GOLIVE 高力威

创 新 驱 动　　智 领 未 来

广东高力威机械科技有限公司

GUANGDONG GOLIVE MACHINERY TECHNOLOGY CO.,LTD

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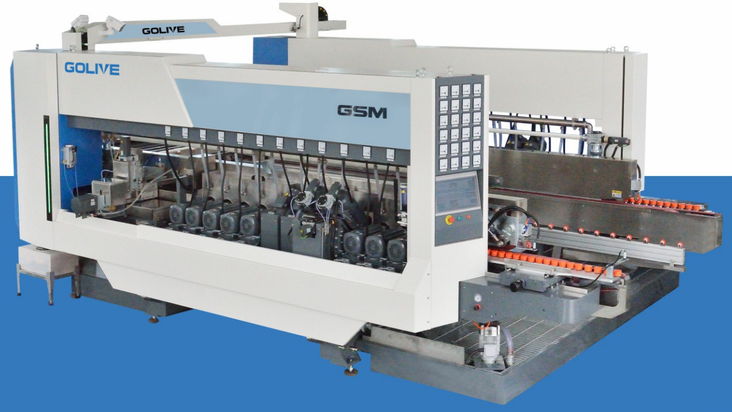
产品不断改良，机器外观与技术参数变更时，均以合同为准，恕不另行通知

The product is continuously improved, and the appearance and technical parameters of the machine are subject to the contract without prior notice.

微信视频号　　抖音号

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GLOBAL LEADER IN

GLASS DEEP PROCESSING TECHNOLOGY

全球玻璃深加工技术的领航者

企业文化

GOLIVE Corporate Culture

GOLIVE 高力威

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➢ 理念

公司经营理念：我们追求自然和谐。
市场战略理念：我们通过不断创新、持续改进，最终成为玻璃深加工技术的领航者。
经营体制理念：我们践行三公、三民，追求员工物质、精神的幸福。
社 会 性 理 念：我们追求与社会相融共生。
人 材 理 念：我们坚持人材姿势×意识×执行力×见识(Know-how)的培养。

CONCEPT

Operation philosophy: We seek natural harmony.
Market strategic philosophy: Eventually become the world's leader of glass deep processing,making through continuous innovation andimprovement.
Operating system philosophy: We pursue employees substance and spiritual happiness.
Social philosophy: We pursue social symbiotic.
Personnel philosophy: We insist on cultivating talent ×awareness ×executive force× insight.

➢ 使命

在追求全体员工物质和精神两方面幸福的同时，以世界领先的玻璃深加工智能质造技术、应用和服务，推动玻璃产业持续进步

MISSION

In pursuit of both material and spiritual happiness of all employees, at the same time, with the world's leading glass deep processing intelligent quality technology, application and service, to promote the glass industry to continue to progress

➢ 愿景

成为全球玻璃深加工技术的领航者

VISION

Become a global leader in glass deep processing technology

➢ 价值观

诚信利他　高效创新

VALUES

Honest and altruistic, efficient and innovative

➢ 品牌承诺

只为客户的每一次满意而努力；只为客户的每一次感动而创新。

BRAND COMMITMENT

To strive for every satisfaction of customers; To innovate for every touch of customers.





ABOUT US

关于我们

高力威，玻璃深加工智能工厂方案设计、设备制造、系统集成服务商，国家专精特新小巨人企业、国家高新技术企业、国家知识产权优势企业、广东省工业互联网应用标杆企业、广东省省级企业技术中心。旨在研发建筑玻璃、太阳能玻璃、产业(展示、水族、电子、电器、家居)玻璃世界领先的仓储技术、磨边技术、清洗技术、检测技术、理片优化技术、搬运传输技术，为世界玻璃深加工行业顶层设计清洁、节能、高效、智能的整体解决方案和项目实施。

高力威，二十多年如一日，我们“初心”不渝，专注推动玻璃深加工技术的进步，致力让“企业标准”成为“行业标准”，“中国标准”成为“世界标准”。我们始终坚持“匠心”质造，技术创新，迭代产品，向全球客户输出价值产品与精益服务。我们“真心”育人和做事，坚信和践行“品牌的背后是品质、品质的背后是品格、品格的背后是人格、人格的背后是哲学”的理念。展望未来，我们“信心”满怀，颠覆行业的数质、互联与用户体验，引领行业迈进数质未来。

高力威，创新驱动，智领未来。愿与全球客户携手并肩，共同成为高收益企业和幸福企业！

GOLIVE is a program design, equipment manufacturing and system integration service provider for glass deep processing intelligent factory. It is a national small giant enterprise, a national high-tech enterprise, a national enterprise with intellectual property advantages, an industrial Internet application benchmarking enterprise of Guangdong Province, and a provincial enterprise Technology center of Guangdong Province. It aims to develop world-leading storage technology, edging technology, cleaning technology, testing technology, chip optimization technology, handling and transmission technology for building glass, solar glass, industrial (exhibition, aquarium, electronics, electrical appliances, household) glass, and design clean, energy-saving, efficient and intelligent overall solutions and project implementation for the top level of the world's glass deep processing industry.

GOLIVE, more than 20 years, our "original intention" unswervingly, focus on promoting the progress of glass deep processing technology, is committed to making "enterprise standard" become "industry standard", "China standard" become "world standard". We always adhere to the "ingenuity" of quality, technological innovation, iterative products, to export value products and lean services to global customers. We educate people and do things "sincerely", firmly believe and practice the idea that "behind the brand is quality, behind the quality is character, behind the character is personality, behind the personality is philosophy". Looking into the future, we are full of "confidence" to disrupt the industry's digital quality, interconnection and user experience, and lead the industry into the future of digital quality.

GOLIVE, Number of wisdom to empower, new quality forward. We are willing to work hand in hand with global customers to become a high-yield enterprise and a happy enterprise!

发展历程 DEVELOPMENT HISTORY

GOLIVE 高力威
创 新 驱 动　　智 领 未 来

26年的茁壮成长，
荣誉记载历史的脚步，
未来更精彩……

26 years' vigorous growth
Reviewing the significant
development moments by honors
More magnificent future

2000-2007

The first double edger of golive was born.
高力威第一台双边机诞生并投入使用。



Cooperated with Dongguan Yintong Group, further upgrading our equipments precision and efficiency.
高力威和东莞银通集团合作。

Successfully cooperated with Xinyi Glass Holdings Ltd and supplied automatic edging production lines totherm.
高力威和信义集团合作，为其提供磨边自动化的生产线。

2018

Cooperated with IRICO Group again, the complete automation of the solar glass deep-processing plant has been successfully completed, which makes the industry closer to Industry 4.0 of glass deep-processing industry.
与彩虹再次携手，太阳能玻璃加工整厂自动化圆满运行，奠定在4.0项上又一华丽篇章。

2021

In collaboration with Jingxiu's future prospects, we have developed a 18-meter ultra-large-sized four-sided crystal edge grinding machine, setting a new industry standard.
与景绣前程深度合作，打造 18 米超大版四边水晶磨边机，再创行业标杆。

Join hands with Shennan Yi, jointly build the first 9-meter ultra-large edge grinding line in South China, and lead the new benchmark for glass deep processing.
携手深南益，共创华南首条 9 米超大版磨边线，引领玻璃深加工新标杆。

Connect with Shangda Intelligent of Haiyang, And jointly build a smart digital factory.
与海阳顺达智能连线，共建智慧数字化工厂。

Henan Zhongbo joins hands with us to empower high-end glass deep processing with a 9-meter precision grinding line, jointly building quality and win-win outcomes.
河南中玻携手我方，以 9 米精磨线赋能高端玻璃深加工，共筑品质与共赢。

2023

The largest system door and window glass factory automatic production line in southwest China.
西南最大的系统门窗玻璃整厂全自动生产线。

Cooperate with Jiangyin Longxiang to create automatic intelligent production line of system door and window glass.
与江阴龙翔合作打造系统门窗玻璃全自动整厂智能生产线。

Partner with Zhejiang Jinbei to build an automated BIPV production line, covering the entire process from cutting, grinding, drilling, chamfering, screen printing, to tempering.
携手浙江金贝，打造全自动化 BIPV 生产线，覆盖切割、磨边、钻孔、倒角、丝印、钢化全流程。

Cooperating with Xingguan Glass to build an automated factory production line, we empower quality upgrading with sophisticated processes and equipment.
携手星冠玻璃打造自动化正厂连线，以精尖工艺与装备赋能品质升级。

2025

Global Layout! We assisted OGT in building a fully automatic photovoltaic production line, with Phase I to Phase III successfully put into mass production.
布局全球!助力OGT公司打造全自动光伏生产线，项目一期至三期成功落地量产。

We have built a fully automatic mirror glass production line for Zhaoqing Kuansheng Glass, realizing a fully contact-free production process covering cutting, edge grinding, chamfering and tempering.
为肇庆宽晟玻璃打造镜子玻璃全自动生产线，实现切割、磨边、倒角、钢化全流程不落地生产。

Help Zhongshan Jiangqi to build a fully automated mirror glass production line, which can complete cutting, grinding, chamfering and inspection in one step.
助力中山江启，打造镜子玻璃全自动生产线，切割、磨边、倒角、检测一站式完成。

Partnering with Europe's TVITEC Group, we jointly build high-precision glass edge grinding lines, expand into high-end overseas markets, and demonstrate our international strength.
携手欧洲 TVITEC 集团，共建高精度玻璃磨边线，布局高端海外市场，彰显国际实力。

2000

高力威公司成立。
Golive established.

2013-2017

与天津北玻集团合作研发智能化双边机，满足苹果形象店高端玻璃磨边需求，以前瞻性设计助力智能工厂发展，打造出高自动化智能化双边机。
Collaborating with Tianjin Beibo Group to develop an intelligent bilateral machine, which meets the high-end glass grinding requirements of Apple image stores. With forward-looking design, it helps promote the development of intelligent factories and creates a highly automated and intelligent bilateral machine.



高力威公司原片仓储系统与智慧母厂落成，为快速定制 “三个一工程” 筑牢根基，成功从传统设备制造企业转型为智能制造企业与玻璃深加工方案服务商。
The original warehouse system of Gao Liwei Company and the establishment of the intelligent parent factory have laid a solid foundation for the rapid implementation of the "Three-One Project", successfully transforming the company from a traditional equipment manufacturing enterprise into an intelligent manufacturing enterprise and a provider of glass processing solutions.

与江西博信深度合作，打造国内首条国产设备整厂连线生产线，实现从原片到中空成品玻璃不落架，建成玻璃深加工数字化智能工厂。
We have carried out in-depth cooperation with Jiangxi Boxin, and have built the first domestic equipment integrated production line in the country, achieving seamless production from raw materials to hollow finished glass. We have also established a digital intelligent factory for glass processing.

2020

再度与旗滨集团五大基地达成磨边及智能理片分拣自动化连线的战略合作。
Once again, we have reached strategic cooperation with five bases of Qibin Group in edging and automatic connection of intelligent chip sorting.

2022

与耀皮集团各大基地提供智能磨边线。
With Yaopi Group major bases to provide intelligent edge grinding line.

与台资上市公司威霖合作打造卫浴玻璃全自动智能化生产线。
Cooperated with Taiwan - funded listed company Wellin to create automatic intelligent production line of sanitary glass.

携手山东晶城，落地全厂自动化生产线，以全链智能智造升级实力，共赢未来。
Partnering with Shandong Jingcheng, we have implemented a fully automated production line across the entire plant, upgrading our strength through end-to-end intelligent manufacturing to achieve win-win cooperation for the future.

与鹏昊集团四大基地合作打造系统门窗全自动智能生产线。
Cooperate with four bases of Penghao Group to build automatic intelligent production lines for system doors and Windows.

2024

出海澳大利亚！为LONG GLASS打造门窗玻璃全自动生产线，实现切割、磨边、钢化、中空全连线，输出数字化智造经验。
Expanding to Australia! A fully automatic window & door glass line for LONG GLASS, delivering end-to-end integrated production and sharing digital manufacturing solutions.

与沭阳华新合作打造连续钢化炉全自动整厂智能生产线。
Cooperate with Shuyang Huaxin to build automatic intelligent production line of continuous tempering furnace.

携手佛山金仕捷，打造华南系统门窗玻璃全自动智能工厂，单日产能超万方。
Join hands with Foshan Jinshijie to build a fully automated intelligent factory for system doors, windows and glass in South China, with a daily production capacity of over 10,000 square meters.

携手台玻集团各大基地，提供超大板端头磨线与精磨设备，共铸行业标杆品质。
Partnering with all major bases of Taiwan Glass Group, we provide ultra-large plate end grinding lines and precision grinding equipment, jointly forging benchmark quality for the industry.

