



CERTIFICATE NUMBER
MBER38.093

ISO9001:2015
CN09/10018

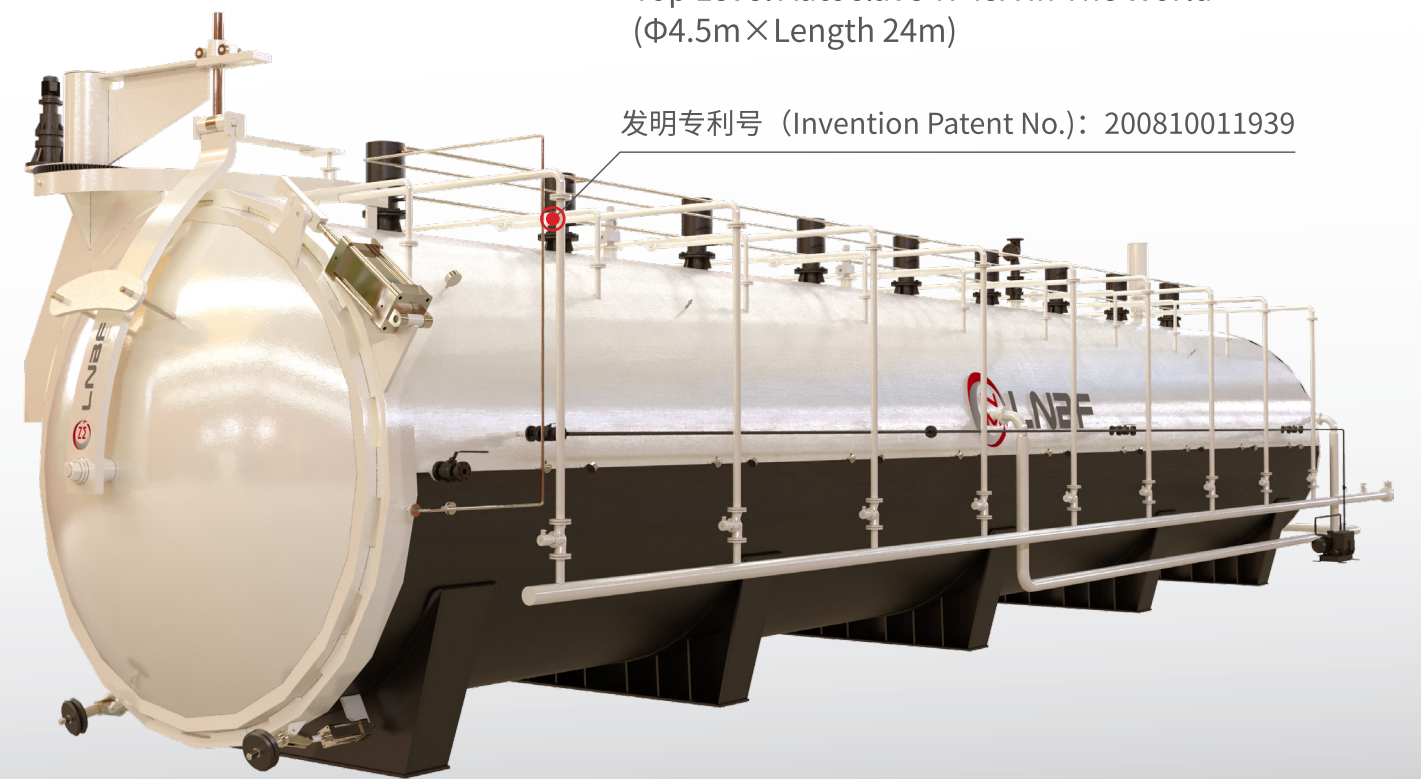
CE



世界大气压釜 YF45A
(直径 4.5m × 长度 24m)

Top Level Autoclave YF45A In The World
(Φ 4.5m × Length 24m)

发明专利号 (Invention Patent No.): 200810011939



SHENYANG ◆ CHINA 沈阳 ◆ 中国

中国辽宁北方玻璃机械股份有限公司

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SHENYANG ◆ CHINA 沈阳 ◆ 中国



安全第一 用户至上
SAFETY FIRST CUSTOMER FIRST



目录

TABLE OF CONTENTS

目录	01
公司简介	02-03
业务范围	04-05
企业证书和荣誉	06-07
知名企业案例	08-09
产品应用	10-11
建筑玻璃设备篇	12-19
汽车玻璃设备篇	20-27
特种玻璃设备篇	28-29



公司简介

BRIEF INTRODUCTION OF COMPANY

中国辽宁北方玻璃机械股份有限公司位于沈阳经济技术开发区浑河十八街18号，总占地二十万平方米，拥有员工300余名，是全球最值得信赖的生产夹层线全套设备（包括气压釜）的专业制造商，从事玻璃机械的开发、研制及生产制造达30年余。公司下属企业沈阳北方太阳能有限公司、沈阳北方容器设备有限公司、沈阳耀华安全玻璃有限公司。

多年来，公司开发研制出生产建筑、汽车、飞机、高铁和船舶玻璃的夹层玻璃生产线的各种档次气压釜、清洗干燥机、合片机、预压机、上、下翻转机、PVB胶片拉伸机、汽车玻璃真空预压机、真空箱；钢化玻璃生产线的化学钢化炉，及热弯玻璃的间歇式热弯炉、四室热弯炉、28室连续热弯炉等设备。高质量的产品，完善的售后服务使我们的产品畅销国内外，夹层玻璃设备远销美国、英国、哥伦比亚、墨西哥、德国、意大利、巴西、西班牙、希腊、荷兰、俄罗斯、日本、韩国、马来西亚、印尼、越南、泰国、伊朗、摩洛哥及南非等许多国家，赢得了国内外用户的广泛好评。

公司获得美国ASME设计、制造许可证书，欧盟CE认证、马来西亚DOSH认证、东南亚MOM认证及ISO9001:2015质量管理体系认证等资质。

公司全体员工将以质量第一，用户至上的敬业精神，为广大国内外用户提供一流的设备和最佳的服务。

China Liaoning North Glass Machine Co., Ltd is located in No.18,18 Hunhe Street, Shenyang Economic and Technological Development Zone. It covers an area of 200,000 m² with more than 300 employees. It is the most trusted professional manufacturer which has been specialized in researching, developing and manufacturing the whole laminated glass production line (including autoclaves) for more than 30 years. The company has three subsidiaries including: Shenyang North Solar Energy Co., Ltd, Shenyang North Vessel Equipment Co., Ltd and Shenyang Yaohua safety Glass Co., Ltd.

