



**HANJIANG 韩江**



**HANJIANG** 北京韩江自动化玻璃机械设备有限公司  
BEIJING HANJIANG AUTOMATIC GLASS MACHINE EQUIPMENTS CO.,LTD

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特别提示: 产品图片仅供参考, 以实物为准

**INNOVATION · QUALITY · COOPERATION**

铸造品质 合作共赢

## COMPANY PROFILE

### 公司简介

北京韩江自动化玻璃机械设备有限公司是专业研制、开发和生产自动化玻璃机械设备的企业，产品自投放市场以来深受国内外玻璃深加工企业的青睐。公司成立以来，先后获得北京市质量技术监督局颁发的产品标准证书，民营科技企业证书，北京市高新技术企业证书，北京知名品牌，通过ISO9001-2000国际质量管理体系认证，是中国建筑玻璃与工业玻璃协会机械装备委员会常务理事单位，产品通过欧洲CE认证，经协会专家评审系列产品为行业监制产品。



主要产品有：2000~9000系列自动化中空玻璃生产线，超级间隔条码放机，自动开合玻璃清洗机，立式玻璃清洗机，立式玻璃自动磨边机，卧式玻璃自动磨边机，玻璃自动上片机，Low-E玻璃除膜机，中空玻璃自动打胶机，铝条框自动折弯机，分子筛自动灌装机，双组分打胶机，丁基胶涂布机，90°度转角台，180°Low-E玻璃翻面台，铝条切割机，铝条框移送机，液压升降机，砂带磨边机，密封旋转工作台，胶枪冷冻机等。并荣获29项国家专利证书。

作为自动化玻璃机械设备的专业制造商，公司将产品质量视为企业的生命。以先进的技术，优质的产品，诚信的服务为海内外玻璃深加工企业提供极致的便利。

Beijing Hanjiang Automatic Glass Machine Equipments Co., Ltd. Specializes in design, development and production of automatic glass machine. Since promoted to the market, its products are warmly received by the domestic and overseas customers. We were granted product standard registered enterprise and science and technology enterprise and high technology enterprise titles and Beijing well-known brand. Hanjiang has passed the ISO-9001-2000 international quality management system certification and obtained permanent council member of China Construction Glass and Industrial Glass Association Committee. Its products passed European CE certification.

Major products: 2000~9000 series Automatic Insulating Glass Production Line, Flexible Spacer Applicator, Vertical Washing Machine, Vertical Glass Seaming Machine, Horizontal Glass Seaming Machine, Automatic Glass Loading Machine, Low-E Glass Film Removing Machine, Insulating Glass Sealing Robot, Automatic Spacer Bending Machine, Desiccant Automatic Filling Machine, Two Component Sealants Extruder, Automatic Butyl Extruder, 90° turning Table, 180° Turning Table, Spacer Cutter, Spacer Moving Machine, Hydraulic Elevator, Belt Cross Grinding Machine, Rotating Table, Mixing Gun Freezer etc. Hanjiang won 29 national patent certificates.

As a glass machinery manufacturer, we devote ourselves to products quality. Our advanced technology, high quality products and reliable service bring glass maker much convenience.

总经理  
General Manager

## TECHNOLOGICAL PROCESS OF PRODUCTION

### 生产工艺流程图



#### Material inspection

Inspect the specification, size, material and appearance of raw materials.



#### 材料检验

对原材料的规格、尺寸、材质、外观进行检验。

#### Cover sheet processing

Loading in drawings, CNC laser cutting, automatic CNC bending to achieve high precise cover sheet processing.



#### 钣金加工

导入图纸，采用激光切割、自动折弯实现精准钣金加工。

#### Machine tool processing

Machining materials through turning, milling, planing, grinding, boring and other processes.



#### 机床加工

通过车、铣、刨、磨、镗等工序对材料进行机加工。

#### Material welding

Ensure no leakage point, no deformation, frame structure stress release.

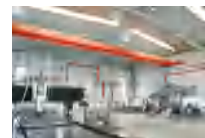


#### 材料焊接

确保焊件无漏点，无变形，框架结构应力释放。

#### Gantry processing

Finish milling the five sides of the core frame at one time.



#### 龙门加工

对核心机架五面精铣，一次完成。

#### Fluorocarbon spraying

For welding components and sheet metal rust removal, electrostatic spraying, high temperature solidification of powder to improve coating adhesion.

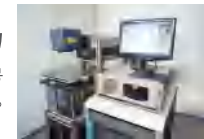


#### 氟碳喷涂

对焊接组件及钣金进行除锈、静电喷涂，使粉末高温固化提高涂层附着力。

#### 激光打标

精密零部件及设备编号激光打标，可追溯跟踪管理。



#### Laser coding

Precision parts and equipment number adopt laser coding, traceability and tracking management.

#### 机械组装

对零部件按照装配要求进行组装。



#### Mechanical assembly

Assemble parts 100% according to Hanjiang mechanical drawings and assembly requirements.

#### 电器组装

按电路图配盘、接线、安装电器配件。



#### Electrical assembly

According to the circuit diagram distribution, wiring, installation of electrical accessories.

#### 产品调试

对照电路图检查信号点，按工艺流程逐一检验设备动作指令。

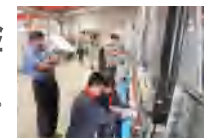


#### Product commissioning

Check the signal points against the circuit diagram and check the equipment action instructions one by one according to the process flow.

#### 成品检验

对产品外观、功能进行检验，确保符合出厂标准。



#### Strict inspection

Inspect the appearance and function of products to ensure compliance with factory standards.

#### 包装发货

按照公司制定的国内外包装运输标准完成交付。



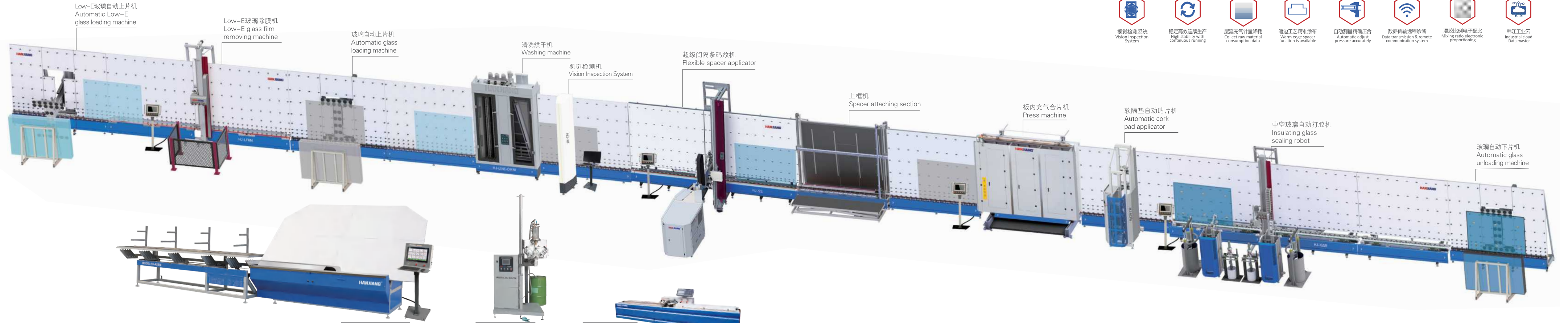
#### Packing and delivery

Wooden box and aluminum film packing makes HANJIANG packing very safe and firm.