智能连线项目案例
SMART CONNECTION PROJECT CASE



旗滨集团(长兴基地)
江西博信
福建泉州鹏昊
沭阳华新
山东晶成(1-3期)
江苏顾家(无锡捷阳)
宁波威霖
山东星冠(马鞍山基地)
山东沃伦
江苏永耀
江苏耀扬
浙江金贝能源
上海佳成
江苏威士顿
安徽中皖建科
江阴龙翔
山东奥特玻璃
江苏晶博特玻璃
上海赣欣
江苏华荣
苏州诺信
合肥彩虹
宁波江花
临沂鹏昊
江苏景泰
福建南平荣坤
福建华辉
莆田众盈
上海蓝实
江苏煌朝
山东临朐华达



佛山金仕捷
旗滨集团(广东基地)
肇庆南玻
肇庆宽晟
佛山中融
中山江启
广州欧派



旗滨集团(天津基地)
河北晟昊
锦绣前程
海洋顺达
物华天宝
秦皇岛铭晶源
天津耀皮
山西晋中常氏



咸宁南玻
河南中玻
旗滨集团(湖南基地)
河南安阳中安精工
湖北奥峰
武汉亿深
潜江新龙



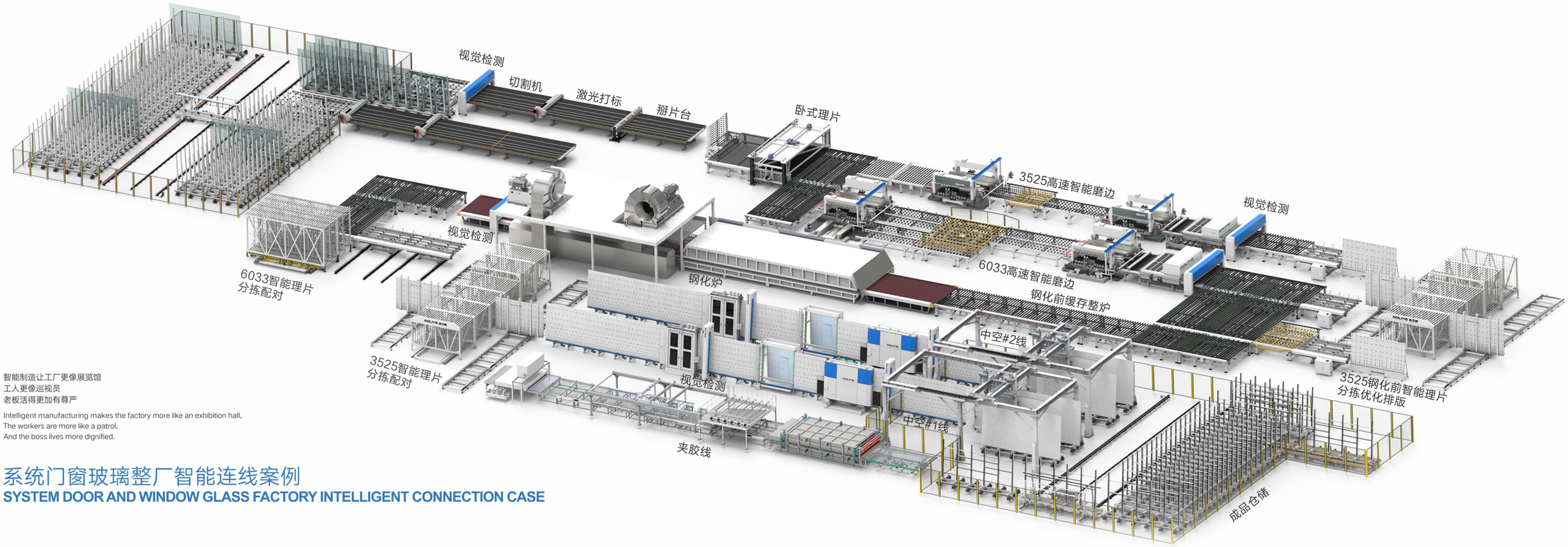
成都博奥腾
成都鑫锐城
成都三维
四川通玻
成都台玻
重庆德佳



陕西黑马中航
山西晋中常氏
陕西渭南光明



美国OGT
澳大利亚LONG GLASS
旗滨集团(马来基地)
西班牙TVITEC
西班牙Yeclsas
孟加拉AKIJ
西班牙Monserrat
西班牙Valls
墨西哥Nati
罗马尼亚CT



智能制造让工厂更像展览馆
工人更像巡视员
老板活得更加有尊严

Intelligent manufacturing makes the factory more like an exhibition hall,
The workers are more like a patrol,
And the boss lives more dignified.

系统门窗玻璃整厂智能连线案例
SYSTEM DOOR AND WINDOW GLASS FACTORY INTELLIGENT CONNECTION CASE

新质前行

适者生存，变者愈强
工业4.0新时代，高力威御风而上实现互联、
数据、创新一体化帮助客户节省开支与成本，
预知危险和隐患，
赋予经营管理新的智慧和未来。

New Future:

Survival of the fittest and keeping making progress GOLIVE forges ahead bravely in Industry 4.0 era It aims at realizing interconnection and integrating data and innovation It finally tries to save expenditure and costs for clients, predict risks and hidden dangers and redefine new management intelligence and future.



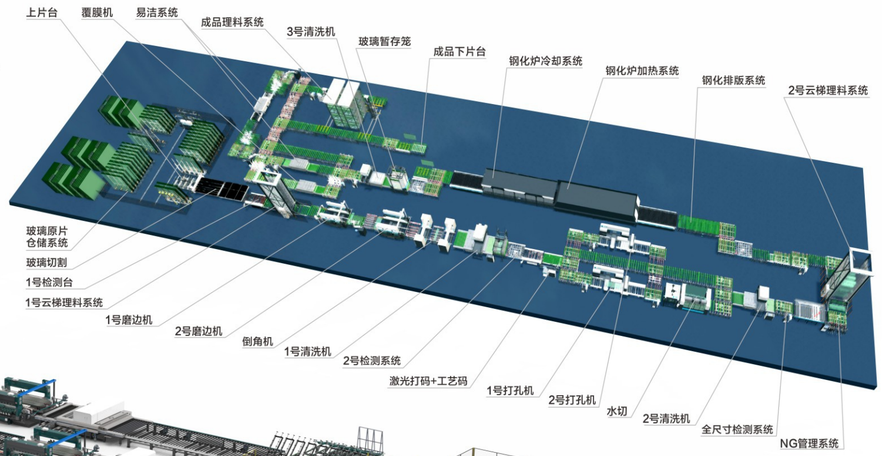
INTELLIGENT MANUFACTURING
智能制造

智能制造让工厂更像展览馆
工人更像巡视员
老板活得更加有尊严

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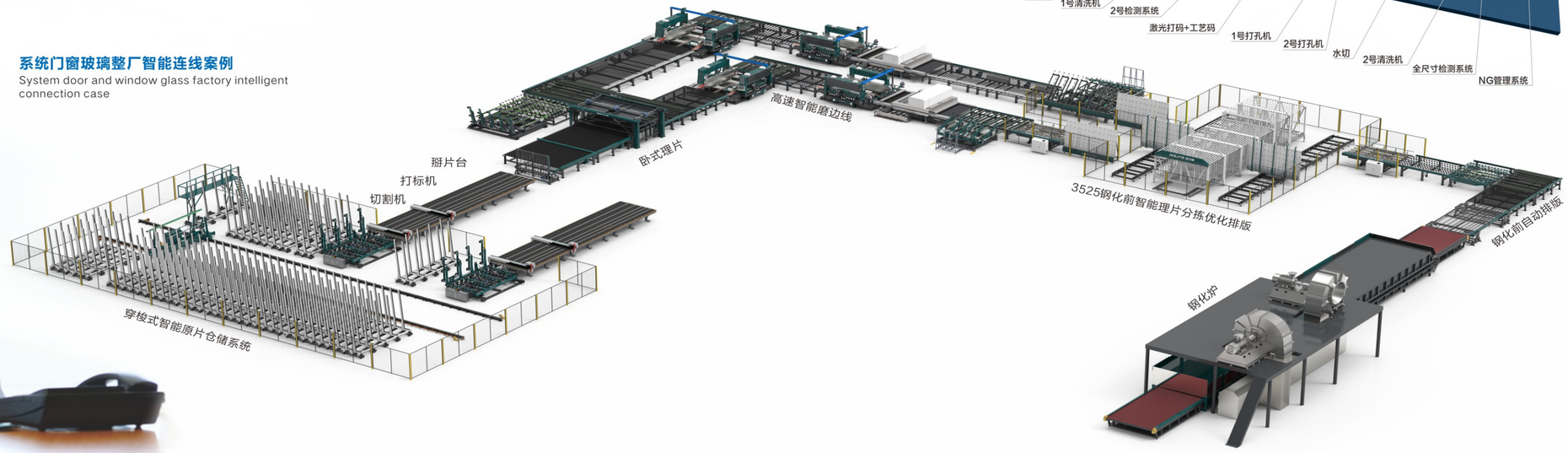
玻璃深加工工业4.0–淋浴房领域方案

Glass Processing Industry 4.0 - Solutions For Shower Room Sector



系统门窗玻璃整厂智能连线案例

System door and window glass factory intelligent connection case



GDTM 系列/SERIES

Extra-large 4 sides crystal-clear glass edging line

超大板四边水晶面磨边线

超大板及效率综合解决方案（9/12/15/18/20米*3.6米）

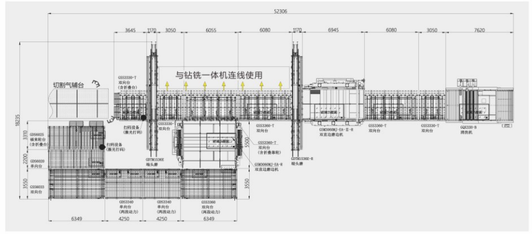
Extra-large glass & efficiency integrated solution (9/12/15/18/20m * 3.6m)

> 本生产线由1台（30）磨头智能精磨双边磨边机、2台（15）磨头精磨端头磨边机、输送台、检测台（选配），钻铣一体机等组成大板玻璃自动生产线设备组成；

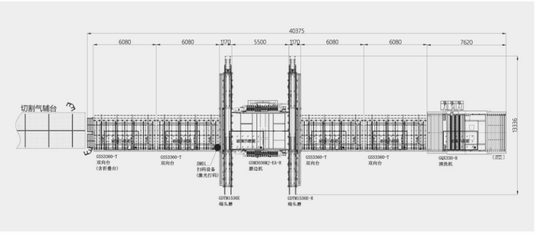
> 可根据客户个性化需求定制加工超大板玻璃定制专属方案；

> This production line is composed of 1 intelligent precision grinding machine for both sides of the glass (with 30 grinding heads), 2 precision grinding machines for the ends of the glass (with 15 grinding heads), conveying tables, inspection tables (optional), and a drilling and milling integrated machine, etc., forming the equipment of the automatic production line for large-sized plate glass;

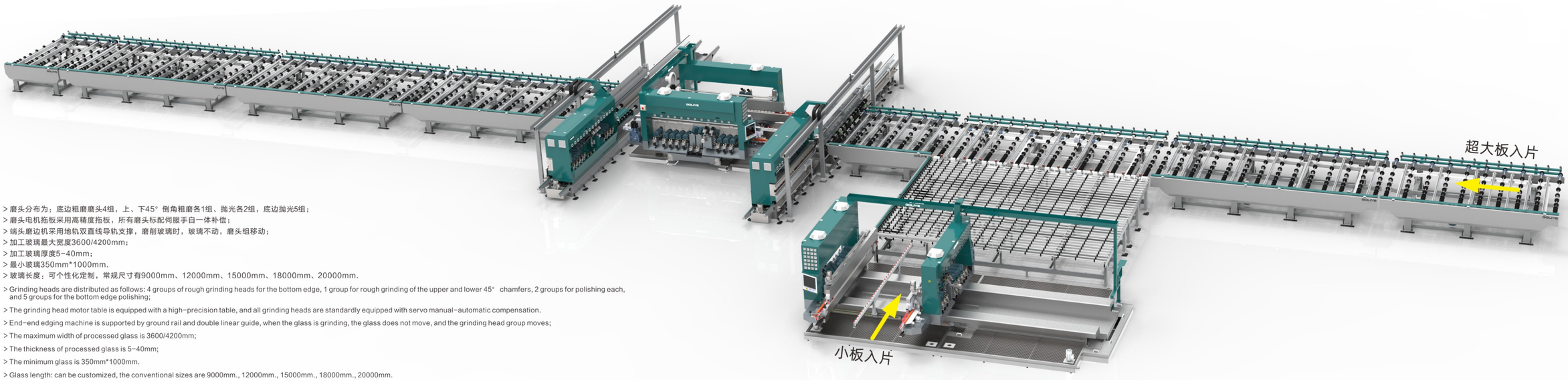
> Customized exclusive solutions for processing super large plate glass can be customized according to the individual needs of customers;



15米超大板玻璃线(含圆角综合线)
15m extra-large glass edging line(with round corner)



12米超大板玻璃线(端头磨)
12m extra -large glass edging line(end edger)



> 磨头分布为：底边粗磨磨头4组，上、下45°倒角粗磨各1组、抛光各2组，底边抛光5组；

> 磨头电机拖板采用高精度拖板，所有磨头标配伺服手自一体补偿；

> 端头磨边机采用地轨双直线导轨支撑，磨削玻璃时，玻璃不动，磨头组移动；

> 加工玻璃最大宽度3600/4200mm；

> 加工玻璃厚度5-40mm；

> 最小玻璃350mm*1000mm.