Through years, we have developed and researched different kinds of autoclaves and laminated glass production line for the glasses of architecture, automobile, airplane, high-speed railway and shipping such as washing and drying machine, combining machine, pre-pressing machine, loading& unloading machine, PVB-film stretching machine, vacuum pre-pressing machine for automobile glass and vacuum cabinet, chemical tempering furnace for tempering production line, intermittent thermal bending furnace, 4 chambers thermal bending furnace, 28 chambers continuous thermal bending furnace for thermal bending glass.

High-quality and perfect after-services make our products win the markets and clients both domestic and overseas. Laminated lines have been well sold to America, the United Kingdom, Columbia, Mexico, Germany, Italy, Brazil, Spain, Greece, Holland, Russia, Korea, Malaysia, Indonesia, Vietnam, Thailand, Iran, Morocco and South Africa etc. We won the acclaims from the customers both domestic and overseas.

We have got America ASME design and manufacture certificate, European Union CE design and manufacture certificate, Malaysia DOSH design and manufacture certificate, Southeast Asian MOM design and manufacture certificate and so on. Our company has passed ISO9001: 2015 quality system management certificate.

We believe quality is the first and customer is god. We always provide with the high-quality glass equipment and best service for you.



业务范围 遍及全球
BUSINESS SCOPE IS ALL OVER THE WORLD

开发 研制 生产 制造
Research Development Production Manufacturing

美国、英国、哥伦比亚、墨西哥、德国、意大利、巴西、西班牙、希腊、荷兰、俄罗斯、日本、韩国、马来西亚、印尼、越南、泰国、摩洛哥、迪拜、新加坡、法国、土耳其、以色列、罗马尼亚、沙特阿拉伯、印度、卡塔尔、菲律宾、巴基斯坦、巴勒斯坦、波兰、葡萄牙、哈萨克斯坦、约旦、科威特、阿联酋、捷克、摩纳哥、保加利亚、塞尔维亚、葡萄牙、埃及、南非、澳大利亚、厄瓜多尔、智利、阿根廷等 100 多个国家。

America, United Kingdom, Columbia, Mexico, Germany, Italy, Brazil, Spain, Greece, Netherland, Russia, Japan, South Korea, Malaysia, Indonesia, Vietnam, Thailand, Morocco, Dubai, Singapore, France, Turkey, Israel, Romania, Saudi Arabia, India, Qatar, Philippine, Pakistan, Palestine, Poland, Portugal, Jordan, Kuwait, United Arab Emirates, Finland, Austria, Czech republic, Egypt, South Africa, Australia, Venezuela, Ecuador, Chile and Argentina, more than 100 countries.

获得设计及制造资质 OBTAIN DESIGN AND MANUFACTURING QUALIFICATIONS

获得“设计及制造资质”

- 欧盟 CE 压力容器设计、制造许可证
- 美国 ASME 压力容器设计、制造许可证
- 东南亚 MOM 压力容器设计、制造许可证
- 马来西亚 DOSH 设计、制造许可证
- 中国压力容器设计、制造许可证 (A2 资质)
- ISO9001:2015 质量管理体系

WE HAVE PASSED

- European Union CE Pressure Vessel Design, Manufacture Certificate
- American ASME Pressure Vessel Design, Manufacture Certificate
- Southeast Asia MOM Pressure Vessel Design, Manufacture Certificate
- Malaysia DOSH Design, Manufacture Certificate
- Chinese Pressure Vessel Design, Manufacture Certificate
- ISO9001: 2015 Quality System Management Certificate



企业证书和荣誉 COMPANY QUALIFICATIONS AND HONOR



气压釜欧盟 CE 设计、制造许可证
 European Union CE Design,
 Manufacture Certificate for Auto-clave
 中国压力容器设计、制造许可证 (A2 资质)
 AUTOMATIC TRANSITION LINE FOR AUTOMOBILE
 GLASS AUTOCLAVE



美国 ASME 压力容器设计、制造许可证
 American ASME Pressure Vessel
 Design, Manufacture Certificate
 ISO:2015CN09/10018
 ISO:2015 质量管理体系认证证书
 ISO 9001:2015 Quality management Certificate



马来西亚 DOSH 设计、制造许可证
 Malaysia DOSH design,
 Manufacture Certificate
 东南亚 MOM 压力容器设计、制造许可证
 Southeast Asia MOM Pressure Vessel
 Design, Manufacture Certificate

知名企业案例
SUCCESSFUL CASES

公司自 1994 年成立以来，共计销售国内外 8000 多套气压釜，1000 多条夹层线。
Since founded in 1994, the company has sold more than 8000 sets of autoclaves and 1000 sets of laminated lines in total both domestic and overseas.

 中国福耀集团 China Fuyao Group		 中国北玻	
 中国南玻集团		 中国信义玻璃	
 中国汉能控股集团		 中国旗滨集团	
 中国耀皮集团			

 法国圣戈班		 日本旭硝子	
 美国PGW公司		 美国加迪安	

国内知名大企业

福耀集团购买我司气压釜达 120 多台，及其他夹层玻璃等设备 100 多台。
信义集团购买我司气压釜达 80 多台，及其他夹层玻璃等设备近 100 台。
南玻集团购买我司气压釜 30 多台，及其他夹层玻璃等设备几十台。
耀皮集团购买我司气压釜达 30 多台，及其他夹层玻璃等设备几十台。
天津北玻公司为苹果店项目购买我司多台气压釜和生产 4500×24000mm 夹层玻璃的生产线。

国外知名大企业

法国圣戈班：波兰公司，西班牙公司，德国公司，韩国公司，墨西哥公司，摩洛哥公司，捷克公司，巴西公司、印度公司、中国上海等十几个公司先后购入工作周期 90 分钟的多台气压釜及其他玻璃机械设备。
日本旭硝子、印度旭硝子先后购买多套快速气压釜。
英国皮尔金顿先后购买我司多台气压釜。
美国加迪安先后购买 2 套高配高速真空预热压机。

Major Customers in Domestic Market

Fuyao Glass Group purchased more than 120 sets of autoclaves and more than 100 machines of laminated glass production lines
Xinyi Group purchased over 80 sets of autoclaves and dozens of machines of laminated glass production lines.
Nanbo Group purchased 30 sets of autoclaves and dozens of machines of laminated glass production lines.
Yaopi Group purchased 30 sets of autoclave and dozens of machines of laminated glass production lines.
Tianjin North Glass Company purchased many sets of autoclave and the laminated glass production lines that can produce 4500×24000mm glass for Apple Shop Project.

