卷内径	400-600mm
Winding diameter	
收卷宽度	180-500mm
Winding width	
线速度	Max 50m/min
Line speed	
打包带材质	兼容PP/PET塑钢带
Packing tape material	Compatible with PP/PET plastic steel belt

备注：以上规格参数如有变更，恕不另行通知。 Mote: The specifications are subject to change without prior notice.



## 选配功能块 Optional function block

自动缠膜  
自动贴标  
Automatic wrap film  
Automatic labeling

自动称重  
自动取样  
Automatic weighing  
Automatic sampling

自动码垛  
自动输送  
Automatic pallet  
Automatic transmission

远程诊断  
电子看板  
Remote diagnosis  
Electronic bulletin board

质量溯源  
报表打印  
Quality traceability  
Excel print

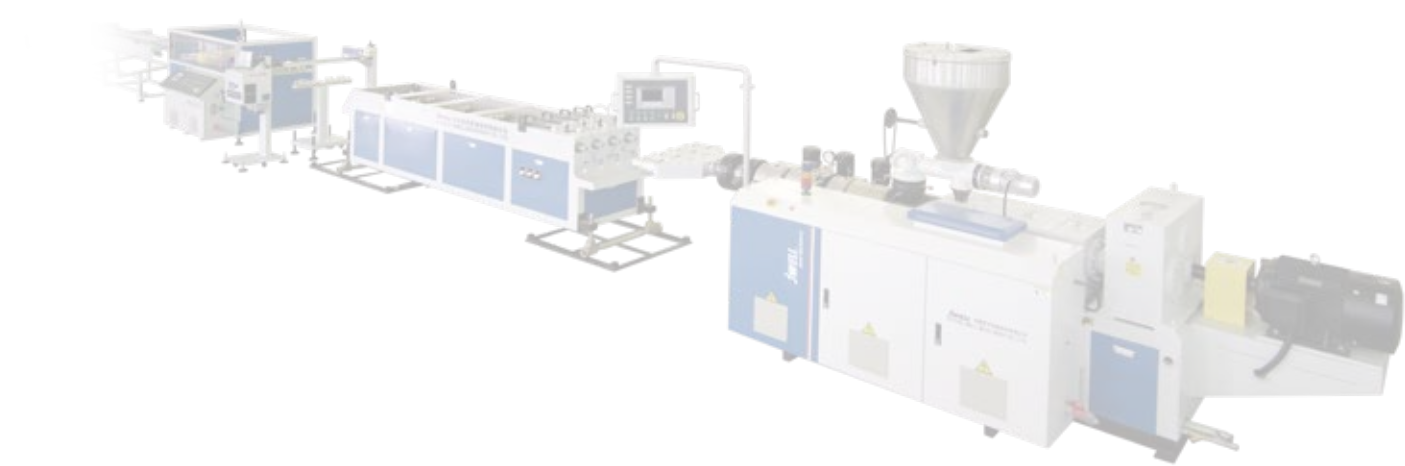
# Pvc Line Pipe Automatic Strapping Bagging Packaging Machine

PVC线管自动捆扎套袋包装机

技术参数 Technical parameter

封口方式	1、PE袋两端加热封口或PE袋两端缠透明胶带封口
Sealing method	1. Heat sealing at both ends of the PE bag or wrap transparent tape on both ends of the PE bag for sealing 2.Wrap transparent tape on both ends of the woven bag for sealing or sewing and sealing on both ends of the woven bag
包装管径范围	Φ1 6mm~ Φ 63mm
Packing pipe diameter range	
包装管材长度	2.6m~6m
Packaging tube length:	
包装周期	加热封口55秒/包、缠透明胶带封口55秒/包、缝纫封口120秒/包
Packaging cycle	heating and sealing 55 seconds/pack, wrapping transparent tape for 55 seconds/ pack, sewing and sealing 120 seconds/pack

备注：以上规格参数如有变更，恕不另行通知。Note: The specifications are subject to change without prior notice.