> 玻璃长度：可个性化定制，常规尺寸有9000mm、12000mm、15000mm、18000mm、20000mm.

> Grinding heads are distributed as follows: 4 groups of rough grinding heads for the bottom edge, 1 group for rough grinding of the upper and lower 45° chamfers, 2 groups for polishing each, and 5 groups for the bottom edge polishing;

> The grinding head motor table is equipped with a high-precision table, and all grinding heads are standardly equipped with servo manual-automatic compensation.

> End-end edging machine is supported by ground rail and double linear guide, when the glass is grinding, the glass does not move, and the grinding head group moves;

> The maximum width of processed glass is 3600/4200mm;

> The thickness of processed glass is 5-40mm;

> The minimum glass is 350mm*1000mm.

> Glass length: can be customized, the conventional sizes are 9000mm., 12000mm., 15000mm., 18000mm., 20000mm.

GSM30**MJ-EA-[L/II选配] 系列/SERIES

Intelligent High-Speed Precision Grinding and Polishing Integrated Machine (30 Spindles)

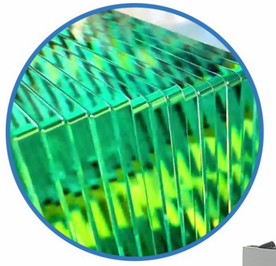
智能高速精磨圆角抛光一体机（30磨头）

> 可加工展柜、超大板、家私、鱼缸、水晶面玻璃

> Display glass, oversized glass, furniture, fish tanks, crystal glass

速度快 High speed　精度高 High precision　操作简单 Simple operation





圆角抛光图
Including Round Corner Polishing



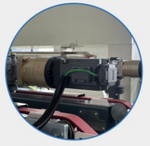
主传动双伺服
Main drive dual servo



上下倒角手自一体结构
Self-assembled Structure With Upper And Lower Chamfering



粗磨/抛光底边
手自一体结构
Rough Grinding/Bottom Edge Self-assembley Structure



上压紧架伺服升降结构
Upper pressing rack lifting structure



除膜伺服自动升降结构
（LOW-E玻璃）选配
Film Removal Structure (low-e Glass) Optional



含抛光倒圆角结构(选配)
with polished round corner structure(Optional)



GSM30**MJ-EA-II(含圆角抛光)系列磨轮布置示意图
GSM30**MJ-EA-II (with round corner polished) series grinding wheel layout diagram



GSM30** MJ-EA系列磨轮布置示意图
GSM30** MJ-EA Series Grinding Wheel Layout Diagram



GSM28** MJ-EA-L系列磨轮布置示意图
GSM28** MJ-EA-L Series Grinding Wheel Layout Diagram

GSM22**MP-EA/E-[L/II选配] 系列/SERIES

Edging, Round Corner Polished Integrated Machine

磨边圆角抛光一体机





GSM24**MJ-EA系列磨轮布置示意图
GSM24**MJ-EA series grinding wheel layout diagram



GSM24**MJ-EA-II(含圆角抛光)系列磨轮布置示意图
GSM24**MJ-EA-II (with rounded edge polishing) series grinding wheel layout diagram

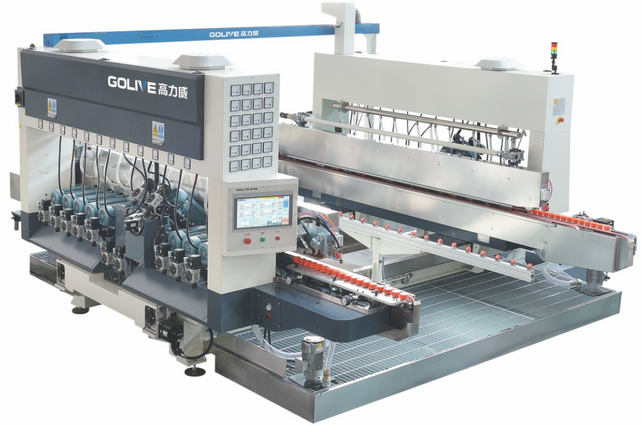
主要技术参数 Main Technical Specification

型号 Model		MP-E	MJ-EB	MP/MJ-EA	MJ-E	MJ-C
最大加工玻璃规格	Max.Glass Processing Size	1000/1600/2000/2500/3000/3600/4200/4500/5000/6000/7000/8000/9000mm				
最小加工玻璃规格	Min.Glass Processing Size	180(1米以下) / 300(3米以下) / 310(3.6米) / 470(4~6米) / 850(7米) / 1000(8米~9米)				
加工玻璃厚度	Glass Thickness	3~25mm				
传送速度	Transmission Speed	1~20m/min	1~40m/min	1~30m/min	1~20m/min	1~20m/min
总功率	Installed Power	132kw	107kw	100kw	87kw	78kw
底边双边最大磨削量	Max.Grinding Quantity of Bottom Edge	4mm				
倒角宽度尺寸	Chamfer Width	1~3mm				
倒角最大磨削量	Max.Grinding Quantity of Chamfer	3mm				
玻璃宽度调整速度	Speed of Size Changing	12m/min				
工作台面高度	Working Table Height	3米及以下: 920±20mm，3.6米及以上: 930±20mm				
气动工作气压	Compress Air Pressure	6~8kg/m²				
水泵流量	Water Pump Flow	640L/min				
平行误差	Glass Parallel Tolerance	≤0.2mm/m				
对角线误差	Glass Diagonal Tolerance	≤0.5mm/m				
倒角宽度误差	Chamfer Tolerance	≤0.2mm/m				
圆角加工范围	Round corner range	R1~R8	/	/	/	/
圆角加工速度	Round corner process speed	1~12m/min	/	/	/	/

GSM22**MJ-EB/EA/E-[L/II选配] 系列/SERIES

Intelligent High-speed Fine Grinding Double Edger Machine(Manual-automatic Integration)

智能高速精磨双边机（手自一体）



> 全散单精磨边5片/分钟（EB型）
> 精磨速度40米/分钟(EB型)
> 原片玻璃厚度6mm
> 单边磨削量1mm
> 建筑标准

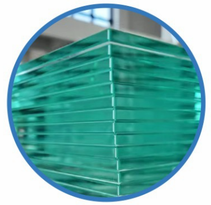
>Full dispersion single-edge grinding
5 Piece min (EB type)
> Process Speed 40 m/min(EB type)
> Glass thickness 6 mm
> Unilateral grinding allowance 1 mm
> Building standards

序号	功　能	描　述
1	磨边速度智能调整 Intelligent adjustment of grinding speed	磨边速度根据玻璃规格及品质的要求智能调速 The edging speed is adjusted intelligently according to the requirements of glass specifications and quality.
2	飞边检测功能 Extra edge detect function	磨边速度根据磨边量的大小自适应匹配、防止崩边 Grinding speed adapts to the grinding quantiy grinding to prevent edge breakage
3	智能休眠 Intelligent sleep	长时间不磨削可以自动停机，有玻璃则自动启动 Long time no grinding can automatically stop, when glass enter will automatically start.
4	一键调整功能 One-button adjustment function	压紧架、开合、45°倒角升降自动调整到位 Pressing rack, opening and closing, 45° chamfer lifting automatic adjustment in place
5	自动开合中心托架 Automatic center support device	中心托架自动居中、自动开合 The center support is automatically centered
6	自动润滑床身丝杆、导轨 Automatic lubrication of bed screw and guide rail	自动加油润滑，保证寿命 Automatic filling oil for lubrication ensure the service life
7	自动调整 Automatically adjust	根据玻璃尺寸、厚度自动调整开合尺寸及压紧架高度 Automatic adjust the glass size,thickness by changing the pressing rack height and open/close size
8	看板功能及打标功能（选配） Process monitor panel function & laser mark function(options)	自动化连线可选配看板下架功能及打标签功能 Automatic connection can be optional with process monitor panel function & laser mark function

GSM22**MP-EA/E-[L/II选配] 系列/SERIES

Intelligent Edge Grinding + Rounded Corner Polishing Intelligent Edge Grinding Line
智能磨边+圆角抛光智能磨边线

> 应用于加工卫浴/家电/建筑防火玻璃领域
> Applied in the fields of processing bathroom/industrial appliance/building fireproof glass



圆角抛光图
Including Round Corner Polishing

> 高速精磨：30 米/分
> 圆角抛光：12 米/分
> 圆角加工范围：R1~R8
> 磨边圆角抛光二合一，圆角一致性好，效率高

> High-speed fine grinding: 30 m/min
> Rounded corner polishing: 12 m/min
> Round corner processing range: R1 to R8
> Integrated edge grinding and round corner polishing, with good round corner consistency and high efficiency

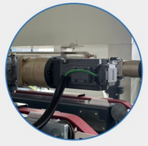
速度快 High speed
精度高 High precision
操作简单 Simple operation




主传动双伺服
Main drive dual servo


上下倒角手自一体结构
Self-assembled Structure With Upper And Lower Chamfering


粗磨/抛光底边
手自一体结构
Rough Grinding/Bottom Edge Self-assembley Structure


上压紧架伺服升降结构
Upper pressing rack lifting structure


除膜伺服自动升降结构
（LOW-E玻璃）选配
Film Removal Structure (low-e Glass) Optional


含抛光倒圆角结构(选配)
with polished round corner structure(Optional)



GSM24**MJ-EA-II(含圆角抛光)系列磨轮布置示意图
GSM24**MJ-EA-II (with round corner polished) series grinding wheel layout diagram

GSM22**MJ-EB/EA/E-[L/II选配] 系列/SERIES

(2520/3025/3625/4025/4030/4530/5030/6030/7033/8033/9033)

Intelligent High-Speed Double-sided Grinding Machine (Manual and Automatic Combined)

智能高速精磨双边机（手自一体）

产品描述：

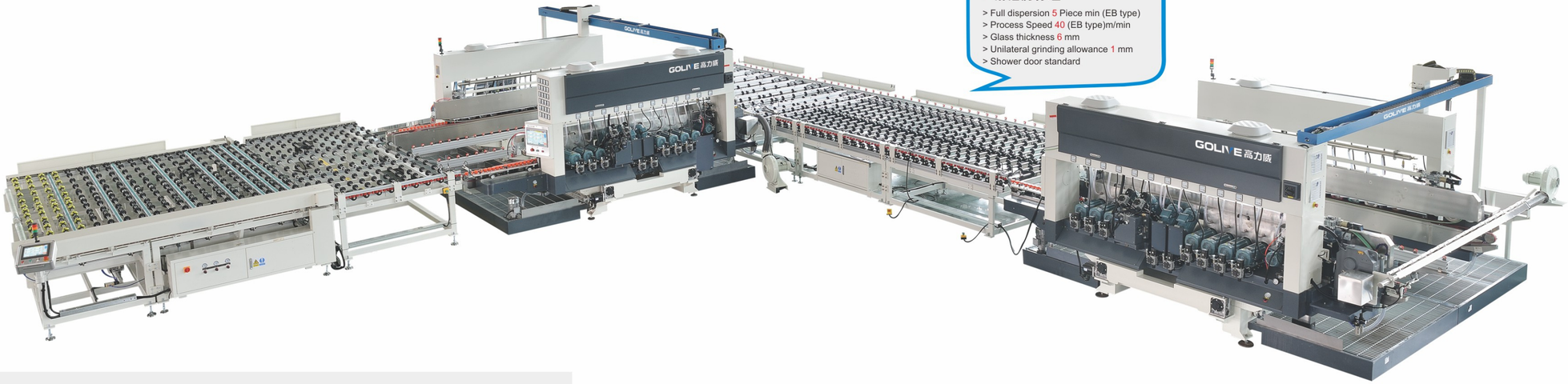
> 适用于平板建筑玻璃、淋浴房玻璃、家具玻璃及家电玻璃等行业玻璃的加工；
> 开合12米/分钟，主传动40/30米/分钟（EB/EA型）20米/分钟（E型），高速高精度磨边，产能倍增；
> 即可高速粗磨又可高速精磨，一机两用；配备四高三低电机（高转速、高精度、高刚性、高寿命、低能耗、低温升、低噪音）