Major Customers in Overseas Market

France Saint Gobain Group: Poland Company, Spain Company, Germany company, South Korea company, Mexico company, Morocco Company, Czech republic Company, Italy Company, etc. successively purchased dozens of autoclaves with 90 minutes working cycle and other glass machines.
Japan Asahi, India Asahi company purchased many sets of autoclaves.
British Pilkington group purchased many sets of autoclaves.
American Guardian purchased 2 sets of vacuum pre-pressing machines.

夹层玻璃气压釜 AUTO-CLAVE USED FOR LAMINATED GLASS PRODUCTION LINE

特点

- 平面及弯曲夹层玻璃
- 温度、压力程序自动控制
- 安全联锁装置

Features

- Flat&bent Laminated glass.
- Temperature and pressure are auto-controlled.
- Safe inter-locking device.



发明专利号 (Invention Patent No.): ZL200810011939

技术参数 Technical Parameters

型号 Model	加工玻璃尺寸 Working glass dimension	工作压力 Working pressure	工作温度 Working temperature	工作介质 Working medium	总功率 Total power
YF45A	4000×24000mm	1.3MPa	150°	压缩空气 Compressed air	1800kw
YF40A	3600×18500mm	1.3MPa	150°	压缩空气 Compressed air	1100kw
YF36A	3300×5000mm	1.3MPa	150°	压缩空气 Compressed air	390kw
YF33A	3000×5000mm	1.3MPa	150°	压缩空气 Compressed air	352kw
YF32A	2800×5000mm	1.3MPa	150°	压缩空气 Compressed air	282kw
YF30A	2600×5000mm	1.3MPa	150°	压缩空气 Compressed air	232kw
YF28A	2440×5000mm	1.3MPa	150°	压缩空气 Compressed air	205kw
YF25A	2200×5000mm	1.3MPa	150°	压缩空气 Compressed air	123kw
YF20A	1700×5000mm	1.3MPa	150°	压缩空气 Compressed air	95kw

设备制造的各种产品应用 PRODUCT APPLICATION



建筑玻璃 Architecture glass



汽车玻璃 Automobile glass



高速火车玻璃 Bullet Train glass



轮船玻璃 Ship glass



飞机机翼·玻璃 Airplane wing glass



LED 显示屏 LED



太阳能组件 Solar panel



复合材料碳纤维 Composite carbon fiber

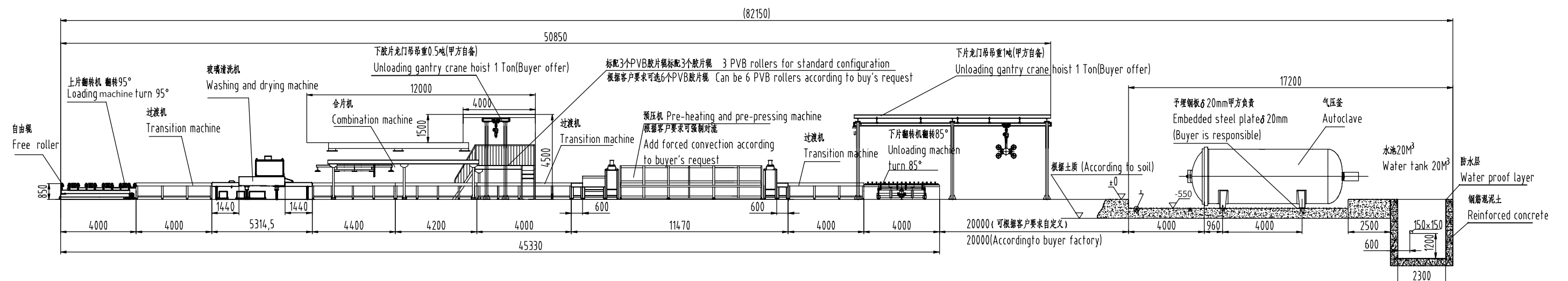
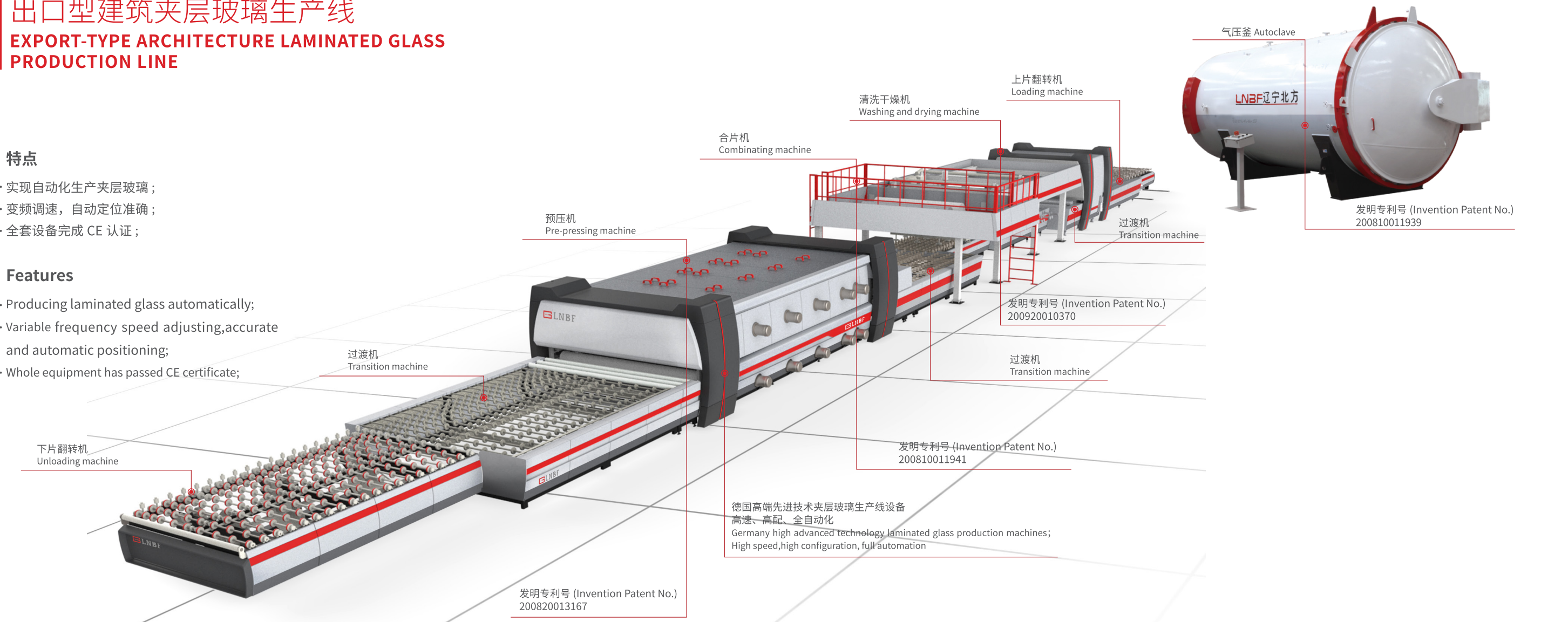
出口型建筑夹层玻璃生产线 EXPORT-TYPE ARCHITECTURE LAMINATED GLASS PRODUCTION LINE