# Intelligent Unit of Automatic Insulating Glass Production



## 中空玻璃自动化生产智能单元

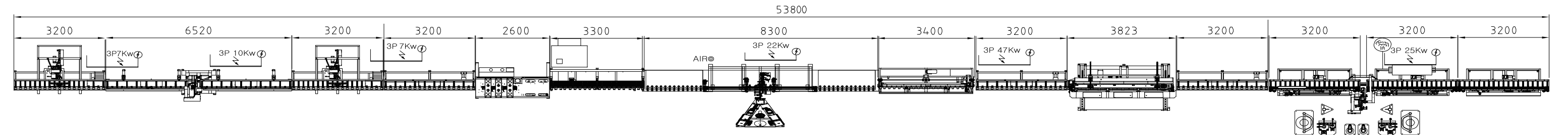


- 视觉检测系统 Vision Inspection System
- 稳定高效连续生产 High stability with continuous running
- 层流充气计量降耗 Collect raw material consumption data
- 暖边工艺精准涂布 Warm edge spacer function is available
- 自动测量精确压合 Automatic adjust pressure accurately
- 数据传输远程诊断 Data transmission & remote communication system
- 混胶比例电子配比 Mixing ratio electronic proportioning
- 韩江工业云 Industrial cloud Data master

HANJIANG combines mechanical and software to bring you —“the IG lines only design for your needs”

韩江结合硬件及软件为您带来“专属您的中空玻璃生产线”

As per customer's requirements, HANJIANG will provide the most suitable and effective configuration and technical support for IGU production. More customized services are available in HANJIANG. 韩江公司根据客户需求，提供匹配、高效的设备购置方案和技术支持，并可为用户提供个性化定制服务。



## Customized production 定制产品

### 定制生产线选型参考

- 加工超薄玻璃，可定制具有开合清洗及承重传送功能自动化生产线。
- 加工超大充气/非充气中空玻璃，可定制适合的多板压联动功能自动化生产线。
- 加工冰箱、冰柜玻璃门或固定尺寸家电中空玻璃，可定制双工位快速自动化生产线。
- 如场地长度受限，可定制90°转角功能自动化生产线。
- 自由转换Low-E面，可定制180°Low-E玻璃翻面功能自动化生产线。

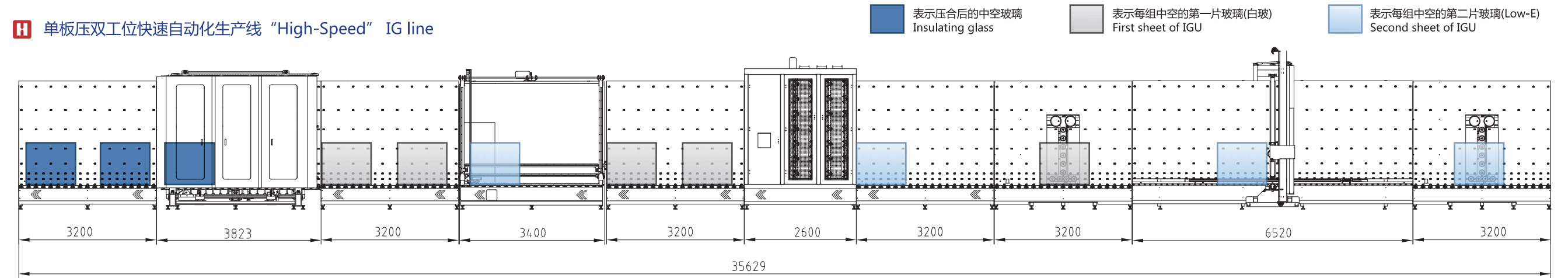
### Customized Products

- Can customize glass washing machine to process over-thick and over-weight glass.
- Can customize "Tandem Press Series" to process jumbo IG with/without gas filling, meanwhile will not affect the efficiency of small IG production.
- Can customize "High-Speed" IG line with double working position to process some small size of IG such as metro glass or home appliance glass, etc.
- Can customize IG line layout of L or U shape with 90° turning table, if the length for IG line is limited in your factory.
- Can insert 180° turning table in the IG line to turn over Low-E coating side.

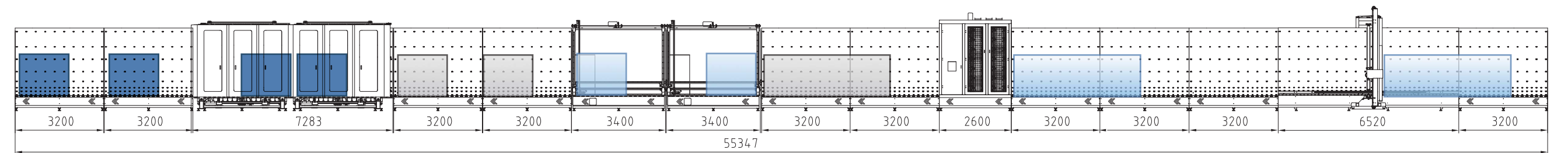
### 定制产品规格 Specification of the Customized Products

系列 Series	单板压 Single Chamber	双板压 Double Chambers	三板压 Triple Chambers
	最大加工玻璃尺寸 Max Glass Size	最大加工玻璃尺寸 Max Glass Size	最大加工玻璃尺寸 Max Glass Size
2500 系列 2500 Series	-	2500×6000mm	2500×9000mm
	2500×3600mm	2500×7000mm	-
	2500×4000mm	2500×8000mm	2500×12000mm
2800 系列 2800 Series	2800×3000mm	2800×6000mm	2800×9000mm
	2800×3600mm	2800×7000mm	-
	2800×4000mm	2800×8000mm	2800×12000mm
3000 系列 3000 Series	3000×3000mm	3000×6000mm	3000×9000mm
	3000×3600mm	3000×7000mm	-
	3000×4000mm	3000×8000mm	3000×12000mm
3300 系列 3300 Series	-	3000×6000mm	3300×9000mm
	3300×3600mm	3300×7000mm	-
	3300×4000mm	3300×8000mm	3300×12000mm

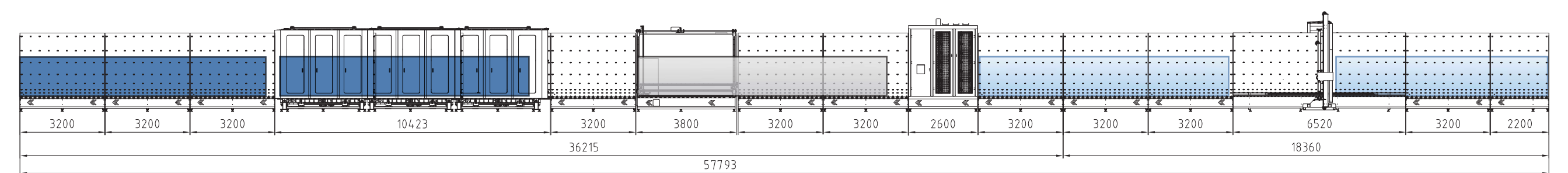
### H 单板压双工位快速自动化生产线 "High-Speed" IG line



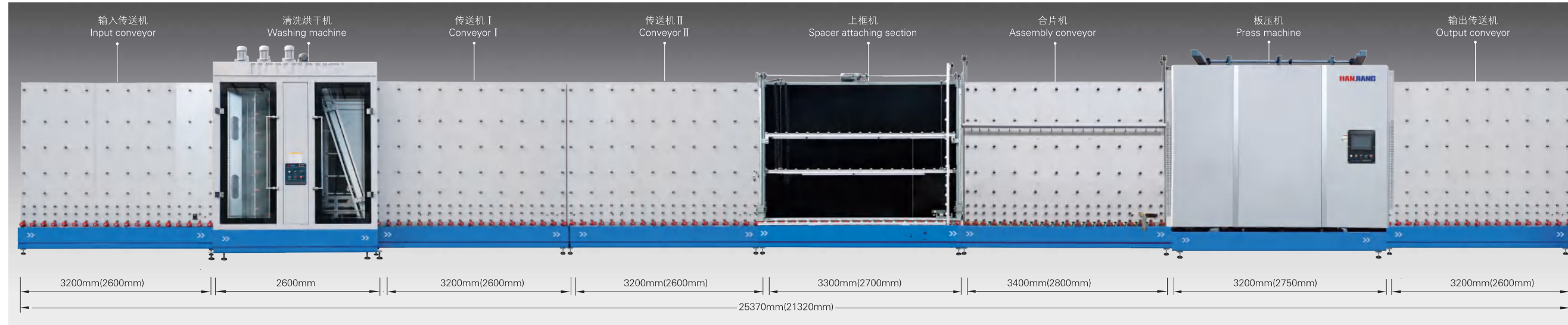
### H 双板压双工位自动化生产线 "Tandem Press Series" for oversize glass processing with two chambers



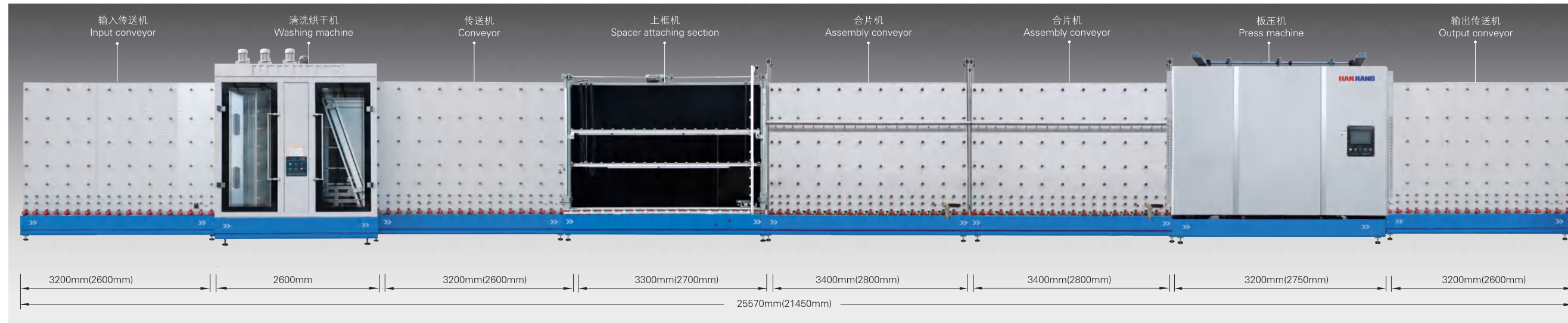
### H 三板压自动化生产线 "Tandem Press Series" for oversize glass processing with three chambers



