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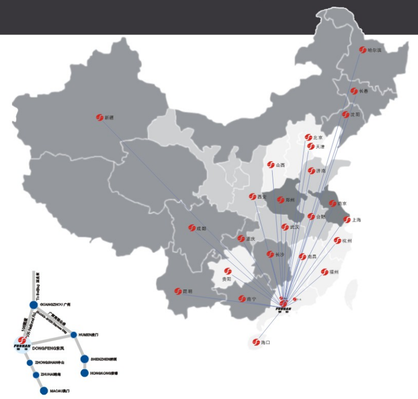
广东省著名商标

## 销售和服务网络 SALES AND SERVICE NETWORK

# GUANGDONG FUSHAN GLASS MACHINERY CO., LTD

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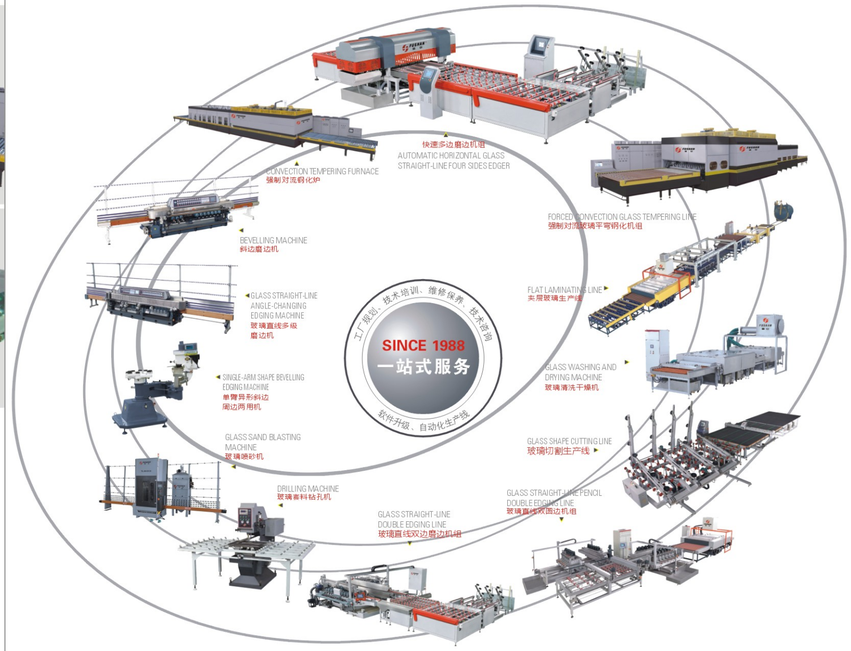
Provide you with the perfect solutions of glass processing





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# 快速四边磨边机

## AUTOMATIC HORIZONTAL GLASS STRAIGHT-LINE FOUR SIDES EDGER

FDM Automatic Horizontal Glass Straight-line Four Sides Edger, is a kind of professional processing equipment for rectangular glass, which is one of the best choice in glass process field with high processing precision, high efficiency and high configures, equipped with PLC control system, human-computer interface,15 spindles servo motors control system, linkage movement of four shafts to achieve, automatic identify the glass size and thickness, The glass can be loaded continually , without waiting and manual adjustment, the glass transfer and fixed by vacuum sucker belt to prevent scratches or press marks , high efficiency spindle grinding the glass edge and weeding Low-E film. Also it can be equipped with glass cutting line , automatic loading and unloading table, washing machine , tempering line or other automatic glass processing machine units together, which is one of the best equipment for architectural insulated glass and Low-E glass.

FDM快速四边磨边机，是矩形玻璃高速专用磨边加工设备,可同时磨削玻璃边部的底边和倒角加安全角,或选择玻璃四边的除LOW-E膜和倒角。具有高加工精度，高效率，高机械配置的整体特点，采用PLC控制，人机界面操作，十五个伺服电机控制四轴联动，自动识别玻璃尺寸和厚度，在有效范围内，玻璃可连续上片，无需人工调整和等待,以皮带式真空吸力传送及固定玻璃后加工磨边和除膜，有效避免玻璃划伤和表面压痕，极大地提高了玻璃磨边的速度。可与切割线、自动上下片台、清洗机、钢化炉等设备组成全自动的玻璃加工机组，是建筑、门窗中空玻璃和LOW-E玻璃磨边加工最佳配套设备。