Product descriptions:

> It is suitable for the processing of flat glass, shower glass, furniture glass and household appliance glass.
> Opening and closing 12 meters/min, the main drive 40/30 meters/min(EB/EA Type) 20m/min (E Type), high speed and high precision edge grinding, production capacity doubling;
> Can be high speed coarse grinding and high speed fine grinding, one machine for both purposes; Equipped with four three low motor (high speed, high precision, high rigidity, high life, low energy consumption, low temperature rise, low noise)

> 全散单5片/分钟（EB型）
> 精磨速度40米/分钟(EB型)
> 原片玻璃厚度6mm
> 单边磨削量1mm
> 淋浴房标准

> Full dispersion 5 Piece min (EB type)
> Process Speed 40 (EB type)m/min
> Glass thickness 6 mm
> Unilateral grinding allowance 1 mm
> Shower door standard




主传动双伺服
Main drive dual servo


上下倒角手自一体结构
Self-assembled Structure With Upper And Lower Chamfering


粗磨/抛光底边
手自一体结构
Rough Grinding/Bottom Edge Self-assembley Structure


上压紧架伺服升降结构
Upper pressing rack lifting structure


除膜伺服自动升降结构
（LOW-E玻璃）选配
Film Removal Structure (low-e Glass) Optional


含抛光倒圆角结构(选配)
with polished round corner structure(Optional)


GSM24**MJ-EA-II(含圆角抛光)系列磨轮布置示意图
GSM24**MJ-EA-II (with round corner polished) series grinding wheel layout diagram


GSM22**MJ-EA/E-L系列磨轮布置示意图
GSM22**MJ-EA/E-L series grinding wheel layout diagram


GSM24**MJ-C系列磨轮布置示意图
GSM24**MJ-C series grinding wheel layout diagram

GSGM16**MJ-K/G/E/C-[L 选配] 系列/SERIES

(2520/3025/3625/4025/4030/4530/5030/6030)

Intelligent High-speed Precision Grinding Connection (Hand-automatic Integration)

智能高速精磨连线 (手自一体)



> 磨削速度50/30/20米/分钟(K/G/E型);
> 全散单7/5片/分钟(K/G型);
> 家装系统门窗首选
> 系统门窗玻璃磨边品质的天花板

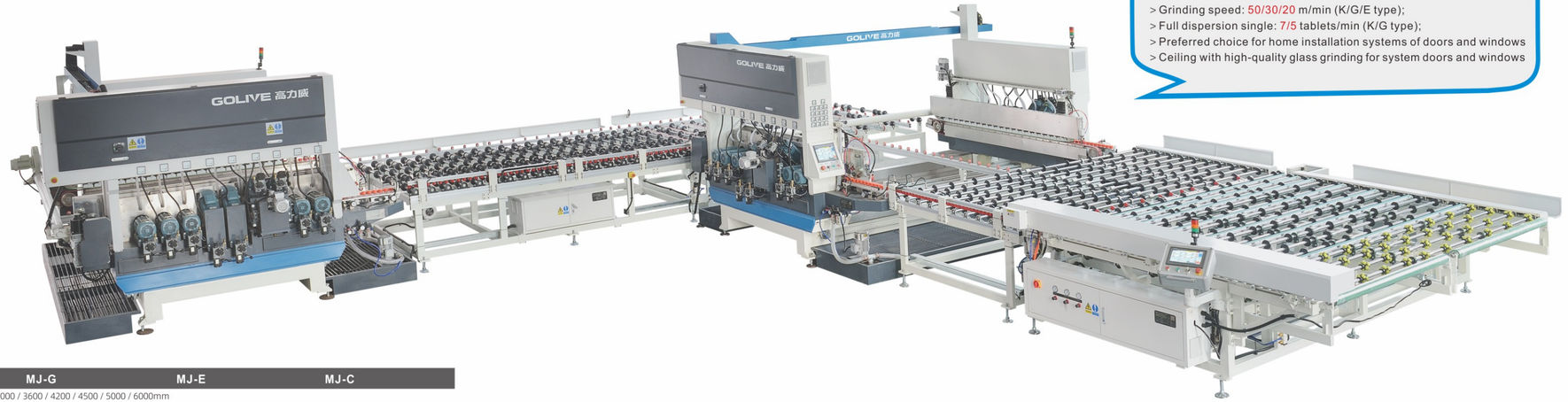
> Grinding speed: 50/30/20 m/min (K/G/E type);
> Full dispersion single: 7/5 tablets/min (K/G type);
> Preferred choice for home installation systems of doors and windows
> Ceiling with high-quality glass grinding for system doors and windows

产品描述:

> 适用于平板建筑玻璃等行业玻璃的加工;
> 开合15米/分钟，主传动50/30/20米/分钟（K/G/E/C型），高速高精度磨边,产能倍增;
> 高速精磨配备四高三低电机(高转速、亮精度、高刚性、高寿命、低能耗，低温升、低曝音);

Product descriptions:

> Suitable for glass processing in flat building glass and other industries;
> Opening and closing 15 m/min, main drive 50/30/20 m/min(K/G/E/C Type) , high-speed and high-precision edge grinding, double production capacity;
> High speed grinding is equipped with four or three low motor (high speed, bright precision, high rigidity, high life, low energy consumption, low temperature rise, low exposure).

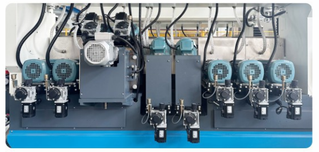


主要技术参数 Main Technical Specification

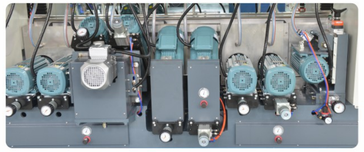
型号 Model		MJ-K	MJ-G	MJ-E	MJ-C
最大加工玻璃规格	Max.Glass Processing Size	1000 / 1600 / 2000 / 2500 / 3000 / 3600 / 4200 / 4500 / 5000 / 6000mm			
最小加工玻璃规格	Min.Glass Processing Size	300(1米~3.6米)/470(4.2米~6米)			
加工玻璃厚度	Glass Thickness	3~12mm			
传送速度	Transmission Speed	1~50m/min	1~30m/min	1~20m/min	1~20m/min
装机功率	Installed Power	79kw	73kw	73kw	58kw
底边双边最大磨削量	Max.Grinding Quantity of Bottom Edge	2.5mm			
倒角宽度尺寸	Chamfer Width	1~3mm			
玻璃宽度调整速度	Speed of Size Changing	15m/min (1m~3.6m), 12m/min (4.2m~6m)			
工作台面高度	Working Table Height	920±20mm			
气动工作气压	Compress Air Pressure	0.6~0.8Mpa			
水泵流量	Water Pump Flow	400L/min			
平行误差	Glass Parallel Tolerance	≤0.2mm/m			
对角线误差	Glass Diagonal Tolerance	≤1mm/m			
倒角宽度误差	Chamfer Tolerance	≤0.2mm/m			



GSGM16**MJ-K-L系列磨轮布置示意图
GSGM16**MJ-K-L series grinding wheel layout diagram



GSGM18**MJ-G/E系列磨轮布置示意图
GSGM18**MJ-G/E series grinding wheel layout diagram



GSGM16**MJ-C-L系列磨轮布置示意图
GSGM16**MJ-C-L series grinding wheel layout diagram

GSZM-HA/HB 系列/SERIES

Intelligent high-speed (3bridges 4 spindles seaming machine)
智能高速四边磨（三梁四磨头）

高效率 Productivity　低成本 Low Cost　全自动 Automatic

HA: 倒棱+扫底边
HB: 倒棱+除膜（扫底边）

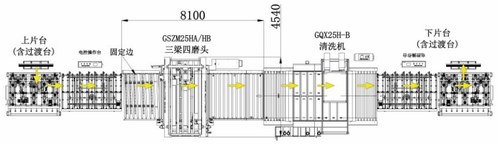
HA: Arrising+Bottom Edge Grinding
HB: Arrising+Low-e Remove/Bottom Edge Grinding



主要技术参数 Main Technical Specification

型号 Model		GSZM-HA	GSZM-HB
加工玻璃最小尺寸	Processing glass minimum size	300x700mm	300x800mm
加工玻璃最大尺寸	Maximum size of processed glass	2500x3600mm(2.5米机型)	2500x3600mm(2.5米机型)
底边磨削量	Grinding amount of bottom edge	0.5~1mm	0.1～0.3mm
可加工厚度	Glass thickness	4-12mm	4-12mm
倒角宽度尺寸	Chamfer width dimension	0.8-2mm	0.8-2mm
除膜宽度	Film removal width	/	≤13mm
厚度检测精度	Thickness detection accuracy	±0.2mm	/
加工玻璃成品率	Processed glass rate	≥98%	≥98%
磨削速度	Grinding speed	12-35米/分钟	12-35米/分钟
磨削效率	Grinding efficiency	6片/分钟	6片/分钟
工作输入气压	Working input air pressure	0.6-0.8MPa	0.6-0.8MPa
工作面高度	Working surface height	930±30mm	930±30mm
总功率	Total power	约21KW	约23KW

连线布局案例/Complete line layout case:



GSYM08**D/DE 系列/SERIES

Straight-line double-circle edge machine
直线双圆边机

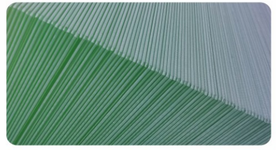


> 磨边及倒角高速：20米/分钟
> 相同规格：6片/分钟（2.3米×1.2米×3.2毫米玻璃）
> Edge grinding and chamfering high speed :20 m/min
> Same size: 6 pcs/min（2.3m×1.2m×3.2mmGlass）


刻槽+除膜（选配）
Groove cutting + Film removal(Optional)


手自一体伺服结构+倒角
Manual-automatic integrated servo structure + chamfered corner


直圆精抛手动结构
Manual structure for straight-round precision polishing


光伏玻璃效果
Photovoltaic glass effect

GQX16/20/25/30/33H-B 系列/SERIES

Washing & Drying Machine

玻璃清洗干燥机

> 清洗烘干，任意尺度都挥洒自如
> Available for different size



主要技术参数 Main Technical Specification

型号 Model		GQX25H-A / GQX25HR-A	GQX25H-B / GQX25HR-B	GQX33F-A / GQX33FR-A
最大宽度	Maximum width	2500mm	2500mm	3300mm
最小宽度	Minimum width	420mm	420mm	420mm
玻璃厚度	Glass thickness	3-25mm	3-25mm	3-25mm
清洗速度	Washing speed	12m/min	15m/min	12m/min
总功率	Total power	35kw	43kw	50kw
占地面积	Area	6700×5200mm	8100×5200mm	7450×5900mm
上/下片长度	Loading/Unloading Table Length	1650mm	1650mm	1650mm
重量	Weight	5.5T	6.8T	8T
毛刷数量	Number of brushes	3	3	3
风刀数量	Number of air knives	2	3	3

GSP/GXP 系列/SERIES

Automatic Loading/Unloading Table

自动上/下片台



产品描述 Product Description

> 适用于各种平板玻璃的上/下片。
> 可与切割线、磨边线、夹胶线、钢化线、丝印线等联线使用。
> 采用PLC程序控制，性能稳定。
> 省人工，操作简单，生产效率高。
> Applicable to all kinds of flat glass loading / unloading .
> Can be matched with the cutting line, grinding line, laminated line, tempering line, and printing line.
> PLC program control, stable performance.
> Save labor, simple operation，high production efficiency.