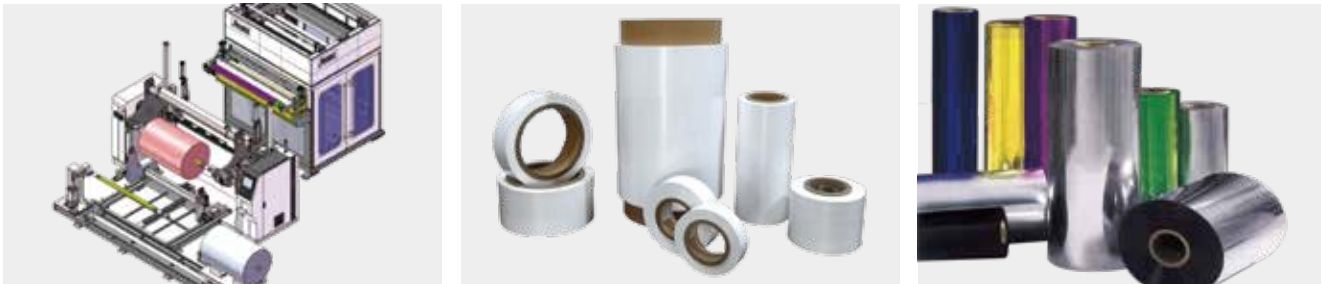
Automatic Winder

全自动收卷机



应用于胶膜类在线收卷，如EVA、TPU、TPO、POE等，操作简单，图形化导向，报警提示，维护便捷。具有如下功能：  
Applied to film online winding, such as EVA, TPU, TPO, POE, etc., simple operation, graphical guidance, alarm warning, convenient maintenance. It has the following functions:

自动储料	Automatic storage
自动切割	Automatic cutting
自动卸卷	Automatic unwinding
自动上轴	Automatic winding
中心/摩擦收卷可选	Center/friction winding optional
宽幅：800-3600mm	Width: 800-3600mm
线速度：≤50m/min	Line speed: ≤50m/min