## MODEL:HJ-LINE-OP



## MODEL:HJ-LINE-OP



## HJ-LINE-OP Automatic Insulating Glass Line 中空玻璃自动化生产线—板外合片型

OP: 板外合片功能 (Assembly out of press machine)

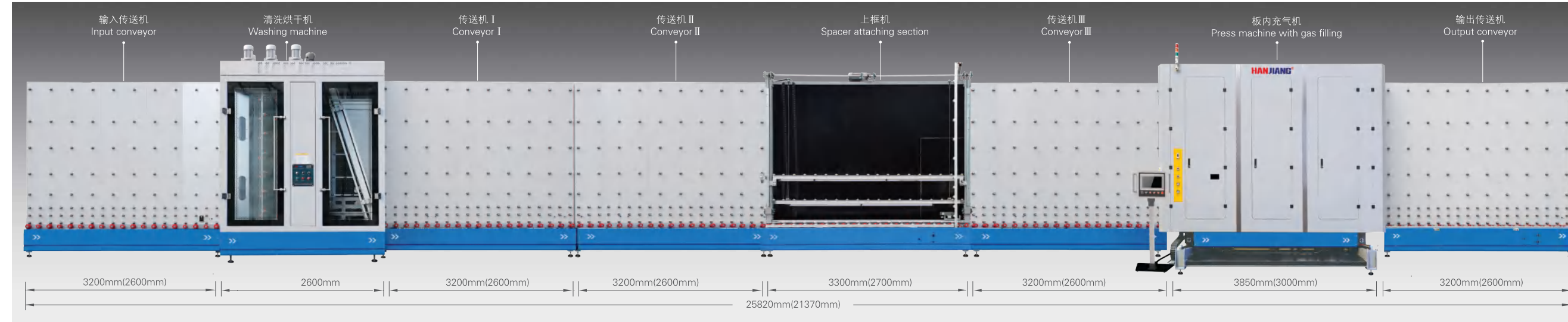
性能特点	Feature
<ul style="list-style-type: none"> <li>□ 全程PLC 控制系统，触摸屏人机界面</li> <li>□ 具有预洗功能</li> <li>□ 可清洗在线和离线Low-E玻璃</li> <li>□ 清洗机风刀根据玻璃厚度自动调节</li> <li>□ 数字化控制生产线间断工作节能系统</li> <li>□ 清洗Low-E玻璃时，毛刷转速变频驱动</li> <li>□ 合片机自动复位功能</li> <li>□ 远程通讯功能</li> </ul>	<ul style="list-style-type: none"> <li>□ PLC control system with touch screen interface</li> <li>□ Pre-washing function</li> <li>□ Perfect washing performance for on/off line Low-E glass</li> <li>□ Air knives automatic adjustment according to the thickness of glass</li> <li>□ Optimal energy saving system with numerical intermittent working style</li> <li>□ Inverter driving for rotatory speed of Low-E brush</li> <li>□ Auto reset function on assembly section</li> <li>□ Remote communication function</li> </ul>

### 技术参数 Technical Data

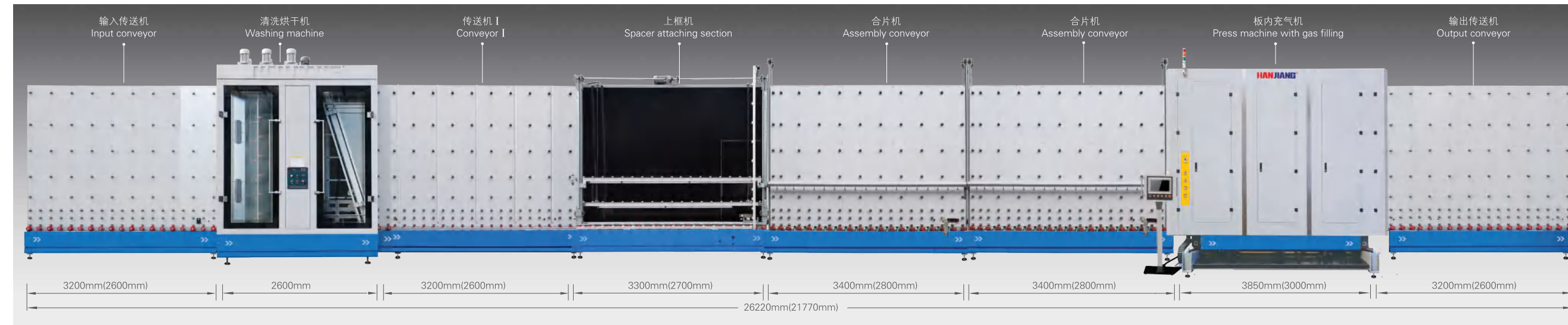
玻璃高度(mm) Glass height	玻璃长度(mm) Glass length	2500	3000	3600	4000	5000	6000
2000	2025						
2500			2530	2536	2540	2550	2560
加工玻璃最小尺寸 Min glass size	300×450mm						
清洗玻璃厚度 Washing glass thickness	3-25mm						
中空玻璃厚度 IG thickness	12-48mm						
三玻两腔 Triple IG	√	√	√	√	√	√	√
板压次数 No. of pressing	1	1	2	2	2	2	2
合片机段数 No. of assembly conveyor	1	1	1	1	2	2	2
设备总长(mm) Machine length	21320	25370	27170	28370	34170	35170	

电功率(Power): 3P 380V/1P+N 220V 50Hz 38kW 压缩空气(Air source): 流量:0.8m³/min 气压:0.7Mpa 水电导率(Water conductivity): ≤30 μs/cm³

## MODEL:HJ-LINE-IP-GF



## MODEL:HJ-LINE-OIP-GF



## HJ-LINE-IP/OIP-GF Automatic Insulating Glass Line 中空玻璃自动化生产线—板内充气型

IP: 板内合片压片一体机(Assembly in press)  
OIP: 板内合片压片一体机带板外合片功能(Assembly out of and in press machine)  
GF: 自动充气功能 (Gas filling)

性能特点	Feature
<ul style="list-style-type: none"> <li>□ 全程PLC 控制系统，触摸屏人机界面</li> <li>□ 具有预洗功能</li> <li>□ 可清洗在线和离线Low-E 玻璃</li> <li>□ 清洗机风刀根据玻璃厚度自动调节</li> <li>□ 数字化控制生产线间断工作节能系统</li> <li>□ 清洗Low-E玻璃时，毛刷转速变频驱动</li> <li>□ 自动检测玻璃长度、高度、厚度，自动调节最佳充气空间，节省用气量</li> <li>□ 板压机采用伺服驱动定位，精准压合</li> <li>□ 生产多层中空玻璃时，可选择性充气功能</li> <li>□ 保证中空玻璃氩气含量≥85%(GB/T11944-2012国家标准)</li> <li>□ 远程通讯功能</li> </ul>	<ul style="list-style-type: none"> <li>□ PLC control system with touch screen interface</li> <li>□ Pre-washing function</li> <li>□ Perfect washing performance for on/off line Low-E glass</li> <li>□ Air knives automatic adjustment according to the thickness of glass</li> <li>□ Optimal energy saving system with numerical intermittent working style</li> <li>□ Inverter driving for rotatory speed of Low-E brush</li> <li>□ Online check glass dimension and thickness, so that to adjust optimal gas filling chamber automatically to achieve superior gas filling performance and less gas loss</li> <li>□ Apply servo and torque driving system for accurate assembly and press</li> <li>□ Automatic and accurate assembly for triple IG processing and selective function for gas filling</li> <li>□ Ensure the argon content ≥85% (GB/T11944-2012 national standard of China)</li> <li>□ Remote communication function</li> </ul>