主要技术参数 Main Technical Specification

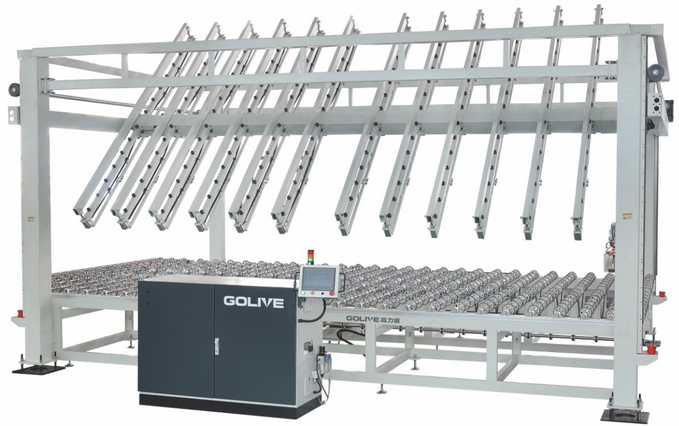
型号Model / 参数Parameters	GSS 双向台			常规上下片（含双向台）					
	GSS2520	GSS3025	GSS4025	GS(X)P2520	GS(X)P2520L	GS(X)P3025	GS(X)P3025L	GS(X)P4225	GS(X)P4225L
最小玻璃(长×宽)mm Mminimum glass	600x400	600x400	800x600	600x400	600x400	800x600	800x600	800x600	800x600
最大玻璃(长×宽)mm Maximum glass	2500x2000	3000x2500	4200x2500	2500x2000	2500x2000	3000x2500	3000x2500	4200x2500	4200x2500
适用厚度 Applicable thickness	3~19mm	3~19mm	3~19mm	3~19mm	3~19mm	3~19mm	3~19mm	3~19mm	3~19mm
最大承重 Max capacity	250kg	360kg	500kg	250kg	250kg	360kg	360kg	500kg	500kg
传输速度 Transmission speed	3~40m/min	3~40m/min	3~40m/min	3~40m/min	3~40m/min	3~40m/min	3~40m/min	3~40m/min	3~40m/min
最大玻璃架进深 Glass frame depth	700mm	700mm	450mm	700mm	700mm	700mm	700mm	450mm	450mm
自动工作周期 Automatic working cycle	/	/	/	10-12s	10-12s	12-16s	12-18s	15-19s	15-20s
电源规范 Power specification	380V/50Hz 3P+PE			380V/50Hz 3P+PE					
装机容量 Installed capacity	3.5kw	4kw	4.5kw	5.5kw	5.5kw	6.5kw	6.5kw	9.5kw	8.7kw
压缩空气 Compressed air	0.5~0.8MPa	0.5~0.8MPa	0.5~0.8MPa	0.5~0.8MPa	0.5~0.8MPa	0.5~0.8MPa	0.5~0.8MPa	0.5~0.8MPa	0.5~0.8MPa
占地面积 Area covered	5.2m²(2.6x2.0)	8m²(3.2x2.5)	11m²(4.4x2.5)	5m²(2x2.5)	6m²(2.3x2.5)	8.5m²(2.8x3)	7m²(2.8x2.5)	12m²(3x4)	13m²(4.5x2.9)
机身重量 Machine weight	1720kg	1840kg	2150kg	1250kg	1340kg	1770kg	1740kg	2100kg	2460kg

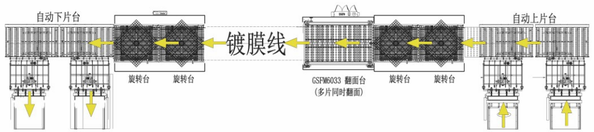
备注：以上设备装机高度为920±30（mm），玻璃架高度200-300（mm），如有特殊请告知。

GSFM6033 系列/SERIES

Glass Flipping Table

翻面台





镀膜线旋转翻面连线

Coating line rotate flipping line

功能：
> 用自动翻面替代人工挑片，人工翻面，减少人力，降低风险，提高安全性；
> 自动翻面消除人工翻面时间，保障镀膜线连续生产，提高产能；
> 自动旋转排版，追赶排版间距，提高镀膜的装载率，节约靶材成本，提高镀膜线整体效率产能；

> Replace manual film flipping with automatic film flipping. Manual flipping reduces manpower, lowers risks and enhances safety.
> Automatic flipping eliminates the time for manual flipping, ensuring continuous production of the coating line and increasing production capacity.
> Automatic rotation layout, adjusting the layout spacing, increases the loading rate of the coating, saves the cost of the target material, and improves the overall efficiency and production capacity of the coating line.

性能参数

Performance parameters

翻面台 GSFM6033

最大翻面尺寸: 6000*3300*19mm, 支持多片同时翻面

当玻璃尺寸：>2750*3300mm单片翻面，

当玻璃尺寸：<2750*3300mm两片同时翻面；

双旋转台规格：GZXP3328,

最大旋转玻璃： 2750*3300mm, 双旋转台同步旋转；

Flip Table GSFM6033

Maximum flip size: 6000*3300*19mm, supports multiple pieces to be flipped simultaneously.
When the glass size is greater than 2750*3300mm, flip a single piece.
When the glass size is less than 2750*3300mm, flip two pieces simultaneously.
Double Rotation Table Specification GZXP3328,
Maximum rotatable glass: 2750*3300mm, double rotation table rotates synchronously.

数造时代智掌未来

Making the Times by Numbers, Mastering the Future by Wisdom.

工业4.0-自动化连线篇

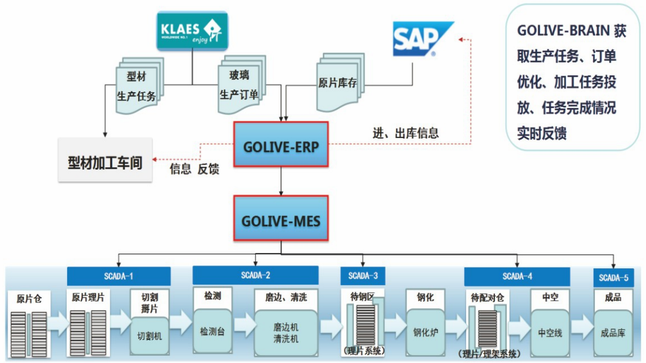
INDUSTRY 4.0-AUTOMATIC CONNECTION

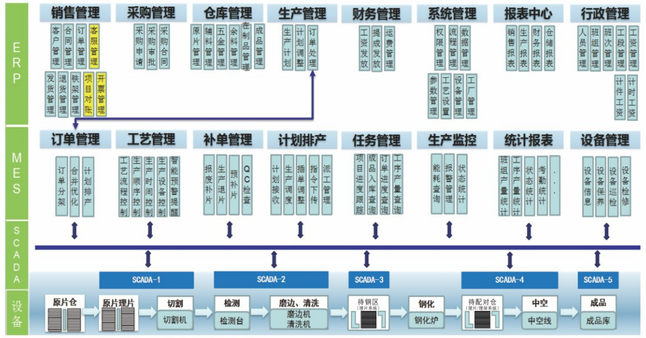
如何唤醒沉睡在生产线的数据？帮助智能智造重新定义企业价值是一个急待解决的问题，高力威自主研发的企业智慧运营系统，将生产自动化、无缝互联、智能管理等特点集于一身，打造智慧共享的玻璃深加工工业互联网生态系统。

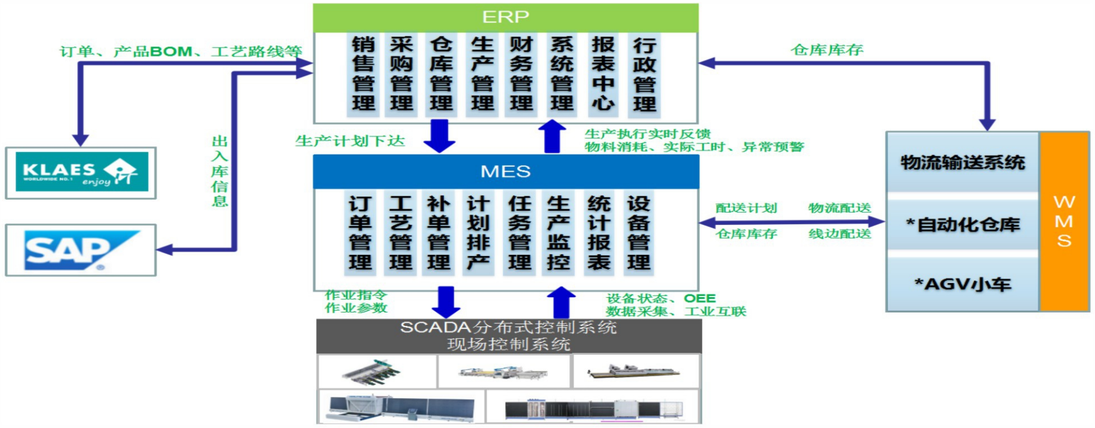
How to use production line data to define enterprise value in intelligent manufacturing times is an issue in badly need of resolving. On the basis of the above, GOLIVE researched and developed independent enterprise intelligent operation system，By integrating production automation, seamless connection and intelligent management, it aims at creating an Internet ecological system of glass deep-processing industry that can be shared by all intelligently.

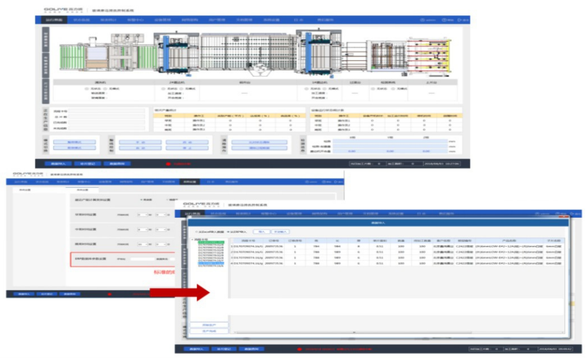
ERP+MES(G+B)SYSTEM INTRODUCE

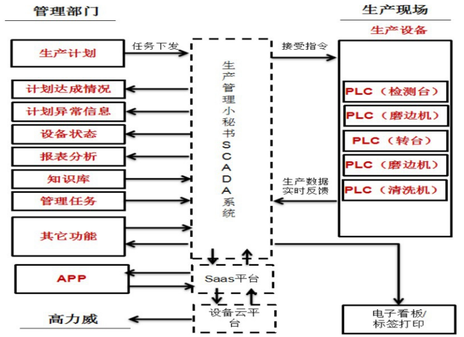
G+B(ERP+MES)系统应用介绍











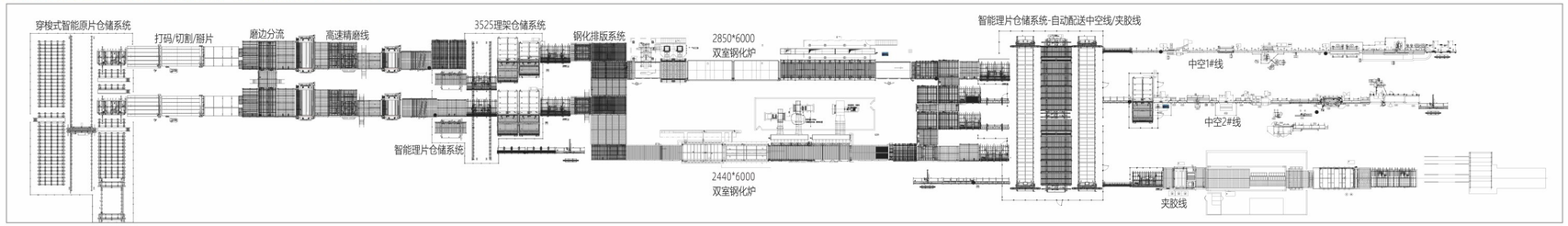
玻璃深加工工业4.0-建筑领域方案
Glass deep processing industry 4.0-construction field program



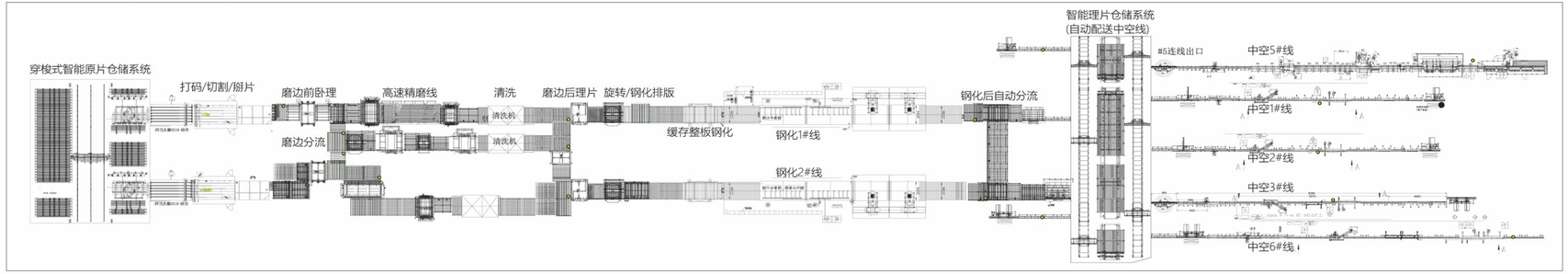




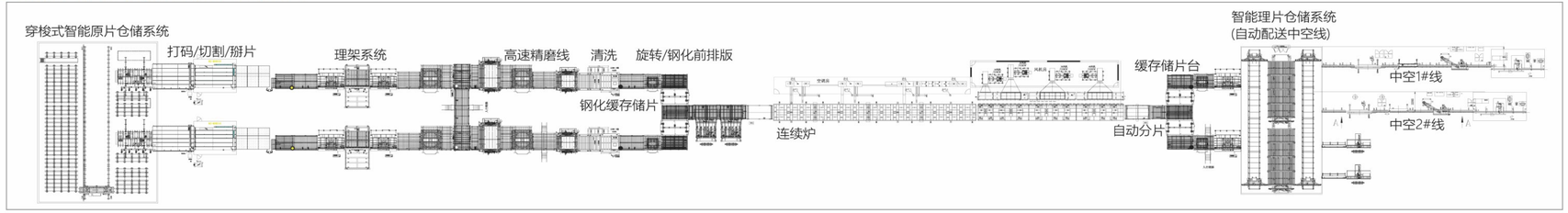
系统门窗智能连线（切磨钢中空夹胶整厂连线） Window & Doors Processing Line(Ful factory line including cutting, edging, tempering, IG line and Laminating Line)