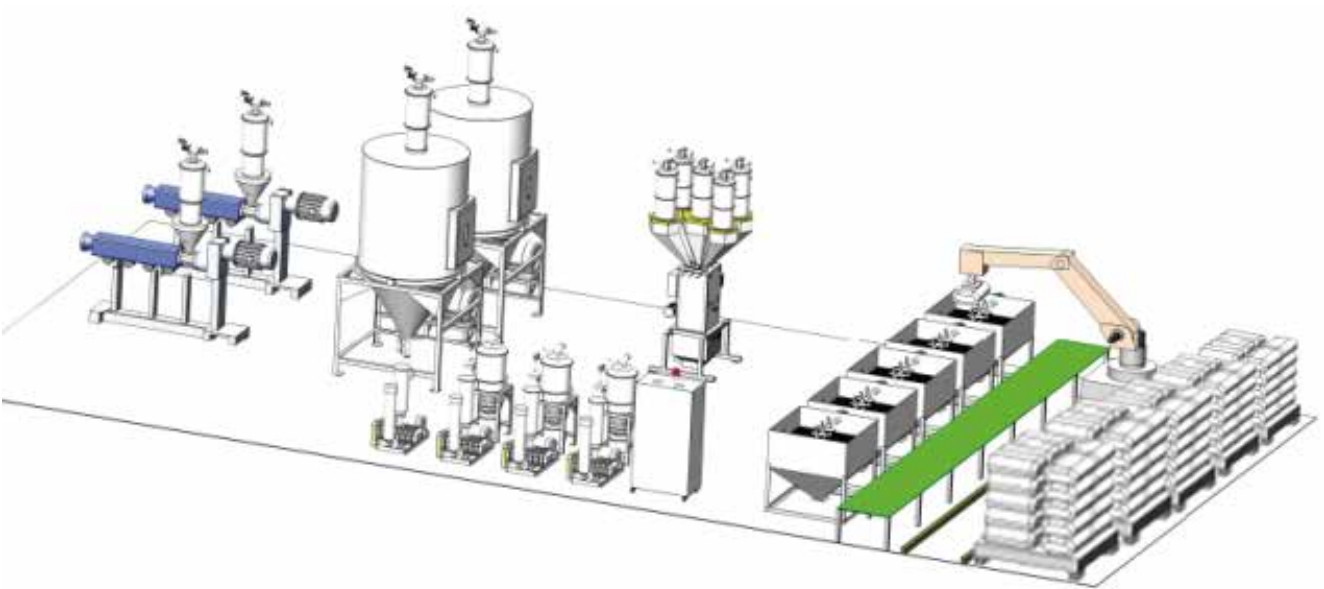


应用于胶片类、覆合类在线收卷，如PET、PP、PS等，操作简单，图形化导向，报警提示，维护便捷。具有如下功能：  
Applied to film, overlay type online winding, such as PET, PP, PS, etc., simple operation, graphical guidance, alarm warning, convenient maintenance. It has the following functions:

自动储料	Automatic storage
自动切割	Automatic cutting
自动卸卷	Automatic unwinding
自动上轴	Automatic winding
宽幅：800-2400mm	Width: 800-2400mm
线速度：≤150m/min	Line speed: ≤150m/min

Robot Breaking And Feeding System

机器人破包上料系统



工艺流程 Technological process



机器人根据料仓缺料信息自动定位对应位置，可在直线导轨上自由运动，使用视觉技术智能识别托盘物料，引导机械臂依次对每一袋物料进行自动抓取，低噪鼓风机使物料袋牢靠的吸附在高强力吸盘上，根据预定路径平滑地投放到料仓中完成自动投料；抓取完的空料袋通过输送系统进行自动回收。

Robot according to automatically locate the corresponding position, bin lack of material information can be freedom movement in linear guide, using the visual technology of intelligent recognition tray material, guide the robot arm in order to automatically grab each bag material, low noise fan bag of material solid adsorption on high strength sucker, according to the scheduled path smoothly into the bunker in the complete automatic feeding; The empty material bag can be recovered automatically through the conveying system.

特点 Characteristic

- ◎自动识别缺料位置
- ◎托盘无料包报警提醒
- ◎抓取过程中掉包提醒
- ◎机器人一键原点复位
- ◎空料袋残留量小
- ◎空料包可自动回收到指定位置
- ◎Automatic identification of missing material position
- ◎Tray no material bag alarm reminder
- ◎Reminder of packet switching in the process of fetching
- ◎One-key origin reset of the robot
- ◎Empty bag residue is small
- ◎Empty material bag can be automatically recycled to the designated position

技术参数 Technical parameter

机器人工位 Robot station	机器人轴数 Robot axes	机器人负载 Robot load	工作半径 Working radius	产量 Output	残留量 Residual quantity
1	4-6	50Kg	2140mm	1.5t/h	< 0.02%
3-5	4-6	120Kg	2400mm	1.4t/h	< 0.02%

备注：以上规格参数如有变更，恕不另行通知。Mote: The specifications are subject to change without prior notice.



# Whole Layer Feeding System

整层破包上料机

- 整层破包，效率高，最大可达600包小时
- 托盘滚轮输送，可同时摆放4个物料托
- 托盘可自动收集
- 安全与光栅防护护栏，符合CE标准
- 仿生钢质手抓，不掉包
- 高速耐磨滚刀
- 物料袋防掉落震动格栅
- 残留颗粒低于千分之一
- Whole layer breaking, high efficiency, up to 600bags/hour.
- Tray roller conveying, can be placed at the same time 4 material carrier.
- Trays can be collected automatically.
- Safety and grating protection guardrail, CE standard.
- Bionic steel hand grasp, do not replace.
- High speed wear resistant hob.
- Material bag anti drop vibration grille.
- Residual particles are less than 1/1000.