特点

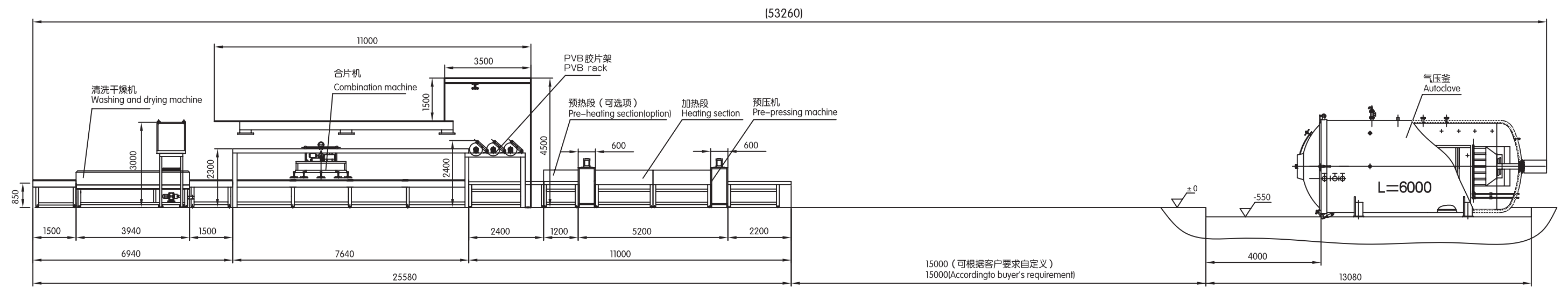
- 实现自动化生产夹层玻璃；
- 变频调速，自动定位准确；
- 全套设备完成 CE 认证；

Features

- Producing laminated glass automatically;
- Variable frequency speed adjusting, accurate and automatic positioning;
- Whole equipment has passed CE certificate;



标准型建筑夹层玻璃生产线
STANDARD TYPE ARCHITECTURE LAMINATED GLASS
PRODUCTION LINE



QX25A 不锈钢玻璃清洗干燥机 QX25A STAINLESS STEEL GLASS WASHING AND DRYING MACHINE

特点

- 清洗水可循环使用;
- 满足清洗离线双银、三银 Low-E 玻璃;
- 清洗部分和干燥部分可升高到 400mm;
- 清洗玻璃厚度数字显示;

Features

- Washing water can be used circularly;
- Satisfy the requirement for washing off-line double silver, three silver Low-E glass;
- The washing and drying section can be risen to 400mm;
- The thickness of washing glass is digital-display;



QX25B

发明专利号 (Invention Patent No.)200920010370

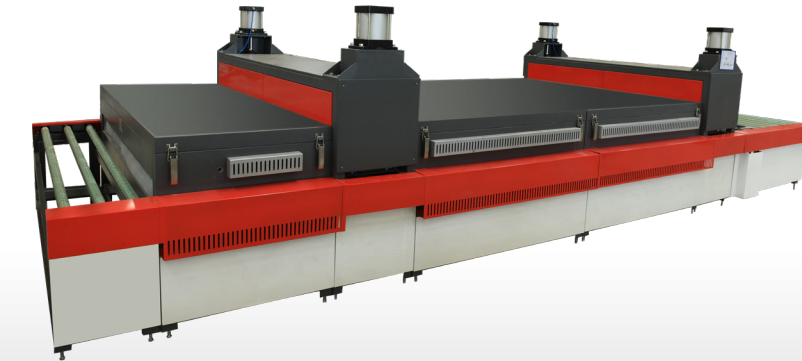
技术参数 Technical Parameters

型号 Model	清洗玻璃宽度 Glass width	清洗玻璃厚度 Glass thickness	总功率 Total Power	
			速度 Speed 6000mm/min	速度 Speed 8000mm/min
QX16B	1600mm	2mm-25mm	20kw	30kw
QX22B	2200mm	2mm-25mm	24kw	40kw
QX25B	2440mm	2mm-25mm	30kw	45kw
QX30B	3000mm	2mm-25mm	45kw	60kw
QX33B	3300mm	2mm-25mm	45kw	60kw

全自动无人合片机 AUTOMATIC UNMANNED COMBINING MACHINE



UY25A 预热预压机 UY25A PRE-HEATING AND PRE-PRESSING MACHINE

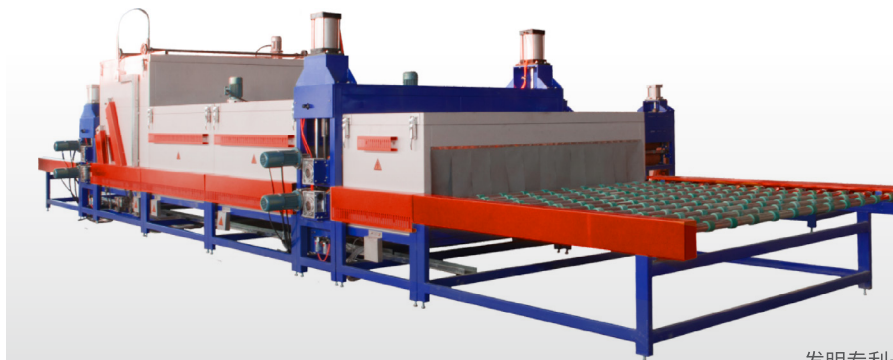


发明专利号 (Invention Patent No.) 200820013167

技术参数 Technical Parameters

型号 Model	加工玻璃尺寸 Working glass dimension	加工玻璃厚度 Working glass thickness	运行速度 Running speed	总功率 Total power
UY25A	2440×4000mm	40mm	500-2000mm/min (速度可调 Speed adjustable)	111kw