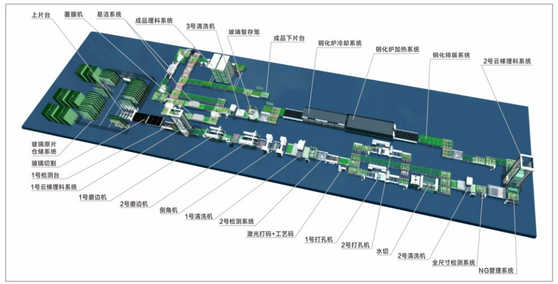
工程幕墙（切磨钢中空连线） Engineering curtain wall (grinding and cutting of steel hollow connection lines)



工程门窗（切磨钢中空连线–连续炉） Engineering doors and windows (cutting and grinding steel hollow sections - continuous furnace)



玻璃深加工工业4.0-淋浴房领域方案
Glass deep processing industry 4.0-Shower room field scheme



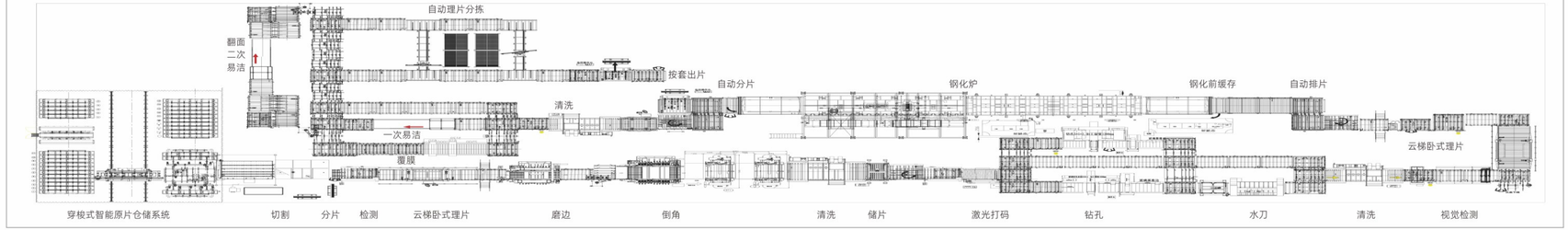
玻璃深加工工业4.0-家电领域方案
Glass Processing Industry 4.0: Solutions for the Home Appliance Sector



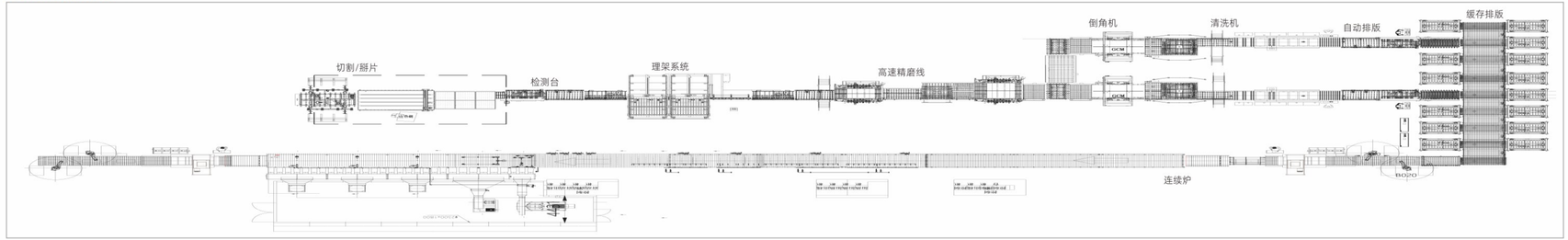
玻璃深加工工业4.0-光伏领域方案
Glass Processing Industry 4.0: Solutions for the Photovoltaic Field



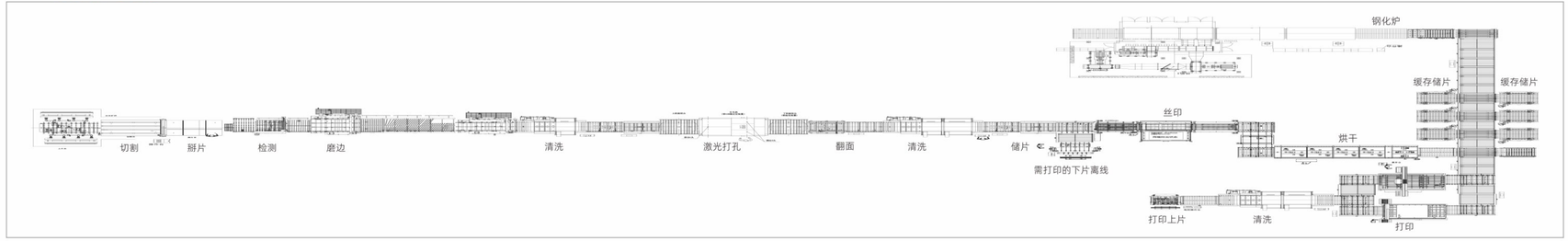
淋浴房领域方案 Shower Room Solution



家电领域方案 Appliance industry solutions



BIPV光伏领域方案 BIPV Photovoltaic sector solutions



GCS 4228/5133/6133 系列/SERIES

Intelligent Original Film Storage System Pallet Retrieval Machine)
智能原片仓储系统（穿梭取片机）

产品简介：

智能穿梭式原片仓储系统适用于批量同规格玻璃的仓储运输，每次输送一架玻璃，可供应1-6条切割线。穿梭车能准确并迅速地定位到存片区的玻璃架，根据系统指令从存片区吸取同尺寸规格、厚度的原片玻璃架，快速输送到上片台工位上片，进入到下一步切割工序，整体过程快速、平稳。由于上片台侧面可配置两个上片工位，所以第二顺位的原片会被穿梭车由存片区事先送至上片等待区。更换原片品种时，切割进程不受任何干扰，提高效率，节省系统资源。

穿梭车采用西门子运动控制系统和驱动系统模块。原片管理系统具备订单优化、库存管理、原片识别功能、智能路径优化与任务调试功能，快速有序地进行原片的调试，实现玻璃最优化的切裁率，从而保证整线的效率及效益最大化。该系统有效避免不断人工吊装原片，翻架子的重复工作，并能智能地管理原片库存。

Product introduction:

The intelligent shuttle type raw material storage system is suitable for the storage and transportation of glass with the same specification in batch. It can deliver one glass at a time and supply 1-6 cutting lines. Shuttle can accurately and quickly locate the glass frame to the storage area, and absorb the original glass frame of the same size, specification and thickness from the storage area according to the system instructions, and quickly convey it to the upper working station of the upper piece, and enter the next cutting process. The whole process is fast and smooth. Since two upper stations can be configured on the side of the upper station, the original film of the second order will be sent to the upper waiting area by shuttle from the storage area in advance. When changing the original variety, the cutting process is free from any interference, improving efficiency and saving system resources.

The shuttle adopts Siemens motion control system and drive system module. The original sheet management system has the functions of order optimization, inventory management, original sheet recognition, intelligent path optimization and task debugging. The original sheet debugging can be carried out quickly and orderly to achieve the optimized cutting rate of glass, so as to ensure the maximum efficiency and benefit of the whole line. The system can effectively avoid the repetitive work of hoisting and rearranging the original film manually, and can intelligently manage the original film inventory.

实现快速换架，可连续高效切割
Achieve rapid frame change, continuous and efficient cutting

换架时间15秒
可供应1-6条切割线
Change time 15 s
Available in 1 to 6 cutting lines



主要技术参数 Main Technical Specification

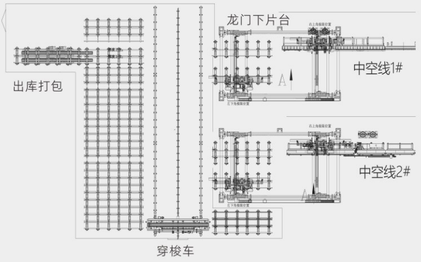
型号 Model		GCS6033	GCS5033	GCS4228
最大玻璃规格	Maximum glass specification	6000x3300mm	5000x3300mm	4200x2800mm
最小玻璃规格	Minimum glass specification	3050x2140mm	3050x2140mm	2440x1800mm
移动玻璃架最大承重量	Maximum weight of movable glass frame	8000kg	8000kg	5000kg
移动玻璃架最大存放深度	Maximum storage depth of moving glass frame	450mm	450mm	450mm
玻璃包存放数量	Quantity of glass bags stored	1至2包	1至2包	1至2包
穿梭车在轨道移动重复定位精度	The shuttle moves on the track with repetitive positioning accuracy	±2mm	±2mm	±2mm
穿梭车牵引钩重复定位精度	Shuttle traction hook repeat positioning accuracy	±2mm	±2mm	±2mm
穿梭车（满载）在轨道的最大移动速度	Maximum moving speed of shuttle (full load) on track	24m/min	24m/min	24m/min
穿梭车（空载）在轨道的最大移动速度	The maximum speed at which a shuttle (no load) can move on a track	40 m/min	40 m/min	40 m/min
穿梭车牵引钩（满载）最大拉动速度	Maximum pulling speed of shuttle traction hook (full load)	18 m/min	18 m/min	18 m/min

GCS 4228/5133/6133 系列/SERIES

Finished Product Storage System(shuttle car retrieval glass machine)
成品仓储系统（穿梭取片机）



成品仓储系统案例
Finished Product Storage System Case



产品简介：

中空玻璃完成合片封胶后不落地，通过龙门式带托勾的机械手直接将成品吸取后放置于成品仓储玻璃架，系统自动送入仓库，对玻璃进行静置固化；

1、实现从原片到成品分拣全程玻璃不落地生产；

2、根据发货需求系统自动从仓储中分拣按序取出对应的成品到出口，便于按序打包发货；

3、避免人工分拣挑片导致玻璃划伤或破损，存取便捷，大幅提高分拣打包效率，品质及降低工人成本。

Product introduction:

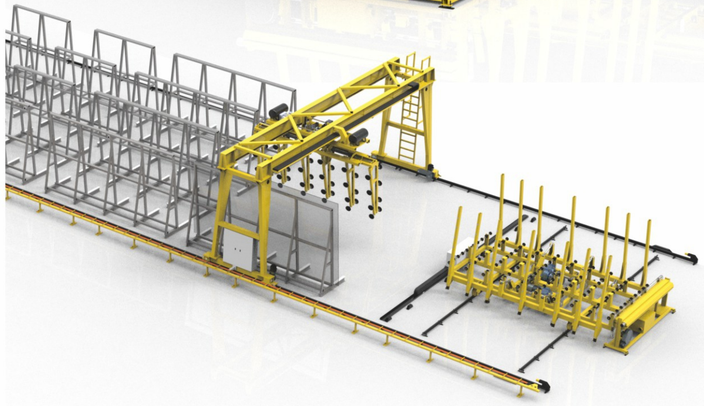
After the laminated glass is completed with bonding and sealing, it does not fall to the ground. The mechanical hand with a bracket on the gantry directly picks up the finished product and places it on the finished product storage rack. The system automatically sends it to the warehouse and allows the glass to undergo static curing.

1. Achieve full-process glass separation from raw materials to finished products without any falling.
2. According to the shipping requirements, the system automatically separates and takes out the corresponding finished products in sequence from the storage and sends them to the exit, facilitating sequential packaging for shipping.
3. Avoid glass scratches or damages caused by manual sorting and picking. The process is convenient for retrieval and storage, significantly improving the efficiency of sorting and packaging, quality and reduction of worker costs.