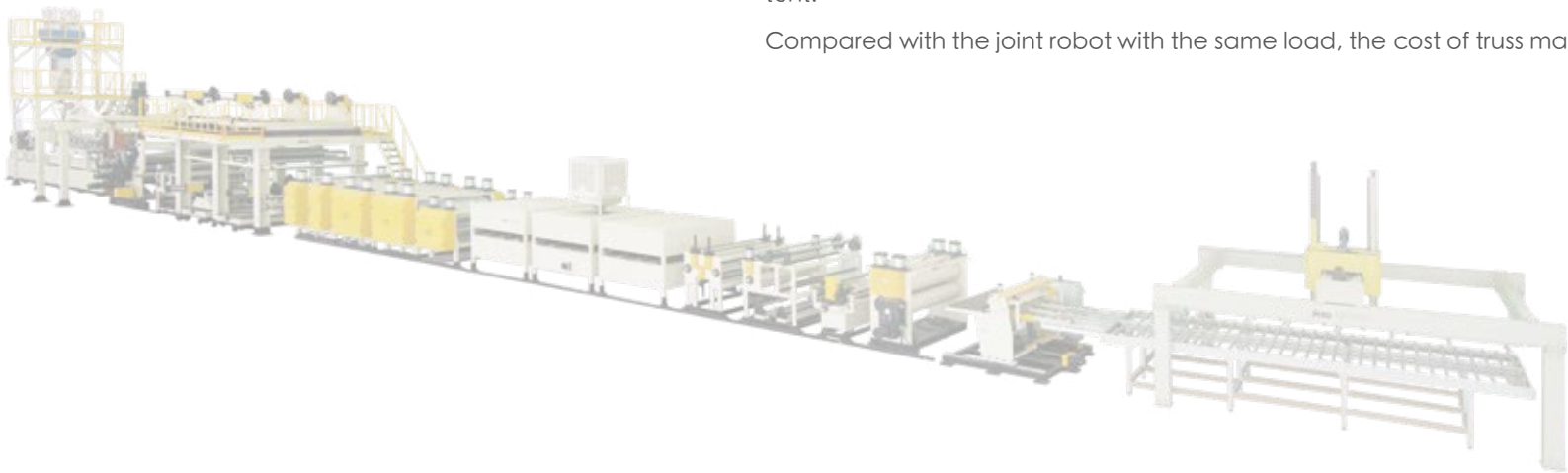
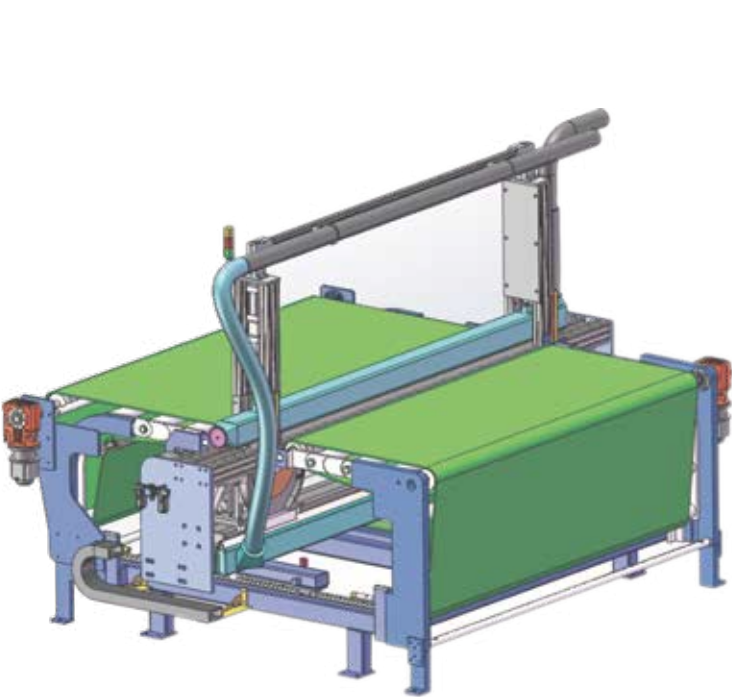


# Cutting System

## 切割系统

适用于PC、PMMA、PP、PE板材生产线，特殊的锯片结构，风道设计以及纵向移动机构可以使板材表面吸附的锯屑降到最低，切割精度可以达到±1mm。  
此横切机满足高档PC、PMMA板材切割要求，制品可以直接用于面板显示类产品，配合净化车间效果更佳。

Suitable for PC, PMMA, PP, PE plate production line, special saw blade structure, air channel design and vertical movement mechanism can make the plate surface adsorption sawdust to the minimum, cutting accuracy can reach ±1mm.  
The crosscutting machine can meet the requirements of high-grade PC and PMMA plate cutting, the products can be directly used for panel display products, and the effect is better with the purification workshop.