玻璃高度(mm) Glass height	玻璃长度(mm) Glass length	2500	3000	3600	4000
2000	2025				
2500			2530	2536	2540
2800			2830	2836	2840
3000			3030	3036	3040
3300				3336	3340
加工玻璃最小尺寸 Min glass size	300×450mm				
清洗玻璃厚度 Washing glass thickness	3-25mm (标准型 Normal) 3-40mm (选装型 Optional)				
中空玻璃厚度 IG thickness	12-60mm (标准型 Normal) 12-80mm (选装型 Optional)				
最大承重 Max load	板压机前Loading up to press: 150Kg/m 板压机后Loading from press: 300Kg/m				
四玻三腔 Quadruple IG	选装型 Optional				
充气 Gas filling	√	√	√	√	√
三边大小片 3 side step IG	上边, 左边, 右边 0-100mm top, left, right 0-100mm				
四边大小片 4 side step IG	四边 0-100mm All four sides 0-100mm (选装型 Optional)				
OIP:不充气板外 可加工等片最大玻璃尺寸 Max glass size while assembly out of press machine without Argon gas		□ 4000	□ 6000	□ 6000	□ 6000
设备总长(mm) Machine length	21370	25820	30020	32820	

电功率(Power): 3P 380V/1P+N 220V 50Hz 38kW 压缩空气(Air source): 流量:0.8m³/min 气压:0.7Mpa 水电导率(Water conductivity):≤30 μs/cm³

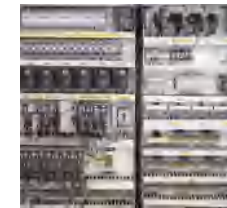
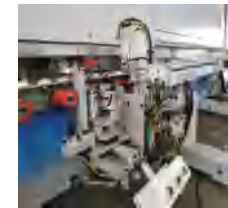
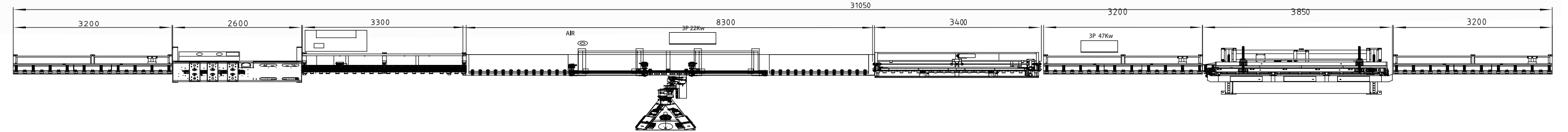
## HJ-LINE-IP-GF-SS Automatic Insulating Glass Line 中空玻璃自动化生产线——铝框、暖边条双功能型

IP: 板内合片压机(Assembly in press) GF: 自动充气功能(Gas filling)  
SS: 超级间隔条 (Super spacer)



玻璃高度(mm) Glass height	玻璃长度(mm) Glass length	3000	3600	4000	6000	7000	8000
2000	2030						
2500	2530	2536	2540	2560	2570	2580	
2800	2830	2836	2840	2860	2870	2880	
3000	3030	3036	3040	3060	3070	3080	
3300		3336	3340	3360	3370	3380	
加工玻璃最小尺寸 Min glass size	300×450mm						
清洗玻璃厚度 Washing glass thickness	3-25mm						
中空玻璃厚度 IG thickness	12-60mm						
四玻三腔 Quadruple IG	选装型 Optional						
充气 Gas filling	√	√	√	√	√	√	√
三边大小片 3 side step IG	上边, 左边, 右边 0-100mm top, left, right 0-100mm						
四边大小片 4 side step IG	四边 0-100mm All four sides 0-100mm (选装型 Optional)						
隔条、铝框双功能型 Warm edge spacer & Rigid spacer	√	√	√	√	√	√	√
机头数量 No. of head	1/2	1/2	1/2	1/2	1/2	1/2	1/2
板压机段数 No. of press machine	1	1	1	2	2	2	2
设备总长(mm) Machine length	31450	35050	37450	55570	64500	77300	

电功率(Power): 3P 380V/1P+N 220V 50Hz 38kW 压缩空气(Air source): 流量:0.8m³/min 气压:0.7Mpa 水电导率(Water conductivity): ≤30 μs/cm³

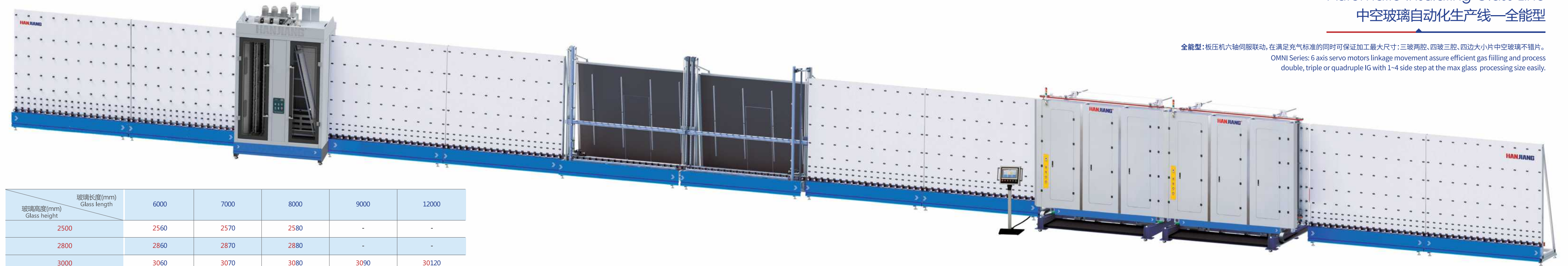


### 性能特点

- 全程PLC 控制系统, 触摸屏人机界面
- 具有预洗功能
- 铝框、暖边条自动切换功能
- T形间隔条在线自动涂布丁基胶功能
- 清洗机风刀根据玻璃厚度自动调节
- 自动检测玻璃长度、高度、厚度, 自动调节最佳充气空间, 节省用气量
- 板压机采用伺服驱动定位, 精准压合
- 远程通讯功能

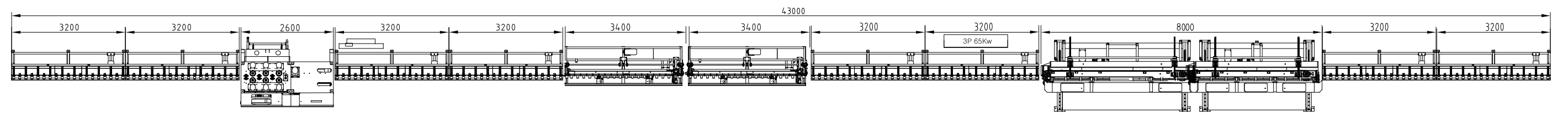
### Feature

- PLC control system with touch screen interface
- Pre-washing function
- Warm edge spacer and rigid spacer processing can be switched automatically
- Automatic butyl coating to T-spacer
- Air knives automatic adjustment according to the thickness of glass
- Online check glass dimension and thickness, so that to adjust optimal gas filling chamber automatically to achieve superior gas filling performance and less gas loss
- Apply servo and torque driving system for accurate assembly and press
- Remote communication function



全能型：板压机六轴伺服联动，在满足充气标准的同时可保证加工最大尺寸：三玻两腔、四玻三腔、四边大小片中空玻璃不错片。  
 OMNI Series: 6 axis servo motors linkage movement assure efficient gas filling and process double, triple or quadruple IG with 1~4 side step at the max glass processing size easily.