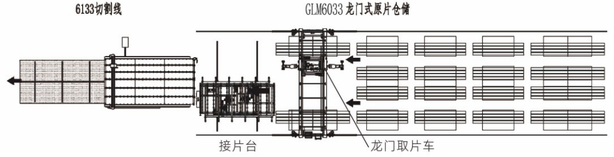
智能原片仓储系统–龙门式

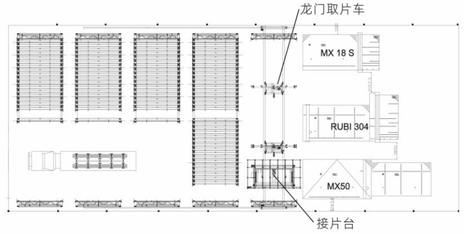
Intelligent Storage System (Gantry Loader)











产品简介：

龙门架准确而迅速地定位到原片玻璃架，根据系统指令从原片区吸取不同尺寸规格、厚度的原片玻璃，快速输送到翻片台上，进入到下一步切割工序，整体过程快速、平稳。原片仓采用了西门子运动控制系统和驱动系统模块，具备库位管理、原片识别功能、智能路径规划与任务调度功能，快速有序地进行原片的调度，实现最优化的切裁率，从而保证了整线的效率及效益最大化。该系统有效避免不断人工吊装原片，翻架子的重复工作，并能智能管理仓储数量。

Product introduction:

Gantry loading system can position to the original glass rack accurately and quickly . It can absorb different size of glass from float area according to system instructions and then transmit to overturning table quickly and smoothly. Gantry loading system adopts Siemens motion control system and Siemens drive module system with precise location management float glass recognition features. smart path planing and schedule adjustment to realize largest productivity for cutting line . This gantry system is more safe and more intelligent management because it avoid hoisting float glass manually and flipping rack .

产品描述：

> 提供龙门原片仓储管理功能，含出入库作业、调拨作业、安全库存设置等功能；

> 提供与ERP系统的数据接口，支持下料切割方案主动推送到切割机进行原片下料，推送到龙门仓储机进行原片拾取；

> 提供两个仓储系统的库存数据联动机制与统计分析功能，包括分库统计与合并统计；

> 提供办公室客户端程序，直接可以访问系统中目前龙门仓储机系统中添加和使用数据，以及剩余的原片的数据（尺寸、类型、厚度、膜系等相关信息），方便生产和库房对原片的管理；

> 生产数据可上传云端，可提供远程实时库存查询功能，提供生产管家APP；

> 提供安全库存预警及实时采购单生成功能；

> 自主开发底层程序开发软件，能够接收切割优化管理系统发出的上片台需要对应的玻璃架序列号后，自动完成相应玻璃送入及移出。实时上片后，相关玻璃架之玻璃数量可以在高力威系统上位机数据库实时更新。该龙门仓储系统可以同上片台进行自动信号、数据交换。

> 工位可定制,龙门取片机跨度：5-20米可选。

Product description:

> Provide float glass warehousing management functions, such as warehousing and ex-warehousing, allocation and safety inventory settings;

> Provide data interface with ERP system; support blanking and cutting plan; pushing to the cutting machine actively for blanking original film; pushing them to gantry warehousing machine for picking up original film;

> Provide inventory data linkage mechanism and statistical analysis function of two warehousing systems, including separate and consolidated statistics;

> Provide office client program; visit the data added and used in the present gantry warehousing system in the system as well as the data of the rest original films directly (such as size, type, thickness and film) so as to help production workers and warehouse managers manage the original films;

> Provide remote timely inventory inquiry function and APP program;

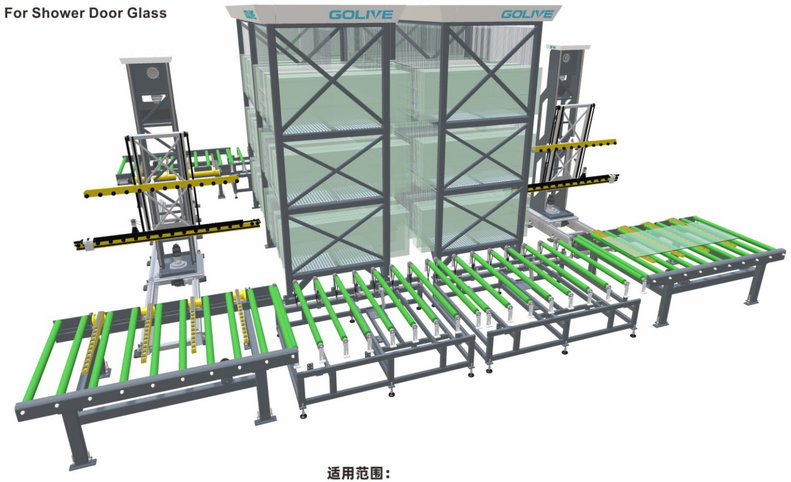
> Provide safe inventory pre-warning and timely PO generation function;

> Provide configuration control software and finish sending out and moving the corresponding glass automatically after receiving the corresponding glass rack serial No. required by the film sending platform issued by cutting optimization system; after the films are sent in time, the quantity of glasses in the relevant glass racks can be updated in time in the upper computer of GOLIVE system. The gantry warehousing system can realize automatic signal and data exchange with film sending platform.

> Working station is customized. 5-20m span of gantry film collector is optional.

卫浴玻璃智能理片分拣系统

Intelligent Sorting System For Shower Door Glass



产品简介：

对加工过程中的矩形玻璃进行尺寸检测或扫码识别确认身份后批次自动存储于网格架中，并按系统按套按序要求依次取出玻璃，依次为下一道玻璃加工工序进行缓存和梳理的功能，每一格网格可存储单片玻璃，并布局三层网格，从而达到存储空间的充分利用，快速、精准、智能分类存储及智能出库，过程中减少了人工搬运及分类存储的环节，避免人工分拣划伤玻璃，极大的提高了分拣效率及保证的产品品质；

Product introduction:

The rectangular glass in the process of processing is automatically stored in the grid frame in batches after size detection or code scanning identification, and the glass is taken out in sequence according to the requirements of the system, and the next glass processing procedure is cached and combed in turn. Each grid can store a single piece of glass, and three layers of grids are arranged, so as to make full use of the storage space, quickly, accurately and intelligently classify and store it, and reduce the links of manual handling and classified storage in the process, which greatly avoids manual sorting and scratching the glass.

适用范围：

钢化前缓存分拣：

> 玻璃自动缓存，平衡冷加工与钢化工序之间的节拍，确保钢化炉的嫁动率，让钢化炉不间断生产，提高效率，降低单位能耗成本；

>玻璃依钢化排版要求自动出片，自动排版，以达成钢化装载率最大化的目的；

成品缓存分拣：

> 玻璃依淋浴房成套/发货顺序/组装顺序要求自动出片，不需人工理片分拣，大幅度减少理片分拣人员，减少人工成本，提高分拣效率，　确保品质，减少场地面积，确保准交，快交；

Area of application:

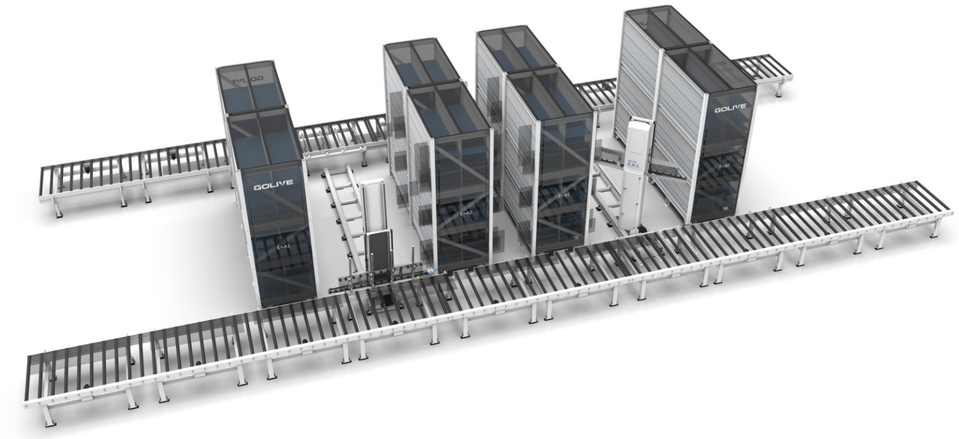
Buffer sorting before tempering:

> glass automatic cache, balance the beat between cold working and tempering process, ensure the turnover rate of tempering furnace, make tempering furnace produce continuously, improve efficiency and reduce unit energy consumption cost;

> the glass is automatically discharged and typeset according to the requirements of toughened typesetting, so as to achieve the purpose of maximizing the toughened loading rate;

Finished product cache sorting:

> the glass is automatically discharged according to the requirements of complete set/delivery order/assembly order of shower room, without manual sorting, which greatly reduces sorting personnel, reduces labor costs, improves sorting efficiency, ensures quality, reduces site area, and ensures accurate delivery and quick delivery;



组成：

检测台（扫码识别台）、输送台、翻片台、高速分拣小车、网格架、高速小车；

Composition:

Detection platform (code scanning recognition platform), conveying platform, film turning platform, high-speed sorting trolley, grid frame and high-speed trolley;

主要技术参数：

存储量：

单个网格架25格，三层，第一层存储高度1000mm,第二层存储高度1000mm,第三层存储高度1600mm;

网格架数量可根据场地和存量需求定制；

存储范围：

玻璃长度：800-2500mm; 宽度200-1600mm; 厚度4-12mm;

高速分拣小车速度：Max100m/min

玻璃输送速度速度：Max 40m/min

存取效率：两台分拣小车出入片效率4片/分钟；

Main Technical Specification:

Storage capacity:

A single grid frame has 25 grids and three layers, with the storage height of the first layer is 1000mm, the storage height of the second layer is 1000mm and the storage height of the third layer is 1600mm;

The number of grid frames can be customized according to the site and stock demand;

Storage range:

Glass length: 800-2500mm; Width 200-1600mm; Thickness of 4-12mm;

Speed of high-speed sorting trolley: Max100m/min

Glass conveying speed: Max 40m/min.

Access efficiency: the access efficiency of two sorting trolleys is 4 tablets/minute;

GWGC3525/4525/6030 系列/SERIES

Fully Automatic Smart Sorting & Matching System

全自动智能理片仓储系统

高速小车
移动速度最大300米/分
High-speed car Maximum
moving speed: 300 meters per minute



产品简介：

对加工过程中的矩形玻璃进行尺寸测量后批次存储于网格架内，并按系统要求依次取出玻璃，以此为下一道玻璃加工工序进行缓存和梳理功能，每一格网格可储存单片或多片玻璃，从而达到存储空间的充分利用,快速地检测、精确定位、智能分类存储及智能出库；过程中减少了人工搬运及分类存储的环节，提高效率。

Product introduction:

All the glass can storage to grid rack after finished all detection jobs of glass , and then can remove glass according system requirements ,it can caching and carding in advance for the next working step ,each grid can storage one or more pieces of glass to realise maximize storage ,detection quickly ,accurate pinpointing ,smart classification and smart outputting ,it can save man power and improve efficiency according reduce handling manually , classification storage .

适用范围：

玻璃切割后优化分拣功能；
玻璃磨边清洗后存储优化分类落架；
钢化之前对玻璃按订单或品种进行排炉优化和缓存；
中空之前对玻璃进行理片、缓存，并满足中空玻璃A/B片自动配对出片需求。

Area of application:

Optimizing Sorting function after cutting step;
Storage & Optimizing classification function after grinding and washing step;
Permutation optimization and sorting caching before tempered step;
Before hollow, the glass is processed and buffered, and the requirement of automatic matching of hollow glass A/B sheet is met.

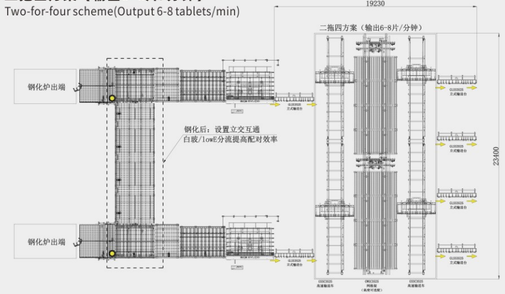
组成：

立式检测台，输送台，高速小车，网格架，高速小车，立式上下片台（可选项），管理系统。

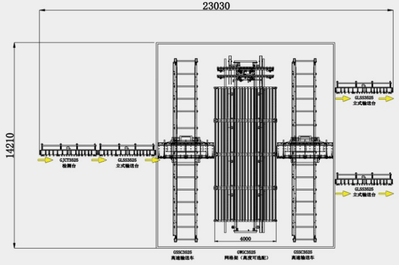
Composition:

Vertical Detection Table , Conveyor Table ,High Speed car , Grid, Vertical Loading & Unloading Table (optional), management system.