技术参数 Technical parameter

制品宽幅	制品厚度	除尘方式	控制算法	切割精度
Products wide	Products thickness	Dusting method	Control algorithm	Cutting accuracy
1220-2440mm	1-18mm	脉冲式 Impulse type	凸轮控制 Cam control	±1mm

备注：以上规格参数如有变更，恕不另行通知。 Mote: The specifications are subject to change without prior notice.

# Truss Manipulator

## 码垛机械手

整体强度高，不易振动摇晃。直线导轨和齿轮齿条运动机构，承载能力强，运行平稳。  
安装调整要求低，相比于繁杂的关节机器人，结构设计便于人员理解、操作简单、维护方便。  
精度高，会实时检测机械手控制系统发出指令和实际位置是否一致。  
性价比高，相对于同等负重的关节机器人，桁架机械手的造价成本更低。

High overall strength, not easy to shake vibration. Linear guide rail and rack and pinion motion mechanism, strong bearing capacity, excellent rigidity.  
The installation and adjustment requirements are low, compared with the complex joint robot, the structure design is easy to understand, simple operation, convenient maintenance.  
High precision, real-time detection manipulator control system issued instructions and the actual position is consistent.  
Compared with the joint robot with the same load, the cost of truss manipulator is lower.





# Smart Factory

智慧工厂



- 现场大屏幕电子看板可以直接看到当前生产线
- 运行状态
  - 单位能耗
  - 各电机负载率
  - 良品率
  - 运行时间
  - 排班计划
  - 故障预警
  - 生产计划等重要数据
- On-site large screen electronic kanban can directly view the current production line
- Running state
  - Unit energy consumption
  - Load rate of each motor
  - The yield
  - The elapsed time
  - Scheduling plan
  - Fault early warning
  - Production plan and other important data

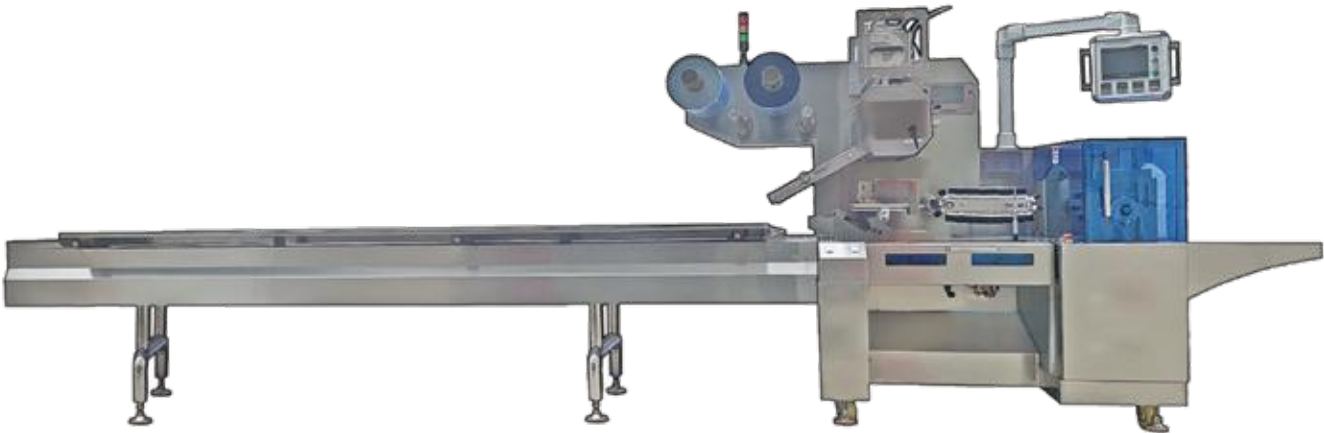


# Medical Consumables Packaging Production Line

## 医疗耗材包装生产线

采用高速PLC处理器，高精度温度模块、伺服电机、精致版人机界面控制，设备运行高度自动化，功能齐全、扩展空间大，可按用户要求加配定制特殊装置。适用于一次性使用的咽拭子、口罩、注射器、输液器、输液管、纱布等的纸塑或塑塑吸塑包装。可选配在线批号条码打印机、自动加料器、在线柔版印刷器、视觉检测系统。