玻璃长度(mm) Glass length	6000	7000	8000	9000	12000
玻璃高度(mm) Glass height					
2500	2560	2570	2580	-	-
2800	2860	2870	2880	-	-
3000	3060	3070	3080	3090	30120
3300	3360	3370	3380	3390	33120
加工玻璃最小尺寸 Min glass size	300×450mm				
清洗玻璃厚度 Washing glass thickness	3-25mm (标准型 Normal) 3-40mm (选装型 Optional)				
中空玻璃厚度 IG thickness	12-60mm (标准型 Normal) 12-80mm (选装型 Optional)				
最大承重 Max load	板压机前Loading up to press: 300Kg/m 板压机后Loading from press: 500Kg/m				
三玻两腔 Triple IG	√	√	√	√	√
四玻三腔 Quadruple IG	√	√	√	√	√
充气 Gas filling	√	√	√	√	√
四边大小片 4 side step IG	√	√	√	√	√
板压机段数 No. of press machine	2	2	2	3	3
设备总长(mm) Machine length	43000	50000	55000	75000	93000



#### 性能特点

- 全程PLC 控制系统，触摸屏人机界面
- 采用重载传送结构，保证传送平稳
- 具有预洗功能
- 采用开合式清洗机，前排胶辊、毛刷、风刀根据玻璃厚度自动调节
- 自动检测玻璃长度、高度、厚度，自动调节最佳充气空间，节省用气量
- 根据玻璃长度自动切换单板或双板加工功能
- 板压机采用伺服驱动定位，精准压合
- 全能型板压结构，可精准加工大板、多层、四边大小片中空玻璃
- 生产多层中空玻璃时，可选择性充气功能
- 保证中空玻璃氩气含量≥85% (GB/T11944-2012国家标准)
- 生产小于单板长度玻璃时，可选双板双工位工作模式，提高生产效率 (\*选装型)
- 具有远程通讯功能

#### Feature

- PLC control system with touch screen interface
- Apply high load structure for super heavy and large glass sheet
- Pre-washing function
- Over-thick glass washing machine can adjust front rubber rollers, brushes, air knives as per glass thickness automatically
- Online check glass dimension and thickness, so that to adjust optimal gas filling chamber automatically to achieve superior gas filling performance and less gas loss
- Switch single press or double press function as per glass length automatically
- Apply servo and torque driving system for accurate assembly and press
- Press can process large glass sheet, multi-layer IGU, 1~4 side step IGU accurately
- Automatic and accurate assemble for triple IG processing and selective function for gas filling
- Ensure the argon content ≥85% (GB/T11944-2012 national standard of China)
- Multi press machines will work as a combination or individuals as per glass size. If glass size is big, multi press machines work as an one, if glass size is small, each press machine can work as an individual (\*optional)
- Remote communication function

电功率(Power): 3P 380V/1P+N 220V 50Hz 38kW 压缩空气(Air source): 流量:0.8m³/min 气压:0.7Mpa 水电导率(Water conductivity): ≤30 μs/cm³



# HJ-IGSR

## Insulating Glass Sealing Robot

### 中空玻璃自动打胶机

**HANJIANG**

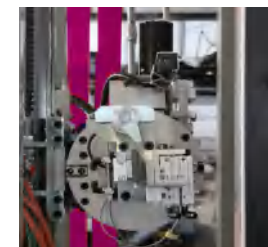
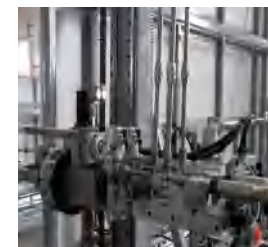


#### 性能特点

- 全程PLC 控制系统，触摸屏人机界面
- 特殊传送结构设计，保证大板多层中空玻璃不错片
- 采用连续供胶模式，大板玻璃一次打胶完成
- 伺服电子配比系统，精准控制AB胶比例
- 在线检测打胶深度，自动调节胶量功能
- 混胶系统自动清洗功能（\*选装型）
- A胶加热系统（\*选装型）

#### Feature

- PLC control system with touch screen interface
- Apply special conveying structure to prevent overlap on large glass sheet and multi-layer glass sheet
- Apply continous sealant supply system for fast and stable output of sealant
- Adjust ratio by electronic servo motors, which bring accurate and precision
- Online measure sealing depth and adjust sealant output automatically
- Cleaning system for mixing part(\*option)
- Heating system(\*option)



#### 技术参数 Technical Data

玻璃长度(mm) Glass length	3000	4000	5000	6000	7000	8000	9000	12000
玻璃高度(mm) Glass height								
2000	2030							
2500	2530	2540	2550	2560				
2800	2830	2840	2850	2860	2870	2880		
3000	3030	3040	3050	3060	3070	3080	3090	30120
3300		3340	3350	3360	3370	3380	3390	33120
中空玻璃厚度 IG thickness	12-60mm (标准型 Normal) 12-80mm (选装型 Optional)							
胶深 Sealing depth	5-20mm							
胶宽 Sealing width	6-24mm							
三玻两腔 Triple IG	√	√	√	√	√	√	√	√
四玻三腔 Quadruple IG	√	√	√	√	√	√	√	√
三边大小片 3 side step IG	上边, 左边, 右边 0-100mm top, left, right 0-100mm (选装型 Optional)							
四边大小片 4 side step IG	上边, 左边, 右边 0-100mm 底边0-50mm (选装型 Optional) top, left, right 0-100mm bottom 0-50mm (选装型 Optional)							
供胶方式 Method of sealant supply	单组 / 双组连续供胶 One / Two sealant supply system (选装型 Optional)							
段数 No. of conveyor	2/3	4	4	5	6	6	7	9
设备总长(mm) Machine length	6700/9900	11100	12100	17500	18700	19700	22900	26100

电功率(Power): 3P 380V/1P+N 220V 50Hz 23kW 气压:0.7Mpa

## 180° Turning Table 180° Low-E玻璃翻面台



### 性能特点(180°)

- 适用于加工双Low-E中空玻璃，避免人工翻面时划伤Low-E面
- 采用气浮传送，保护Low-E面
- 转角采用伺服驱动，运动平稳
- 板面角度采用伺服驱动调整，传输平稳

### Feature

- Suitable for both Low-E glasses in same IGU chamber
- Apply air float type to protect Low-E film
- Apply servo motor for turning smoothly
- Apply servo motor for panel incline smoothly

### 技术参数 Technical Data

最大玻璃尺寸 Max glass size	2500×3000mm; 3300×6000mm(选装optional)
单片玻璃厚度 Glass thickness	3-19mm
旋 转 角 度 Rotation angle	0-180°
	特殊规格可参考生产线规格配套生产 Customized size can check IG line specification

## 90° Turning Table 90° 转角台



### 性能特点(90°)

- 方便工厂设备布局摆放，高效，灵活，稳定
- 转角采用伺服驱动，运动平稳

### Feature

- Flexible for various factory layouts with high efficient and stable production
- Apply servo motors to control turning motion smoothly

### 技术参数 Technical Data

最大玻璃尺寸 Max glass size	2500×3000mm
单片玻璃厚度 Glass thickness	3-19mm
旋 转 角 度 Rotation angle	0-90°
	特殊规格可参考生产线规格配套生产 Customized size can check IG line specification

## HJ-LFRM Low-E Glass Film Removing Machine Low-E 玻璃除膜机

\* 特殊规格可参考生产线规格配套生产 \* Customized size can check IG line specification

### 性能特点

- 全程PLC 控制系统，触摸屏人机界面
- 多轴伺服联动系统
- 自动检测玻璃尺寸、可不等宽除膜
- 直线滑轨定位方式，保证加工精度
- 自动除尘系统，自动磨轮修整功能
- 可按照图形库11种图形加工异型玻璃
- 隔片除膜功能
- 具有远程通讯功能
- 特殊规格可参考生产线规格配套生产

### Feature

- PLC control system with touch screen interface
- Multi servo motors movement ensures precise position
- Automatically measure glass size and available for different film removing width
- Linear slide unit enable to get good film removing result
- Automatic dust collecting system; Automatic wheel trimming function
- Processing 11 shapes as per the graphics library
- Automatically distinguish and select film removing function
- Remote communication function
- Customized size can check IG line specification



技术参数 Technical Data	
加工玻璃最大尺寸 Max glass size	2500×3000mm (2000×2500mm)
加工玻璃最小尺寸 Min glass size	300×450mm
玻璃厚度 Glass thickness	3-19mm
除膜宽度 Removing width	10-150mm
除膜速度 Removing speed	0-25m/min (可调节 Adjustable)
磨轮宽度 Wheel width	10-30mm
加工精度 Accuracy	±0.5mm
电 功 率 Power	3P 380V/1P+N 220V 50Hz 10kW
气 压 Air pressure	0.7MPa
设备尺寸 Machine size	8120(长L)×1800(宽W)×3500(高H)mm

## HJ-AGLM Automatic Glass Loading Machine 玻璃自动上片机

\* 特殊规格可参考生产线规格配套生产 \* Customized size can check IG line specification

### 性能特点

- PLC控制系统，触摸屏人机界面
- 三轴伺服电机联动保证动作快速平稳
- 玻璃架子无玻璃时报警提示和自动停止功能

### Feature

- PLC control system with touch screen interface
- 3 axis servo motors linkage movement ensures fast and smooth performance
- Alarm system with automatic stop function when there is no glass on glass rack

### 技术参数 Technical Data

加工玻璃最大尺寸 Max glass size	2500×3000mm
加工玻璃最小尺寸 Min glass size	2000×2500mm
玻璃厚度 Glass thickness	3-19mm
气 源 Air Source	0.8mpa
电 功 率 Power	3P 380V 50Hz 9kw
设备尺寸 Machine Size	3200(长L)×2800(宽W)×1800(高H)mm
	2600(长L)×2800(宽W)×1800(高H)mm