二拖四方案（输出6-8片/分钟）
Two-for-four scheme(Output 6-8 tablets/min)



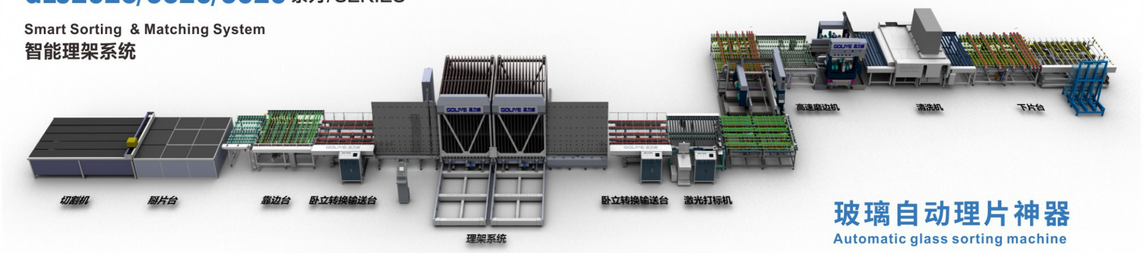
一拖二方案（输出4片/分钟）
One with two scheme(Output 4 tablets/min)



GLJ2520/3025/3525 系列/SERIES

Smart Sorting & Matching System

智能理架系统



玻璃自动理片神器

Automatic glass sorting machine

产品简介：

> 把散乱的玻璃输入巷道，快速精准检测、系统智能比对优化按理架模式规则出片；
> 取代人工配片和贴标撕标环节，提高生产效率；
> 支持工单扫描，读取ERP数据进行比对；
> 单架理片时，当上片玻璃为下片玻璃时直通，不用存储于网格内，允许连续入片。

组成：

> 立式输送台（手动/自动上片）+立式检测台+移动网架+立式输送台（手动/自动下片）

配对模式：

> 自动配对,不需耗费人力去人工配对,准确无误；
> 网格架中始终有玻璃不间断出玻璃，确保连续不停顿生产，中空整线效率提高20~30%；
> 出片玻璃信息可传递至上铝框段，指导上框顺序，确保不出错；
> 可自动打印对应玻璃标签，避免标签贴错；
> 自动反馈每架玻璃是否齐备，反馈或打印缺片和补片信息；
> 可提供信息给中空线自动调整胶深；

产品描述：

> 配对模式：适用于中空前在线使用,把两架需要配对的不同玻璃送进理架系统，按工单要求顺序配对好出片；
> 顺序模式：适用于中空前离线使用,把单架需要配对的不同玻璃送进理架系统，按工单顺序出片；
> 效率模式：适用于磨边前或彩釉前离线使用,按小批量整单及大小顺序出片，以散化整，减少磨边开合次数，提升磨边效率约1 ~ 3倍。
> 存量80巷道；每个巷道可存多片。

Product introduction:

> Put the scattering glasses into path; fast and precise inspection and system intelligent comparison and optimization; receive films based on the rack mode;
> Replacing artificial film matching and label pasting and removing to improve production efficiency;
> Supporting work ticket scanning and reading ERP data for comparison;
> It is directly connected when film is sorted with single rack and the upper glass is also the lower one; it will not be saved in net grid; continuous film sending is allowed.

Composition:

> Vertical transfer platform (manual/auto loading) + vertical detection bench + mobile net rack + vertical transfer platform (manual/auto unloading).

Pairing mode:

> Automatic matching, do not need to spend manpower to manual matching, accurate;
> There is always glass in the grid frame without breaking the glass, to ensure continuous production, the efficiency of hollow whole line increased by 20~30%;
> The glass information can be transferred to the upper aluminum frame, and the order of the upper frame can be guided to ensure no errors.
> The corresponding glass label can be automatically printed to avoid mislabeling;
> Automatic feedback on whether each glass frame is complete, feedback or printing missing and patch information;
> Can provide information to the hollow line automatically adjust the glue depth;

Product description:

> Pairing mode: Applicable to online use prior to insulating glass line ; send different glasses in need of repairing for two racks into rack sorting system; the pieces will be sent out after well repaired based on the sequence in work ticket in order;
> Sequence mode: Applicable to offline prior to insulating glass; send different glasses in need of repairing of single rack to rack sorting system; the pieces will be sent out based on the sequence in work ticket;
> Efficiency mode: Applicable to offline use prior to edge grinding or glazing; send out pieces based on the whole small batch of orders and size; the scattering ones will be integrated to reduce the edge grinding times; the edge grinding efficiency can be 1~3 times higher than previously.
> Stock 80 roadway; Each roadway can store multiple pieces.

双笼(160巷道)串联理片案例 / Double cage (160 laneway) series lamination case

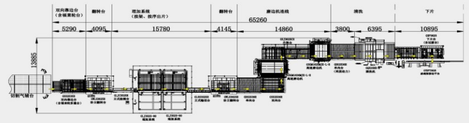


单笼(80巷道)串联理片案例 / Single cage (80 laneway) series laminated case

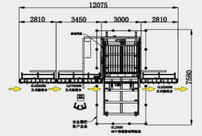


按架按序磨边自动下片

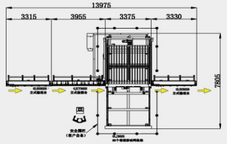
Edge grinding according to frame and sequence, automatic film unloading.



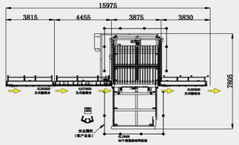
GLJ2520-80



GLJ3025-80



GLJ3525-80



主要技术参数 Main Technical Specification

型号 Model		GLJ2520/3025/3525	型号 Model		GLJ2520/3025/3525
加工玻璃厚度	Thickness of Processed Glass	3-10mm	工作台高度	Workbench platform	550±50mm
最小玻璃尺寸	Min. Glass Size	400x400mm	移动网架巷道	Mobile net rack path	80个(单个巷道可存多片)
最大玻璃尺寸	Max. Glass Size	2520/3025/3525	连线中空两玻配对数	Number of connected hollow glass pairs	≤30对/40对
玻璃输送速度	Glass Delivery Speed	45m/min	单架玻璃理片数	Number of single rack glass pieces	≤60片/80片
网架移动速度	Net Rack Moving Speed	≥18m/min	平均理片效率	Average glass piece efficiency	≥4pcs/min/≥3pcs/min
功率	Power	10KW	输送角度	Conveying angle	7°

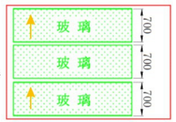
GCPT 2520/3025/3525/4025 系列/SERIES

Horizontal Sorting And Storage Station(Free Glass Taking)

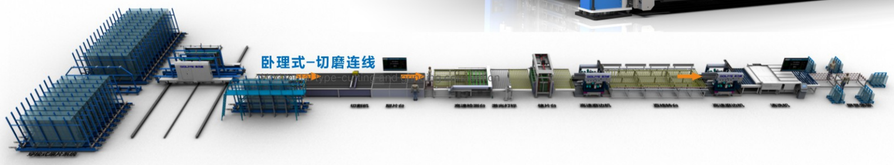
卧式理片储片台（自由取片）



单层可存储多片
Single layer can store multiple pieces



卧理式-切磨连线
Horizontal type-cutting and grinding connection



产品简介：

> 适用于切磨连线之间，平衡切割与磨边的生产节拍，自动优化，以散化整出片，减少磨边机开合，磨边效率倍增；
> 适用于磨边清洗与钢化之间，平衡磨边与钢化的生产节拍，自动优化，提升钢化炉的装载率；
> 适用于玻璃深加工的前工序与后工序之间，平衡上下游工段节拍，优化缓存；
> 避免后工序发生短暂故障而影响前工序的正常生产，达到调节生产的目的。

Product introduction:

> It is suitable for cutting and grinding connection line, balancing the production beat of cutting and edge grinding, automatic optimization, in order to disperse the whole piece, reduce the opening and closing of edge grinding machine, edge grinding efficiency doubled;
> It is suitable for balancing the production beat of grinding edge and tempering between grinding edge cleaning and tempering, automatically optimizing and improving the loading rate of the tempering furnace;
> It is suitable for the pre-process and post-process of glass deep processing, balancing the upstream and downstream section beats and optimizing the buffer memory.
> Avoid the temporary failure in the later process and affect the normal production of the previous process, so as to achieve the purpose of adjusting production.

主要技术参数 Main Technical Specification

型号 Model		GCPT 5025	GCPT 4025	GCPT 3525	GCPT 3025
最小加工玻璃尺寸	Minimum working glass size	400x400mm	400x400mm	400x400mm	400x400mm
最大加工玻璃尺寸	Maximum size of finished glass	5000x2500mm	4000x2500mm	3500x2500mm	3000x2500mm
层数	The layer number	8层/Layer	8层/Layer	8层/Layer	9层/Layer
厚度	Thickness	4-12mm	4-12mm	4-12mm	4-12mm
输送速度	Conveyor speed	0-40m/min	0-40m/min	0-40m/min	0-40m/min
总功率	The total power	6.5kW	6.5kW	6.5kW	6.5kW
工作台高度	Table height	最高：1000mm；最低：945mm	最高：1000mm；最低：945mm	最高：1000mm；最低：945mm	最高：1000mm；最低：945mm
传动方式	Transmission mode	辊筒+链条	辊筒+链条	辊筒+链条	辊筒+链条
定位方式	location mode	全伺服	全伺服	全伺服	全伺服

GCP 2520/3620 系列/SERIES

Buffer Storage

缓存储片台

> 对玻璃进行缓存，按顺序出片（后进先出）！
> Buffer storage and sending out the glass according to the667osequence(last in first out).



GYT 2520/3520 系列/SERIES

Cloud Ladder Type Glass Management System

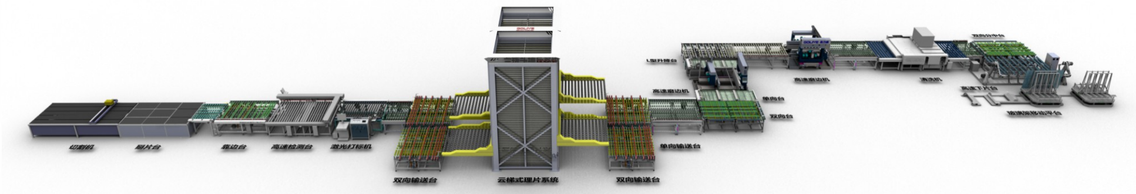
云梯式理片系统

> 对玻璃进行缓存分拣，按下工序要求自由分拣出片！
> Buffer sorting the glass and sending it outaccording to the process requirements.



云梯式理片高速切磨连线（自动理架、理序、自动下片）8片/分钟

Cloud ladder type glass management High-speed cutting and grinding connection (automatic rack sorting, sequence sorting, automatic unloading) 8 pieces/minute



幸福无处不在
HAPPINESS IS EVERYWHERE.

企业的发展，产品和技术固然重要，让员工幸福，受客户尊敬和信赖，使社会和谐更为重要！
只有这样，幸福才会无处不在！

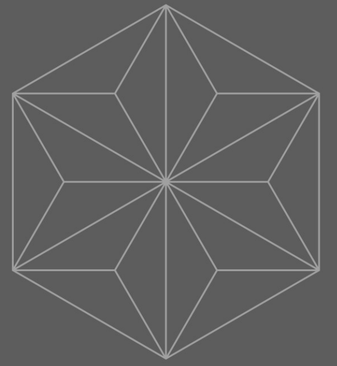
Enterprise development is more than innovation of technology but also with Employee Recognition and Customer Acceptance.
We firmly believe that Customer Satisfaction is always the most happiest thing of GOLIVE Staff.

产品和技术是企业的竞争力，
而一流的经营理念，
一流的人才培养系统，
一流的经营体制，
才是企业发展的核心竞争力。
客户对企业的尊重和信赖是最好的见证！ ——陆思远 总裁

Products and technology are the competitiveness of enterprises,
and first-class business philosophy,
first-class personnel training system,
first-class management system,
is the core competitiveness of enterprise development.
The customer's respect and trust to the enterprise is the best witness! **Said by Eric Golive President**



GOLIVE 高力威
创 新 驱 动 智 领 未 来



至此，
高力威给您呈现了诚信和品质，
这世界需要更绿色更透明，
让我们共同携手并努力，
承担这历史使命！
谢谢您的翻阅！

So far,
GOLIVE has expressed our sincerity and quality,
let's work together to make the world greener and more transparent,
let's make efforts together to take on the historical mission!
Thanks for your attention!