High speed PLC processor, high precision temperature module, servo motor, refined man-machine interface control, equipment operation is highly automated, complete functions, large expansion space, can be Add customized special devices according to user requirements. Paper plastic or plastic blister bag suitable for one-time use of throat swabs, masks, syringes, infusion sets, infusion tubes, gauze, etc Pretend. Optional online batch barcode printer, automatic feeder, online flexographic printer, visual inspection system.



### 技术参数 Technical parameter

型号	封装膜宽度	产量	机器尺寸	整机重量
Model	Film width	Output	Machine size	Equipment weight
HJ-420	≤435mm	300-400包/分钟 Packages/min	6500×1100×1820	1600Kg

备注：以上规格参数如有变更，恕不另行通知。Mote: The specifications are subject to change without prior notice.

# Standard Urine Bag Drainage Bag Fully Automatic Production Line

## 尿袋引流袋全自动生产线标准版

该生产线是我公司研发的标准型设备，适合目前市面上各种尿袋、引流袋、腿袋、喂食袋、营养袋等袋体的生产加工，可以实现袋类产品的进液管、进液止回膜、排液管的自动上料焊接，设备经过多年的沉淀积累，稳定性高，生产产品质量可靠。

This production line is a standard equipment developed by our company, suitable for the production and processing of various urine bags, drainage bags, leg bags, feeding bags, nutrition bags and other bags on the market. It can achieve automatic feeding and welding of bag products' inlet pipes, inlet check films, and discharge pipes. After years of operation, the equipment has high stability and reliable product quality.