UY25W 弯预热预压机 UY25W BEND PRE-HEATING AND PRE-PRESSING MACHINE

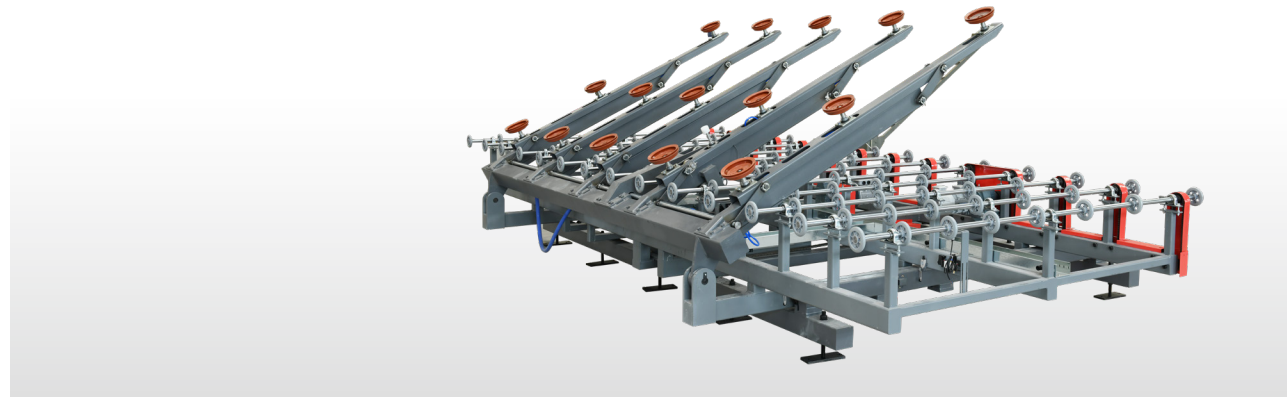


发明专利号 (Invention Patent No.)200910011305

技术参数 Technical Parameters

型号 Model	加工玻璃尺寸 Working glass dimension	加工玻璃厚度 Working glass thickness	预压弯玻璃弧深 Pre-pressing bent glass arc depth	运行速度 Running speed	总功率 Total power
UY25W	2440×3000mm	25mm	350mm/min 2000mm ≥弧长 (Arc length) ≥ 700mm	200-1000mm/min (速度可调 Speed adjustable)	128kw

SP25A 上片翻转机
SP25A LOADING MACHINE



技术参数 Technical Parameters

型号 Model	翻转玻璃尺寸 Tilting glass size	吸盘翻转角度 Suction cup tilting angle	翻转玻璃重量 Tilting glass weight	总功率 Total power
SP25A	2500×4000mm	95±2°	1000Kg	9.6kw

XP25A 下片翻转机
XP25A UNLOADING MACHINE



技术参数 Technical Parameters

型号 Model	翻转玻璃尺寸 Tilting glass size	翻转角度 Tilting angle	翻转玻璃重量 Tilting glass weight	总功率 Total power
XP25A	2440×4000mm	85±2°	1000Kg	9.6kw

UY25B 强制对流预压机
UY25B AIR CONVECTION PRE-HEATING
& PRE-PRESSING MACHINE



发明专利号 (Invention Patent No.)200810011941

特点

- 该型号强制对流预压机采用预热、预压、强制对流加热、终压的工艺流程，对夹层玻璃，尤其是 Low-E 夹层玻璃的加工有特殊效果。
- 本台强制对流预压机在强制对流加热段炉体侧部有电机带动风机产生强制对流循环风作用于玻璃表面的传热，可穿透 Low-E 玻璃的膜面进行均匀加热。