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# The Company
## 公司简介

### 追求卓越　走向世界
### KEEP IMPROVING　WORLD VIEWING

广东富山玻璃机械有限公司创建于一九八八年，占地面积50000多平方米，能独立设计开发和研制生产具有国际水平的玻璃深加工设备。

公司具有丰富的生产经验和精良的加工设备，并与多家大学和科研院所长期合作。开发应用先进技术，不断提高产品档次，引领市场需求。目前公司主导产品有:水平辊道式平/弯钢化生产线、强制对流钢化生产线、快速四边磨边机组、异形切割线、镀银镜生产线、汽车后视镜生产线、夹层玻璃生产线及各类磨边机、斜边机、钻孔机、清洗干燥机等数十种不同型号的设备，其中多项技术获得国家及国外技术专利，填补空白，有多个新开发的产品获得科技进步奖项。

本公司在国内同行业首家通过ISO9001国际质量体系认证和CE欧洲安全认证，并倡导以顾客为中心的服务理念，以优良的产品和完善的技术服务赢得了广大客户的信赖和支持，产品畅销海内外。2007年被授予“广东省著名商标”称号。

“追求卓越，走向世界”是富山人不断开拓进取的动力与目标。我们永远坚持以完善的品质为生存契机，依托“精品战略”继续与国内外朋友真诚合作，共同创造玻璃深加工机械制造业的辉煌。

Guangdong Fushan Glass Machinery Co.,Ltd,established in 1988 with an occupancy of more than 50,000 square meters, she is a world-famous glass processing machinery manufacturer. Able to design and produce by herself world level glass processing machines.

Fushan enjoys her richness in production experience and precision in processing equipments. She has been well armored with technological power and established a long-term co-operation with many universities and institutes. The application of advanced technologies has consistently upgraded Fushan's products, with her standing in the far lead, and orienting the market. The main products include: the horizontal roller hearth flat & bent tempering furnace, forced convection tempering furnace, shape cutting line, automatic horizontal glass straight-line four sides edging line, flat laminating line, various type edging & beveling machines, drilling machines, heat bending furnace etc., most of which have got national or international patents, unprecedented in China, and have won national technology advancement prizes.

Nowdays Fushan took the first lead in passing the ISO9001, CE certification among domestic glass machinery manufacturers. And she gains customers' trust and support with her quality and perfect after-sales service and obtains good market shares homeland and abroad. In 2007 Fushan was awarded "The famous Brand of Guangdong province"

"Keep improving, World viewing" is Fushaners' impetus and object to struggle continuously for Improvements. In the future,  Fushan will co-create new brilliance production sincerely with friends worldwide in glass processing machinery industry.

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Audited By TÜVRheinland®
Audit Report No. 16021767

CTI ISO9001:2008

CNAS 环境认证 CNAS C041-E ISO14001:2004

CE

强制对流技术德国发明专利证书
The Forced Convection Tempering Furnace Invent Patent
专利证号：102008025798

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# FDM1630C
# 快速四边磨边机
## AUTOMATIC HORIZONTAL GLASS STRAIGHT-LINE FOUR SIDES EDGER

FDM Automatic Horizontal Glass Straight-line Four Sides Edger, is a kind of professional processing equipment for rectangular glass, which is one of the best choice in glass process field with high processing precision, high efficiency and high configures, equipped with PLC control system, human-computer interface,15 spindles servo motors control system, linkage movement of four shafts to achieve, automatic identify the glass size and thickness, The glass can be loaded continually , without waiting and manual adjustment, the glass transfer and fixed by vacuum sucker belt to prevent scratches or press marks , high efficiency spindle grinding the glass edge and weeding Low-E film. Also it can be equipped with glass cutting line , automatic loading and unloading table, washing machine , tempering line or other automatic glass processing machine units together, which is one of the best equipment for architectural insulated glass and Low-E glass. Type FDM2436 is only for high speed arris chamfering.