## HJ-ASBM

### Automatic Aluminum Spacer Bending Machine

#### 铝条框自动折弯机

#### 性能特点

- 采用PLC 控制系统,触摸屏人机界面
- 送料、折弯采用伺服控制系统
- 四个储料槽,可以分别存放4种不同规格的铝条
- 折弯和切割时自动避让铝条之间的连接处
- 可折图形库中的十五种图形
- USB数据导入功能
- 超大铝框自动拆分加工功能
- 可折不锈钢条 (\*选装型)
- 可折瑞士暖边条 (\*选装型)
- 可以连接喷墨打印机 (\*选装型)
- 可连接激光打码机 (\*选装型)
- 具有远程通讯功能 (\*选装型)



#### Feature

- PLC control system and touch screen interface
- Servo motors control feeding and bending
- The 4 profile magazines for 4 different specifications of spacers
- Automatically avoid connectors on bending and cutting place
- 15 shapes available
- Placing order through USB driver
- Automatic split over-size frame by program
- Special option for stainless steel spacer (\*option)
- Processing of Swiss-spacer (\*option)
- Connecting with the ink printer (\*option)
- Connecting with the laser marking machine (\*option)
- Remote communication function (\*option)

#### 技术参数 Technical Data

铝条宽度 Spacer width	6-27mm
加工最大尺寸 Bending max size	2000×2000mm
加工最小尺寸 Bending min size	250×250mm
送料速度 Feeding speed	0-90m/min
直线尺寸误差 Linear dimension error	≤±0.5mm/m
折弯后角度误差 Angle error	±0.5°
电 功 率 Power	3P 380V/1P+N 220V 50Hz 5kW
气 压 Air pressure	0.7MPa
设备尺寸 Machine size	10000(长L) × 2200(宽W) × 2600(高H)mm

## HJ-DAFM

### Desiccant Automatic Filling Machine

#### 分子筛自动灌装机

#### 性能特点

- 采用 PLC 控制系统、触摸屏人机界面
- 灌装高度可以根据铝框大小调节
- 自动封堵分子筛孔功能
- 自动监测灌装和定时灌装双模式

#### Feature

- PLC control system and touch screen interface
- Adjustable filling height according to the spacer size
- Automatically sealing the drilled holes
- Automatic desiccant filling by volume control or time setting



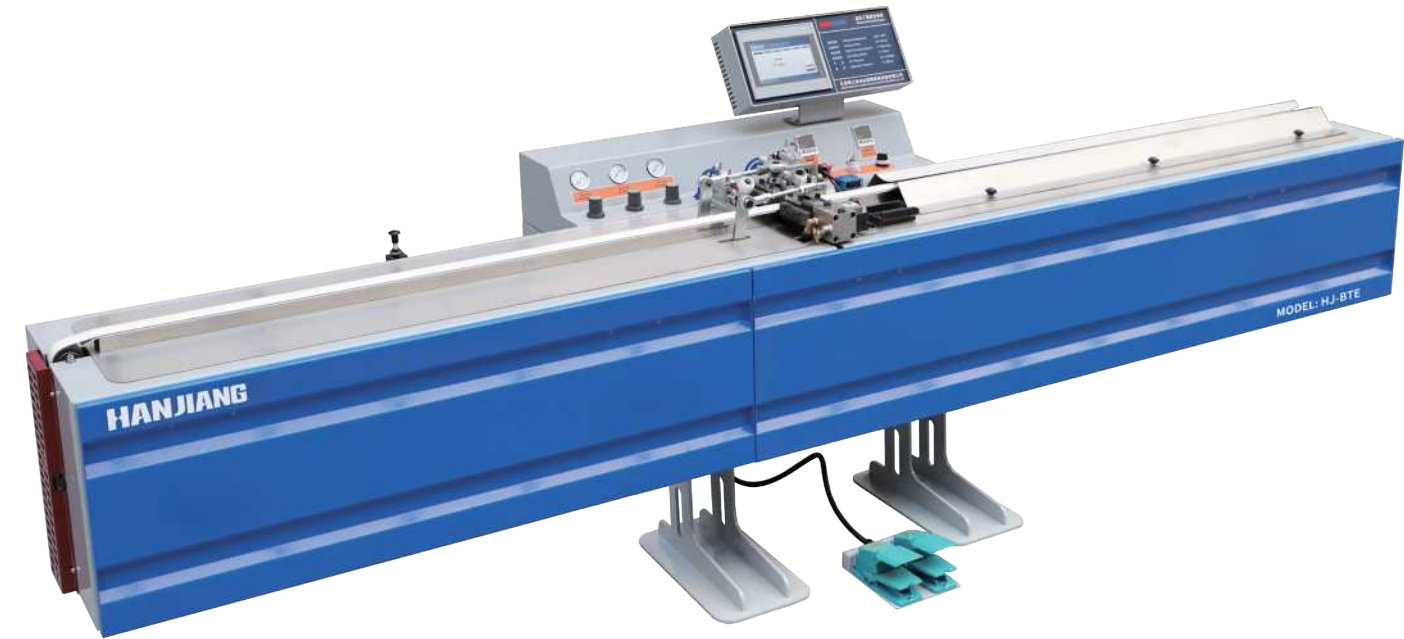
规格型号/MODEL: HJ-DAFM

#### 技术参数 Technical Data

分子筛直径 Desiccant diameter	0.5-0.8 mm
灌装速度 Filling speed	5s/1000×1000×9mm (双边 double sides)
铝条宽度 Spacer width	6-27mm
最大尺寸 Max filling frame size	2000×2000mm
最小尺寸 Min filling frame size	250×250mm
电 功 率 Power	1P+N 220V 50Hz 1kW
气 压 Air pressure	0.7MPa
设备尺寸 Machine size	1165(长L) × 860(宽W) × 3050(高H)mm

## HJ-BTE

Automatic Butyl Extruder  
自动丁基胶涂布机



### 性能特点

- 采用 PLC 控制系统，触摸屏人机界面
- 数字化控制出胶、停胶时间
- 涂胶速度可选并自动匹配对应参数
- 无胶时自动显示功能
- 胶缸胶嘴双加热系统
- 胶嘴高度调节功能
- 设备预加热功能
- 弧形铝框涂布功能
- 胶嘴间距自动调节功能

### Feature

- PLC control system with touch screen interface
- Numerical control of extruding start and stop time
- Automatic parameter adjustment as per different belt conveying speed
- Automatic displaying function when out of butyl
- Two heating systems for butyl cylinder and nozzle
- Nozzle height adjustable
- Pre-heating system
- Available for curved spacer extruding
- Nozzle adjust automatically for different spacer widths

### 技术参数 Technical Data

加热温度 Heating temperature	100°C-160°C
加热时间 Heating time	30-40min
涂胶速度 Butyl extruding speed	0-30m/min
涂胶宽度 Extruding width	4-27mm
电 功 率 Power	1P+N 220V 50Hz 3kW
气 压 Air pressure	0.7MPa
液 压 Hydraulic pressure	0-20MPa
作业高度 Working Height	800mm
设备尺寸 Machine size	3000(长L)×600(宽W)×950(高H)mm

## HJ-SS

Flexible spacer applicator  
超级间隔条码放机

\* 特殊规格可参考生产线规格配套生产  
\* Customized size can check IG line specification



### 性能特点

- 全程PLC 控制系统，触摸屏人机界面
- 多轴伺服联动，间隔条精准定位贴合
- 根据间隔条余量，自动调节料盘转速
- T形间隔条在线自动涂布丁基胶功能
- 中空玻璃装饰条定位口自动切割功能
- 自动调节V型刀片角度，便于加工异形玻璃 (\*选装型)
- 双机头结构，可自动切换两种规格间隔条 (\*选装型)
- 间隔条断口自动封角机 (\*选装型)

### Feature

- PLC control system with touch screen interface
- Multi-axis servo linkages, intelligent, fast and accurate spacer attaching on glass
- Adopt inverter drive, automatically adjust on material feeding
- Automatic butyl coating to T-spacer
- Special blade for Georgian bar processing
- Adjustable V-cutting blade for shape glass (\*optional)
- Double applicator heads are available for two different spacer widths, so that to alternate applicator easily(\*optional)
- Automatic corner tape applicator (\*optional)

### 技术参数 Technical Data

加工玻璃最大尺寸 Max glass size	2000mm×2500mm; 2500mm×3000mm
加工玻璃最小尺寸 Min glass size	300mm (H) × 450mm (L)
单片玻璃厚度 Single glass thickness	3-10mm
最大承重 Max load	100kg/m (可定制 optional: > 100kg/m)
间隔条宽度 Spacer width	8-18mm
加工周期 Cycle time	8-9 秒 / (1000x1000x12mm 间隔条 spacer)
异形图库 Shapes	28种图形 28 shapes
电 功 率 Power	3P 380V 50/60Hz 25Kw