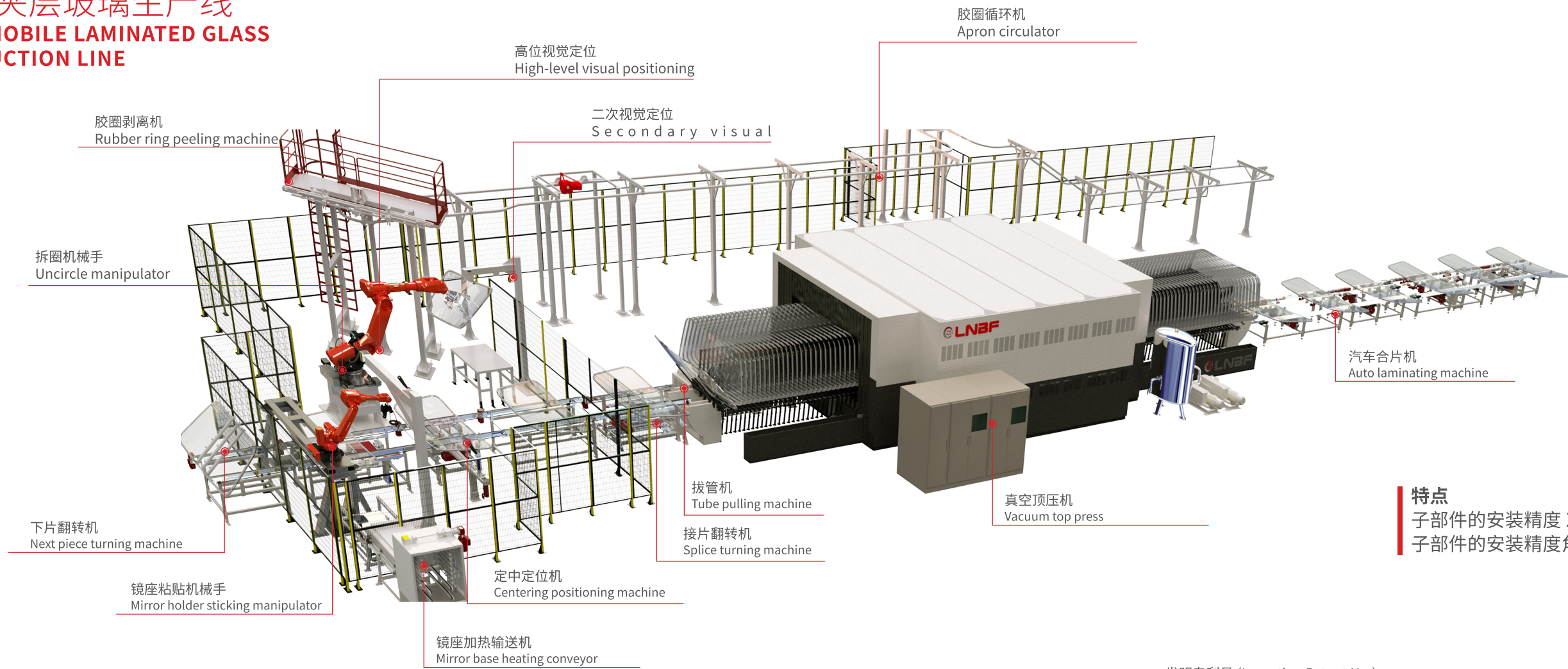
Features

- This type of air convection pre-heating & pre-pressing machine includes pre-heating section, pre-pressing section, air convection section and final pressing section. It's the special equipment that is used for processing laminated glass, especially for Low-E laminated glass.
- There are several motors that are used for driving the fans to turn the adjustable pressure air onto the surface of glass on both sides of heating section of pre-heating & pressing machine. That could be better for uniform heating inside of air convection.

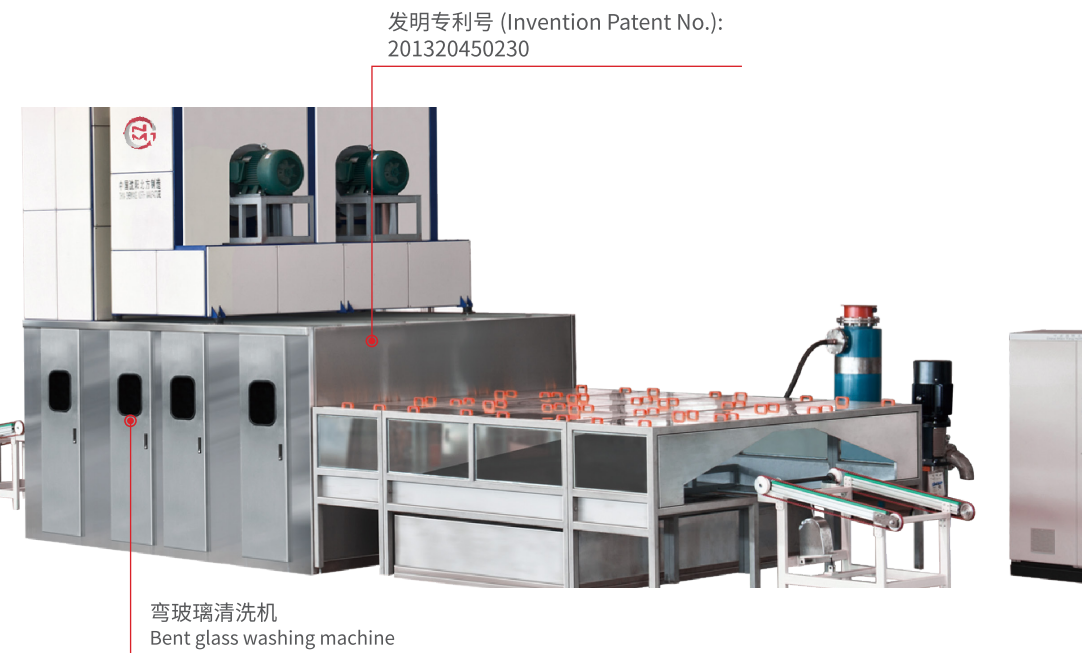
技术参数 Technical Parameters

型号 Model	最大加工玻璃尺寸 Maximum processed glass size	加工玻璃厚度范围 Processing glass thickness range	运行速度 Running Speed	总功率 Total Power
UY25B	2440×4000mm	6-80mm	0-4000mm/min	169kw
UY30B	3000×5000mm	6-80mm	0-4000mm/min	210kw
UY33B	3300×6000mm	6-80mm	0-4000mm/min	235kw

汽车夹层玻璃生产线
AUTOMOBILE LAMINATED GLASS
PRODUCTION LINE



特点
子部件的安装精度 X-Y: +/-1.0mm
子部件的安装精度角度: +/-1.0°



YF30B 全自动汽车玻璃气压釜
YF30B COMPLETELY-AUTOMATIC AUTO-CLAVE(USED FOR AUTOMOBILE GLASS)



特点

- 实现全部自动化;
- 每釜循环周期 90 分钟;
- 无泄漏, 全密封电机。

Features

- Completely automatic.
- Cycle period is 90 min.
- No leakage, sealing electric motor.

YF25C 全自动汽车玻璃气压釜
YF25C COMPLETELY-AUTOMATIC AUTO-CLAVE (UESD FOR AUTOMOBILE GLASS)



技术参数 Technical Parameters

型号 Model	加工玻璃尺寸 Working glass dimension	工作压力 Working glass pressure	循环周期 Cycle time
YF25C	1850×1250mm	1.3MPa	150mim/autoclave

RB2436 间歇式热弯炉
RB2436 INTERMITTENT THERMAL BENDING FURNACE(USED FOR AUTOMOBILE GLASS)



特点

- 中间室加热, 两边为冷却室
- 适合弯曲大巴车玻璃和深弯汽车玻璃
- 根据买方要求, 弯深弯玻璃时, 6 组加热器升降
- 有纵向和中心横向远红外加热器分布, 便于弯曲玻璃
- 六组加热器可升降 (可选项)

Features

- The middle room is heating furnace, two sides rooms are cooling rooms.
- Suitable for bending bus glass and deep bending of automobile glass.
- According to the customer's request, there are six groups of lifting heaters when producing deep bending glass
- Distribute lengthwise and horizontal far infrared heaters, convenient for bending glass
- Six groups of heaters can lift up(Option)

技术参数 Technical Parameters

型号 Model	加工玻璃尺寸 Working glass dimension	加工玻璃厚度 Working glass thickness	弯曲弧深 Arc depth	炉车内腔尺寸 (W×L×H) Internal dimension of wagon	炉车运行速度 Running speed of wagon	总功率 Total power
RB2436	2400×3600mm	2-19mm	400mm	2900×4200×600mm	1000mm/min	240kw
RB2030	2000×3000mm	2-19mm	400mm	2500×3600×600mm	1000mm/min	210kw
RB1725	1700×2500mm	2-19mm	400mm	2200×3100×600mm	1000mm/min	180kw

RB28A 连续热弯炉 (汽车玻璃)
RB28A CONTINUOUS THERMAL BENDING FURNACE(USED FOR AUTOMOBILE GLASS)



特点

- 连续自动化生产, PLC 计算机控制;
- 产量大、成品率高;
- 根据买方要求, 可达到多室连续生产, 45 秒生产一对玻璃;

Features

- Produce automatically and continuously, controlled by PLC computer.
- Large production capacity and high finished product rate.
- According to the customer's request, can produce continuously in multi-rooms, one pair of glass can be produced in 45 seconds.