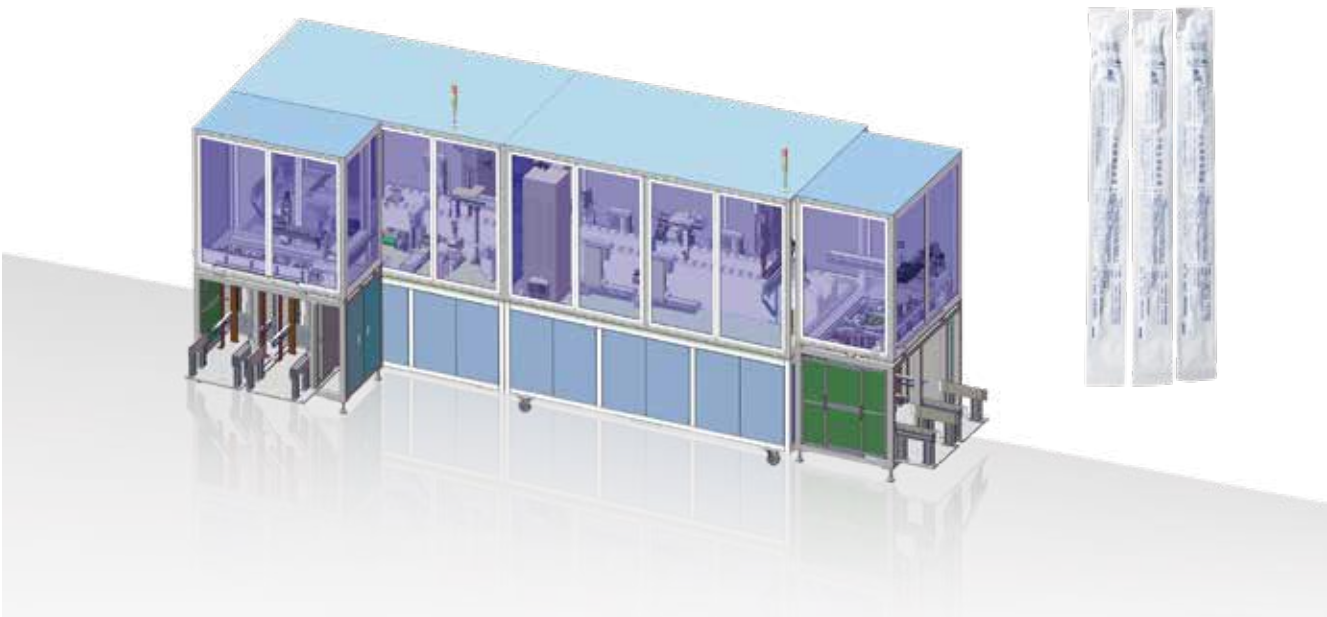
# Conduit Assembly Production Line

导管组装生产线

传统医疗导管接头装配及包装在人工操作过程中，不仅需要大量劳动力，而且生产过程中污染风险大，品质难以保证，生产效率低下，已经无法适应当今医用耗材市场发展的趋势。金纬医疗导管装配包装生产线切入传统行业痛点，提高生产效率，降低人工成本。主要包括送料，定长，涂胶，装配，卷绕，套袋，塑封等流程。含有定位抓取，视觉检测，次品剔除等关键部位，具有质量溯源，能效分析，看板显示，远程操作等功能，可对接ERP、MES等系统。适用于：引流管，吸引管，吸氧管，输液管等。

The assembly and packaging of traditional medical catheter joints not only require a large amount of labor during manual operations, but also pose a high risk of pollution during the production process, making it difficult to ensure quality and low production efficiency, making it difficult to adapt to the current trend of medical consumables market development. The Jinwei medical catheter assembly and packaging production line cuts into the pain points of traditional industries, improves production efficiency, and reduces labor costs. This mainly includes processes such as feeding, length setting, gluing, assembly, winding, bagging, and plastic sealing. It includes key parts such as positioning and grasping, visual inspection, and defect removal. It has functions such as quality traceability, energy efficiency analysis, signage display, remote operation, and can be connected to ERP, MES, and other systems. Suitable for: drainage tubes, suction tubes, oxygen tubes, infusion tubes, etc.

## 工艺流程 PROCESS FLOW >>>



# Medical Consumables Automatic Assembly and Inspection Production Line

耗材自动化装配检测生产线

用于胰岛素注射针、留置针、穿刺针、采血针、血液透析器等一次性医用耗材的自动化组装及检测。Automatic assembly and testing for disposable medical consumables such as Insulin Injection Needles, Indwelling Needles, Puncture Needles, Blood Collection Needles, Hemodialyzers and so on.

- ◎精准定位抓取 Precise Positioning and Grabbing
- ◎装配 Assembly
- ◎测试 Testing
- ◎视觉检测 Visual Inspection
- ◎包装 Packaging

高度自动化、高效率，通过精密的机械结构和特殊的工艺流程设计，实现了生产过程的全自动化，极大地提升了生产效率，节省大量的人力成本，保证成品的高品质和高度的洁净标准；模块化设计，根据客户的生产环境进行布局安装，降低维修保养难度；智能化，支持选装智能检测模块、物联网模块、数据采集模块，实时数据采集，系统集成数据采集模块，在终端形成数据图表，助力实现智能制造。

High automation and high efficiency, through the precise mechanical structure and special process design, the full automation of the production process is realized, which greatly improves the production efficiency, saves a lot of labor costs, and ensures the higher quality and higher cleanliness standard of the finished products. Modular design, layout and installation according to customer's production environment, reduce maintenance difficulty. Intelligent, support optional of Intelligent Detection Module, Internet of Things Module, Data Acquisition Module, Real-time Data Acquisition, System Integration Data Acquisition Module, to form data chart at the terminal, and to help realize intelligent manufacturing.