# HJ-HGSM

Horizontal Glass Seaming Machine  
卧式玻璃自动磨边机



**性能特点**

- 采用PLC 控制系统，触摸屏人机界面
- 采用碗式磨轮交叉结构
- 无需人工输入玻璃尺寸及厚度

**Feature**

- PLC control system with touch screen interface
- Apply cross cup wheel structure
- Automatically detect glass size and thickness

**技术参数 Technical Data**

加工玻璃最大尺寸 Max glass size	2500×3000mm
	2500×4000mm (*option)
加工玻璃最小尺寸 Min glass size	300×600mm
玻璃厚度 Glass thickness	3-15mm
磨边速度 Working speed	10-30m/min
电 功 率 Power	3P 380V/1P+N 220V 50Hz 10.5KW
气 压 Air source	0.7MPa
辊轮高度 Working height	900±30mm
设备尺寸 Machine size	5800(长L)×3860(宽W)×1600(高H)mm

# HJ-GSM

Automatic Vertical Glass Seaming Machine  
立式玻璃自动磨边机



**性能特点**

- 采用PLC 控制系统，触摸屏人机界面
- 主机采用六轴伺服，三轴联动
- 可加工离线Low-E玻璃
- 自动检测玻璃尺寸功能

**Feature**

- PLC control system with touch screen interface
- 6 axis servo motors and 3 axis linkage ensure precise position
- Excellent off line Low-E glass processing
- Automatic detect glass size function

**技术参数 Technical Data**

加工玻璃最大尺寸 Max glass size	2500×3000mm
加工玻璃最小尺寸 Min glass size	300×700mm
玻璃厚度 Glass thickness	3-10mm
加工速度 Working speed	0-20m/min
水泵流量 Water pump flow	15t/h
辊轮高度 Working height	750±10mm
气 压 Air source	0.7MPa
电 功 率 Power	3P 380V/1P+N 220V 50Hz 30kW
设备尺寸 Machine size	8000(长L)×2040(宽W)×4080(高H)mm

## HJ-WM Vertical Washing Machine 立式清洗机



### 性能特点

- 采用PLC 控制系统，触摸屏人机界面
- 具有预洗功能
- 清洗机风刀根据玻璃厚度自动调整
- 可清洗在线和离线镀膜玻璃和Low-E 玻璃
- 数字化控制间断工作节能系统
- 清洗Low-E玻璃毛刷转速可变频驱动
- 自动识别镀膜玻璃和Low-E玻璃的膜层面(\*选装型)

### Feature

- PLC control system with touch screen operation interface
- Pre-washing function
- Air knives automatic adjustment according to the thickness of glass
- Perfect washing performance for on/off line coating glass or Low-E glass
- Adopt intermittent working design for energy saving
- Inverter driving for rotatory speed of Low-E brush
- Automatically distinguish the coating side of coated glass and Low-E glass (\*option)

### 技术参数 Technical Data

加工玻璃最大尺寸 Max glass size	2500×3000mm (2000×2500mm)
加工玻璃最小尺寸 Min glass size	300×450mm
清洗玻璃厚度 Washing glass thickness	3-25mm
清洗玻璃速度 Washing glass speed	0-8 m/min
清洗玻璃用毛刷 Low-E brush	6 units (3 units for Low-E)
电 功 率 Power	3P 380V/1P+N 220V 50Hz 23kW
气 压 Air pressure	0.7MPa
水电导率 Water conductivity	≤30μs/cm
设备尺寸 Machine size	9000(长L)×1800(宽W)×3500(高H)mm 7800(长L)×1800(宽W)×3000(高H)mm

## HJ-ACPA Automatic Cork Pad Applicator 软隔垫自动贴片机



### 性能特点

- 采用PLC 控制系统，触摸屏人机界面
- 自动测量玻璃高度
- 传送过程即可进行粘贴，粘贴距离可以设定
- 自动适应不同中空玻璃厚度
- 软隔垫用完提示报警功能
- 具有远程通讯功能

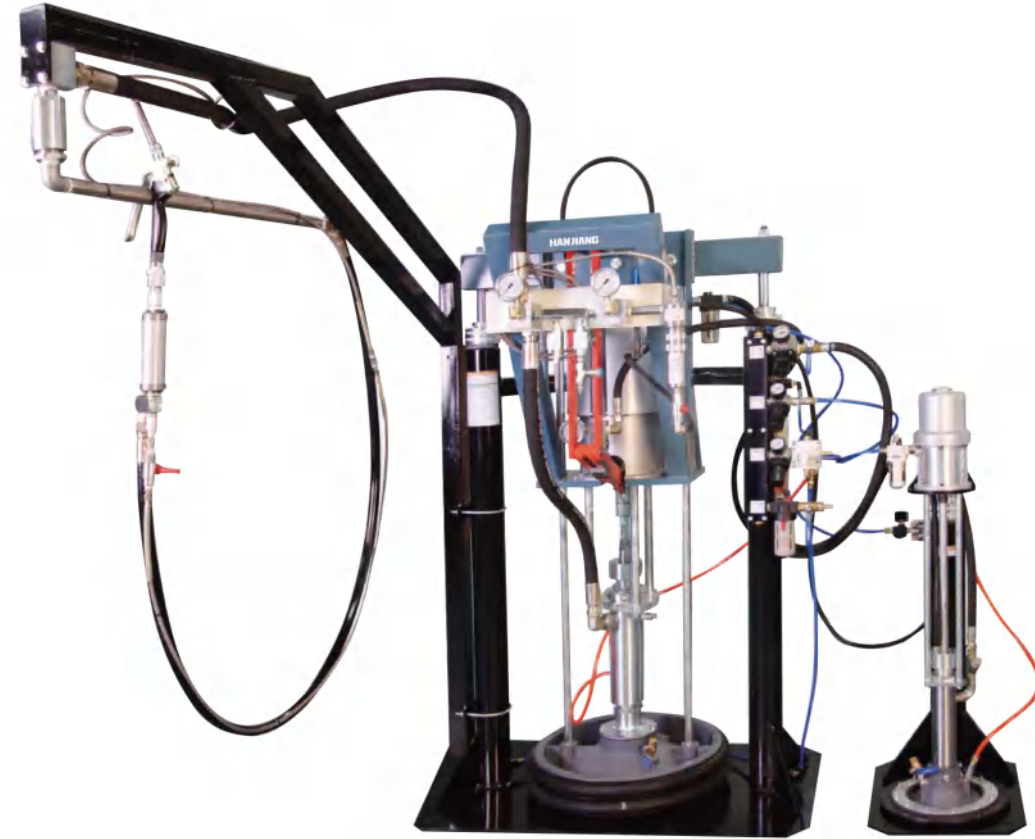
### Feature

- PLC control system with touch screen interface
- Automatic measuring glass height
- Apply cork pad during glass conveying, and its intervals can be setting on touch screen
- Applicable to the different thickness of insulating glass
- Automatic alarm function as cork pad run out
- Remote communication function

### 技术参数 Technical Data

传送速度 Conveying speed	0-35m/min
中空玻璃厚度 Insulating glass thickness	12-60mm
玻璃最小尺寸 Minimum size of glass	300×600mm
最大尺寸 Maximum size of glass	2500×3000mm(2000×2500mm)
气 压 Air pressure	0.7Mpa
电 功 率 Power	3P 380V/1P+N 220V 50Hz 2KW
设备尺寸 Machine Size	1200(长L)×1000(宽W)×3200(高H)mm

**HJ-TWE**  
Two Component Sealants Extruder  
双组分打胶机



技术参数	
标准桶	采用标准桶200L (双组分胶种基本组成)20L(固化剂)
混合比例范围	6:1 -14:1
电加热功能	*选装型
气压	0.8MPa
密封胶种类	聚硫胶/硅酮结构胶
设备尺寸	1500 (长) ×1200(宽) ×1900(高)mm

Technical Data	
Standard drum	200L (for basic component) 20L (for catalyst)
Mixing ratio	6:1 - 14:1
Heating function	*Optional
Air pressure	0.8MPa
Sealant	Polysulfide / Silicon
Machine size	1500(L) × 1200(W) × 1900(H)mm