发明专利号 (Invention Patent No.)201320450258

技术参数 Technical Parameters

型号 Model	热弯玻璃尺寸 Working glass size	弯曲弧深 Bending arc depth	加工玻璃厚度 Working glass thickness	参耗 Power	玻璃车数量 Quantity of glass trolley	工作温度 Working temp	总功率 Total power
RB28A	1100×1800mm	150mm	2-6mm	6.5kwh/m ²	28 pcs	600-630°C	780kw

BJ2552A 钢化玻璃均质炉 BJ2552A TEMPERED GLASS HEAT SOAK FURNACE



发明专利号 (Invention Patent No.)2009202003137

特点

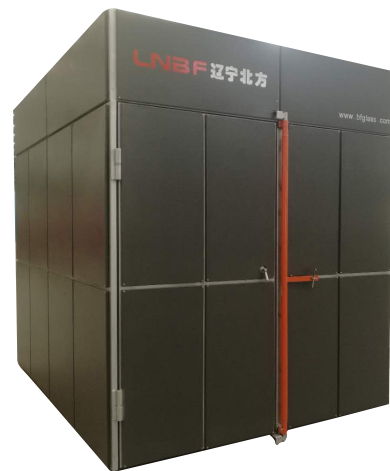
- 使钢化玻璃的表面达到应力均化，不再有内应力，不再自爆
- 满足工艺使用要求和欧盟 BS EN 14179-1:2005 标准；
- 炉两侧布置加热器，循环风机在炉两侧，将加热空气送到 炉内，循环使用，达到加热及保温；
- 此系统采用 PLC 控制升温、恒温及降温，工艺参数及温度曲线使用计算机存储、打印。

Features

- Make the surface of tempering glass reach stress homogenization, no innerstress, no self-explosion.
- It meets the requirements of process use and EU BS EN 1479-1:2005 standard;
- Put the heaters at both sides of furnace, cycle blowers at both sides of furnace, blow the hot air into the furnace and cycle using, reaching the effect of heating and keeping warm.
- The system uses PLC to control the temperature rise, constant temperature and temperature drop, and the process parameters and temperature curve are stored and printed by computer.

技术参数 Technical Parameters

型号 Model	加工玻璃尺寸 Working glass dimension	加工玻璃厚度 Working glass thickness	工作温度 Working temperature	温度控制精度 Temperature controlling accuracy	总功率 Total power
BJ2552A	2500×5200mm	3-25mm	280-300°C	290±10°C (保温/Keeping warm)	279kw



JZ24A 夹层玻璃真空预压炉 JZ24A LAMINATED GLASS VACUUM PRE- PRESSING FURNACE

特点

- 是用于曲面夹层玻璃生产的专用设备，合好片的夹层玻璃，经加热和抽真空，抽出玻璃与胶膜间的空气，再经气压釜设备，从而制成合格的夹层玻璃。

Features

- It is the special equipment used for producing bent laminated glass. The combined laminated glass through heating and vacuum, deflates the air between the glass and PVB film. And then through the Auto-clave equipment to make the best quality laminated glass.

技术参数 Technical Parameters

型号 Model	加工玻璃尺寸 Working glass dimension	工作温度 Working temperature	真空度 Vacuum degree	总功率 Total power
JZ24A	2400×3600mm	100-120°C	9×10 ⁻³ MPa	96kw
JZ22A	2200×2800mm	100-120°C	9×10 ⁻³ MPa	79kw

QX15B 汽车玻璃清洗干燥机 QX15B WASHING AND DRYING MACHINE (USED FOR AUTOMOBILE GLASS)



技术参数 Technical Parameters

型号 Model	清洗玻璃宽度 Washing glass width	清洗玻璃厚度 Washing glass thickness	清洗玻璃速度 Glass running speed	加热功率 Heating power	总功率 Total power
QX15B	1500mm	2mm-6mm	1000-8000mm/min (速度可调 Speed adjustable)	36KW	74KW

QX20W 弯玻璃清洗机 QX20W BEND WASHING MACHINE



发明专利号 (Invention Patent No.)201320450230

技术参数 Technical Parameters

型号 Model	清洗玻璃尺寸 Washing glass dimension	清洗玻璃厚度 Washing glass thickness	清洗玻璃速度 Washing glass speed	总功率 Total power
QX20W	2000×1250mm	1.8mm-6mm	2000-8000mm/min (速度可调 Speed adjustable)	98kw
QX24W	2400×1250mm	1.8mm-6mm	2000-8000mm/min (速度可调 Speed adjustable)	120kw

BZ1218B 真空预压机 (VPL 线) (轿车玻璃)
BZ1218B VACUUM PRODUCTION LINE (CAR GLASS)



技术参数 Technical Parameters

型号 Model	加工玻璃尺寸 Working glass dimension	工作温度 Working temperature	真空度 Vacuum degree	产量 Capacity	总功率 Total power	应用 Application
BZ1218A	1250×1850mm	100-130°C	9×10 ⁻² MPa	35-40S/片 pcs	218kw	轿车玻璃 / Car glass
BZ1218B	1250×1850mm	100-130°C	9×10 ⁻² MPa	20S/片 pcs	278kw	轿车玻璃 / Car glass
BZ1324A	1300×2400mm	100-130°C	9×10 ⁻² MPa	40-50S/片 pcs	216kw	大巴玻璃 / Bus glass

BZ1324A 真空预压机 (VPL 线) (大巴玻璃)
BZ1324A VACUUM PRODUCTION LINE (BUS GLASS)



特点

- 抽空效果好, 无气泡;
- PLC 控制, 全部自动化;
- 适宜汽车玻璃的大批量生产;
- 双传输抽真空系统, 效率高。

Features

- Good vacuum-pumping effect, no bubbles.
- PLC control, complete automation.
- Suitable for automobile glass mass production.
- Two conveying vacuum system, high efficiency.