# Fully Automatic Paper Mold Truss Tableware Machine

全自动纸模桁架式餐具机

- ◎适用产品范围:纸浆模塑餐具类
- ◎功能: 成定型、转移、切边、堆叠输送一体完成。
- ◎成型方式: 捞浆
- ◎版面大小: 950mm\*950mm (或1100mm\* 1100mm)
- ◎加热方式: 导热油或电加热
- ◎定型机最大增压压力: 气液增压40吨
- ◎切边机压力: 60吨
- ◎产品转移方式: 桁架机械手模外转移
- ◎生产产品最大高度: 80mm

- ◎Applicable product range: Pulp molded tableware category
- ◎Function: Integrated completion of shaping, transfer, trimming, stacking and conveying.
- ◎Forming method: salvaging slurry
- ◎Page size: 950mm \* 950mm (or 1100mm \* 1100mm)
- ◎Heating method: thermal oil or electric heating
- ◎Maximum boosting pressure of the molding machine: gas-liquid boosting of 40 tons
- ◎Edge cutting machine pressure: 60 tons
- ◎Product transfer method: truss mechanical arm external transfer
- ◎Maximum height of production product: 80mm



全伺服控制  
Full servo control



操作简单，能耗低  
Easy to operate,  
low energy consumption



投资成本低  
Low investment cost



- ◎适用产品范围:纸浆模塑餐具类
- ◎功能: 成定型、转移、切边、堆叠输送一体完成。
- ◎成型方式: 捞浆
- ◎版面大小: 950mm\*950mm (或1100mm\* 1100mm)
- ◎加热方式: 导热油或电加热
- ◎定型机最大增压压力: 气液增压40吨
- ◎切边机压力: 60吨
- ◎产品转移方式: 六轴机器人模外转移
- ◎生产产品最大高度: 80mm

- ◎Applicable product range: Pulp molded tableware category
- ◎Function: Integrated completion of shaping, transfer, trimming, stacking and conveying.
- ◎Forming method: salvaging slurry
- ◎Page size: 950mm \* 950mm (or 1100mm \* 1100mm)
- ◎Heating method: thermal oil or electric heating
- ◎Maximum boosting pressure of the molding machine: gas-liquid boosting of 40 tons
- ◎Edge cutting machine pressure: 60 tons
- ◎Product transfer method: Six axis robot out of mold transfer
- ◎Maximum height of production product: 80mm



进口机器人操作更灵活  
More flexible operation  
of imported robots



安装定位简单  
Easy installation and positioning



单模周期更短  
Shorter single-mode cycle





# Hollow blow molding automatic line - auxiliary equipment solutions

中空吹塑自动线--辅助设备解决方案



吹塑模内贴标机-1  
Blow molding internal labeling machine -1



吹塑模内贴标机-2  
Blow molding internal labeling machine -2



称重机  
weighing machine



视觉检测机  
Visual inspection machine



测漏/称重/视觉组合机  
Leak detection/weighing/vision combined machine



半自动测漏机  
Semi-automatic leak detector



自动测漏机-1  
Automatic leak detector -1



自动测漏机-2  
Automatic leak detector -2



8头自动测漏机  
8 head automatic leak detection machine



伺服移动自动测漏机  
Servo moving automatic leak detection machine



磨口机  
Grinding machine



套袋打包机-1  
Bagging machine -1



套袋打包机-2  
Bagging machine -2



自动制袋打包机  
Automatic bag packer



半自动码垛机  
Semi-automatic palletizing machine



自动码垛机  
Automatic palletizer

# Labeling machine class

贴标机类

## 不干胶贴标机 Adhesive label machine



平面贴标  
Plane label



圆瓶贴标  
Round bottle labeling



防伪签贴标  
Anti-counterfeiting label



双面立式贴标  
Double-sided vertical labeling

## PET/注塑-模内贴标机 PET/Injection -IML machine



半自动模内贴标  
Semi -automatic IML



半自动双腔模内贴标  
Semi -automatic dual cavity



自动4腔模内贴标  
Automatic 4 cavity IML



4腔注塑模内贴标  
4 cavity round bottle injection molding IML

## 注吹-模内贴标机 Injection molding -IML Machine



14腔贴标  
14 cavity stickers



4腔贴标  
4 cavity stickers



6腔贴标  
6 cavity stickers