**HJ-RT**  
Rotating Table  
密封旋转工作台



HJ-RT-S  
通过脚踏开关可随意控制360°旋转  
Control rotating at 360° with foot-switch

技术参数	
加工最大玻璃尺寸	S: 2000×2000mm B: 2500×3600mm
加工最小玻璃尺寸	300×300mm
转动速度	5 rpm
气压	0.7MPa
电功率	3P 380V/1P+N 220V 50Hz 0.2kW
设备尺寸	HJ-RT-S 600(长)×600(宽)×850(高)mm HJ-RT-B 2100(长)×2100(宽)×850(高)mm



HJ-RT-B  
通过脚踏开关可随意控制90°旋转  
Control rotating at 90° with foot-switch

Technical Data	
Max glass size	S: 2000×2000mm B: 2500×3600mm
Min glass size	300×300mm
Rotating speed	5 rpm
Air pressure	0.7MPa
Power	3P 380V/1P+N 220V 50Hz 0.2kW
Machine size	HJ-RT-S 600(L) × 600(W) × 850(H)mm HJ-RT-B 2100(L) × 2100(W) × 850(H)mm



## 砂带磨边机 BELT CROSS GRINDING MACHINE

MODEL: HJ-BCGM

### 性能特点

- 采用气缸加弹簧的涨紧装置，更换砂带快捷简便

### Feature

- Applying pneumatic cylinder and spring tension device, easy for changing the belt



### 技术参数

气 压	0.7MPa
磨边速度	150-300mm/sec
电 功 率	3P 380V/1P+N 220V 50Hz 1450rpm 1.5kW
设备尺寸	2000(长)×1010(宽)×1500(高) mm

### Technical Data

Air pressure	0.7MPa
Grinding speed	150-300mm/sec
Power	3P 380V/1P+N 220V 50Hz 1450rpm 1.5kW
Machine size	2000(L)×1010(W)×1500(H) mm

## 胶枪冷冻机 MIXING GUN FREEZER

MODEL: HJ-MGF

### 性能特点

- -40°C的低温可以有效延缓混合后的胶固化时间，减少胶的浪费

### Feature

- The low temperature at -40°C can delay the mixed sealant becoming hard, decreasing the waste of the material



### 技术参数

电功率	3P 380V/1P+N 220V 50Hz 3kW
最低温度	-40°C
保持时间	大于12小时(非固化时间)
设备尺寸	1400(长)×900(宽)×1000(高) mm

### Technical Data

Power	3P 380V/1P+N 220V 50Hz 3kW
Min temperature	-40°C
Holding time	more than 12 hours (non-solid)
Machine Size	1400(L)×900(W)×1000(H) mm

## 分子筛灌装机 SALT LOADER

MODEL: HJ-SL

### 性能特点

- 可同时灌装40根铝条

### Feature

- Filling 40 spacers at the same time



### 技术参数

气 压	0.7MPa
灌装尺寸	最大3150mm
外形尺寸	2500(长)×500(宽)×1800(高) mm

### Technical Data

Air pressure	0.7MPa
Spacer size	Max 3150mm
Machine size	2500(L)×500(W)×1800(H) mm

## 液压升降机 ELEVATOR

MODEL: HJ-ELE

### 性能特点

- 液压缸驱动升降
- 加工大尺寸玻璃时升降安全快速,方便

### Feature

- Hydraulic cylinder system
- When proceeding large size glass it provides safety, efficiency and convenience



### 技术参数

升降距离	1000 mm
设备尺寸	3400(长)×500(宽)×900(高) mm

### Technical Data

Lift height	1000mm
Machine size	3400(L)×500(W)×900(H) mm

## 铝条框移送机 SPACER MOVING MACHINE

MODEL: HJ-SM

### 性能特点

- 可以防止涂有丁基胶的铝框变形和相互之间粘连
- 可储存大量铝条框并通过脚踏开关控制前移
- 铝条传送自动停止功能(\*选装型)

### Feature

- Preventing spacer from deforming and adhering to another
- Storing a large amount of spacer, moving forward by the foot switch controlling
- Spacer conveyor automatic stop (\*option)



### 技术参数

电 功 率	3P 380V/1P+N 220V 50Hz 0.2kW
输送速度	8m/min
设备尺寸	3000(长)×2600(宽)×2700(高) mm

### Technical Data

Power	3P 380V/1P+N 220V 50Hz 0.2kW
Moving speed	8m/min
Machine size	3000(L)×2600(W)×2700(H) mm

## 铝条切割机 SPACER CUTTER

MODEL: HJ-SC

### 性能特点

- 使用脚踏开关，操作安全，方便

### Feature

- Foot switch provides safety and convenience



### 技术参数

气 压	0.6MPa
电 功 率	1P+N 220V 50Hz 6000rpm 1.8kW
锯片规格	φ254mm
设备尺寸	6500(长)×540(宽)×1080(高) mm

### Technical Data

Air pressure	0.6MPa
Power	1P+N 220V 50Hz 6000rpm 1.8kW
Cuttering saw size	φ254mm
Machine size	6500(L)×540(W)×1080(H) mm

# Industrial Cloud—Data Master

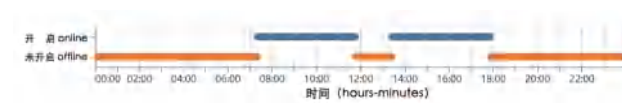
## 韩江工业云 —— 数据管家

迈入工业智能化的第一步就是实现数字化管理，韩江工业云系统打破传统管理模式，为用户提供：产能数据，优化排产，监测运行状态，预测维保时间等服务，实现数据共享，稳定高效地提高产能。As we enter into the digital age, data becomes indispensable to make accurate decisions. Hanjiang corporate cloud system allows you access accurate real-time data. Break the traditional management mode, achieve data sharing, proactive machine maintenance, optimize production schedule, and therefore improve production output effectively.



### 设备运行状态 Machine Running Status

随时随地可联网在线移动端如电脑/手机界面查看设备运行状态并获取数据。Machine status data are collected in real time directly by PLC control system and stored in cloud for displaying and analyzing. Every time, everywhere can check current or past data on mobile devices.



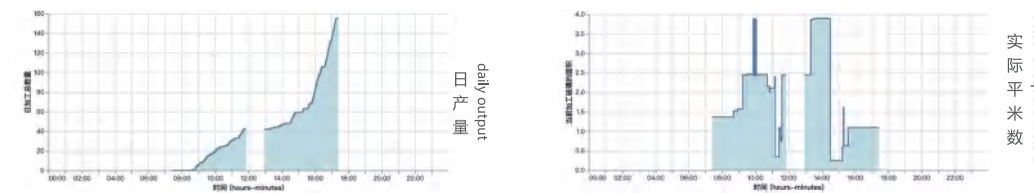
### 产能数据 Production Data

产能数据可根据需求分享给管理层，生产部门，品控部门或任何需要的用户端，方便用户分析数据如绩效考核。Production data can be shared with management team, production team, QC team, or everyone else, who needs them, in order to effectively analyze data on time.



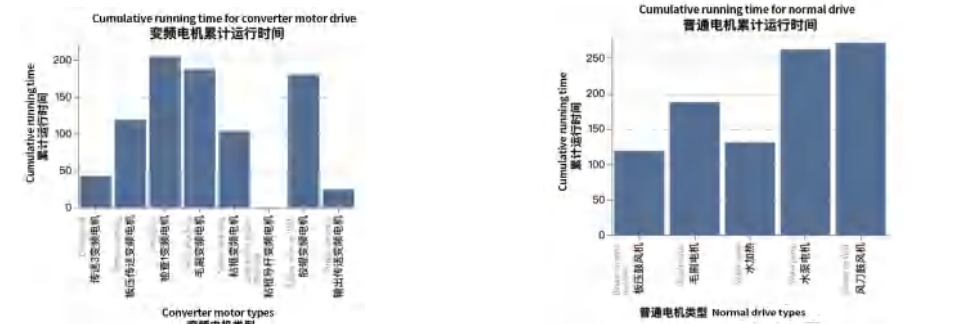
### 优化中空排产 Optimize IG Production Schedule

根据系统检测出的产能报告，用户对生产订单进行优化可以有效提高产能。As per actual production report, the user can optimize production order, therefore maximize production output.



### 预测设备维保 Proactive Machine Maintenance

根据记录元器件的工作时长,电机报警信息,耗电量等信息，系统可设定维保时间，且具有主动按时推送维保提示，从而大大降低了设备的故障率。As per the working data of critical electrical components, including alarms, working times, status, power consumption data and etc, system can set proactive machine maintenance time and automatically show related messages on the system, therefore reduce machine downtimes effectively.



# INNOVATION · QUALITY · COOPERATION

## 铸造品质 合作共赢