汽车玻璃气压釜前后自动传输线
AUTOMATIC TRANSITION LINE FOR AUTOMOBILE GLASS AUTOCLAVE



JL16A PVB 胶片拉伸机
JL16A PVB FILM STRETCHING MACHINE



特点

- 根据需要拉不同弧度的扇形及其他形状;
- 冷却段为水冷式, 冷却效果稳定;
- 加工后的胶片薄厚均匀, 不改变胶片本身的粗糙度;
- 操作方便, 生产效率高;

Features

- According to the request, stretch to different radian fan-shaped and other shapes.
- Cooling section is Water-Cooled. The effect of cooling is stable.
- The thickness of worked film is even, and the roughness of the film will not be changed.
- Simple operation, high production efficiency.

技术参数 Technical Parameters

型号 Model	拉伸宽度 Stretching width	拉伸弧深 Stretching arc depth	增加使用面积 Adding usage area	总功率 Total power
JL16A	1600mm	30-50mm/m	10-15%	18kw

HG1824A 化学钢化炉 HG1824A CHEMICAL TEMPERING FURNACE

我公司化学钢化炉加工的化学钢化玻璃在中国高铁玻璃领域占有绝对100% 市场优势
The glass used for Chinese high-speed trains are all produced by our chemical tempered furnace, we have 100% market superiority



三台化学钢化炉
Three chemical tempering furnaces

发明专利号 (Invention Patent No.): 20082001075

特点

- 表面完全不会变形，不会有波纹，易于夹层玻璃生产；
- 适合任何厚度、形状或弯曲玻璃；
- 可钢化超薄玻璃，一般物理钢化最大极限为 2.8mm，化学钢化 0.5mm 以上；
- 强度高，是物理钢化玻璃的 3 - 5 倍；
- 可生产高强度单片防火玻璃。

Features

- High optical quality, no any distortion, wave and other defects on the surface, easy for laminated glass process
- Suitable for producing any shape and thickness glass, including bent glass.
- Can temper ultra-thin glass, the maximum limit of physical temper is 2.8mm, chemical temper is over 0.5mm.
- High intensity, 3-5 times intensity than physical temper glass.
- Can produce single-chip fireproof glass of high intensity.

技术参数 Technical Parameters

型号 Model	加工玻璃尺寸 Working glass dimension	加工玻璃厚度 Working glass thickness	玻璃车运行速度 Glass trolley running speed	玻璃车升降速度 Lifting speed of glass trolley	总功率 Total power
HG1824A	1800×2400mm	0.5-12mm	400mm/min	200mm/min	420kw
HG1830A	1800×3000mm	0.5-12mm	400mm/min	200mm/min	480kw
HG2330A	2300×3000mm	0.5-19mm	400mm/min	200mm/min	520kw
HG2532A	2500×3200mm	0.5-19mm	400mm/min	200mm/min	560kw

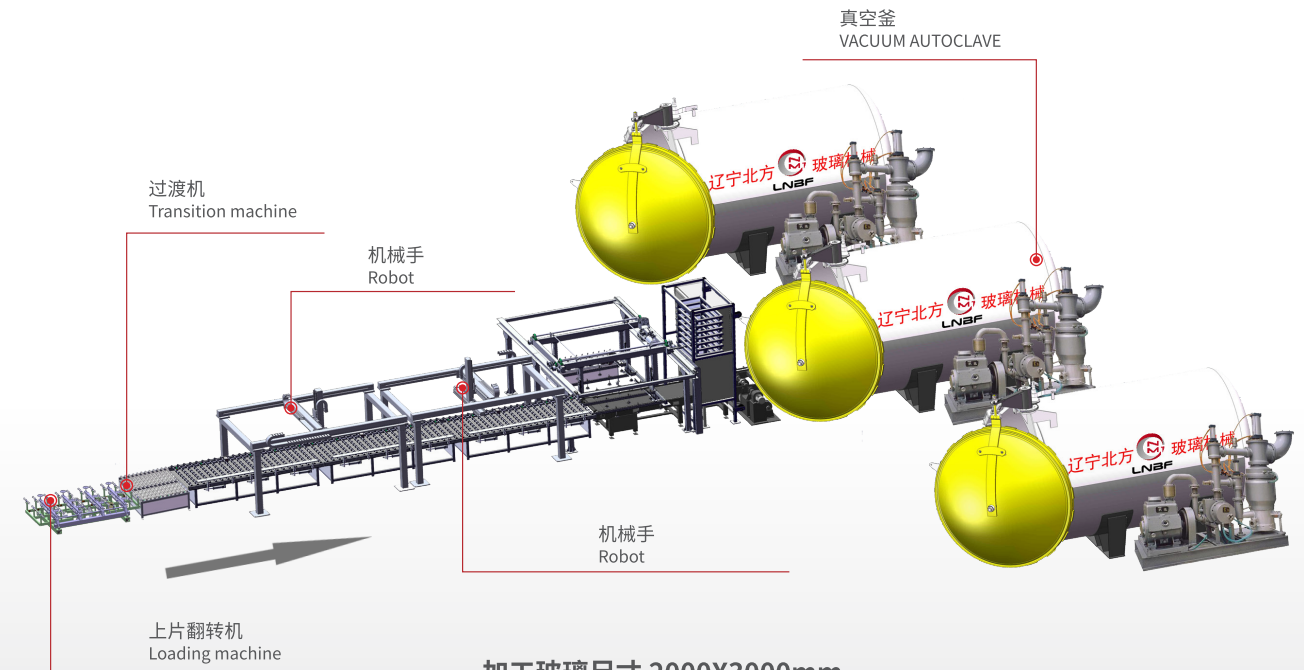
图片与参数仅供参考，最终以实际确定的设备为准
Pictures and parameters are for reference only and will ultimately be based on the actual equipment



复合材料气压釜 COMPOSITE MATERIALS AUTOCLAVE



ZB2030A 型一步法连续真空玻璃生产线 ZB2030A ONE-STEP CONTINUE VACUUM GLASS PRODUCTION LINE



加工玻璃尺寸 2000X3000mm
Working glass dimension:2000x3000mm

投资小 产量大
Small Investment, Large Yield
真空玻璃设备的革命
Revolution in vacuum glass equipment