FDM快速多边磨边机，是矩形玻璃高速专用磨边加工设备,可同时磨削玻璃边部的底边和倒角加安全角,或选择玻璃四边的除LOW-E膜和倒角。具有高加工精度，高效率，高机械配置的整体特点，采用PLC控制，人机界面操作，十五个伺服电机控制四轴联动，自动识别玻璃尺寸和厚度，在有效范围内，玻璃可连续上片，无需人工调整和等待;以皮带式真空吸力传送及固定玻璃后加工磨边和除膜，有效避免玻璃划伤和表面压痕，极大地提高了玻璃磨边的速度。可与切割线、自动上下片台、清洗机、钢化炉等设备组成全自动的玻璃加工机组，是建筑、门窗中空玻璃和LOW-E玻璃磨边加工最佳配套设备。FDM2436为高速倒角机型。

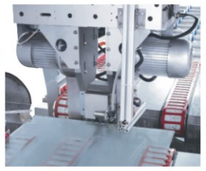
FDM1630C

底边磨边磨头组
Flat edging spindles

倒角带除膜磨头组
Arris edging spindles with weeding Low-E film

底边加倒角带除膜磨头组
Flat and arris edging spindles with weeding Low-E film

真空皮带输送
Vacuum sucker belt


倒角磨边磨头组
Arris edging spindles

# FDM2436B
# 快速四边磨边机
## AUTOMATIC HORIZONTAL GLASS STRAIGHT-LINE FOUR SIDES EDGER

FDM2436B

| | | MIN 最小玻璃尺寸 | MAX 最大玻璃尺寸 | 玻璃厚度 | 磨削速度 | 工作高度 | 重量kg | 功率 | 尺寸(长×宽×高) |
|---|---|---|---|---|---|---|---|---|---|
| FDM2436 | 单倒角 Arris Only | 300×650 | 2440×3600 | 4~12 | 6~30m/min | 920±20 | 4750 | 29kw | 9000×4650×1850 |
| FDM2436A | 倒角加底边 Arris & Flat Edging | 300×750 | 2440×3600 | 4~12 | 6~30m/min | 920±20 | 4750 | 32kw | 9000×4650×1850 |
| FDM2436B | 倒角加除膜 Arris & Weeding Low-e Film | 350×750 | 2440×3600 | 4~12 | 6~30m/min | 920±20 | 4750 | 32kw | 9000×4650×1850 |
| FDM2436C | 倒角加底边带除膜 Flat & arris edging with weeding Low-E film | 350×800 | 2440×3600 | 4~12 | 6~30m/min | 920±20 | 4800 | 35kw | 9000×4650×1850 |
| FDM1630 | 单倒角 Arris Only | 280×650 | 1600×3000 | 4~12 | 6~30m/min | 880±20 | 4000 | 29kw | 7800×3910×1850 |
| FDM1630A | 倒角加底边 Arris & Flat Edging | 300×750 | 1600×3000 | 4~12 | 6~30m/min | 880±20 | 4000 | 32kw | 7800×3910×1850 |
| FDM1630B | 倒角加除膜 Arris & Weeding Low-e Film | 350×750 | 1600×3000 | 4~12 | 6~30m/min | 880±20 | 4000 | 32kw | 7800×3910×1850 |
| FDM1630C | 倒角加底边带除膜 Flat & arris edging with weeding Low-E film | 350×800 | 1600×3000 | 4~12 | 6~30m/min | 880±20 | 4050 | 35kw | 7800×3910×1850 |

## FSM20C
# 全自动双边机组
## AUTOMATIC DOUBLE EDGING MACHINE

The glass loaded by FSP2010 automatic loading table ,glass width and thickness will be measured by FGS20 machine,FSM20C double edging machine will change the moving beam opening and closing automatically,as well as the top beam pressing thickness and top arris spindle height position, with reliability and precision ,saving the time of manual checking and time of adjustment,avoiding the worker's wrong operation, which is one of the best equipments for grinding big quantity different size glass.

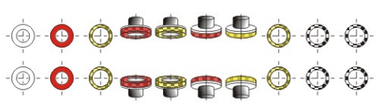
FSM20C全自动双边机组是我公司根据市场需求，综合国内外先进技术开发的产品。玻璃经FSP2010上片机自动上片并对正后，由FGS20玻璃自动检测台快速检测玻璃宽度和厚度，FSM20C全自动双边机则按照检测数据快速自动调整移动梁宽度开合，上梁体压紧厚度和上倒角磨头高度位置，省去了人工测量和调整所耗费的时间，且准确可靠，避免了人为的操作失误，是批量高效率磨削加工不同规格玻璃的首选设备。

## FGS20
# 玻璃自动检测台
## AUTOMATIC GLASS WIDTH & THICKNESS MEASURING TABLE

The standard width of the double edger are 2.6m、3m、4.2m、4.5m, also we can offer the special width model under the customer's requirement.

双边磨宽度标准型号分别是2.6米、3米、4.2米、4.5米，也可按客户要求订做！

## FSP2010
# 自动上片台
## AUTOMATIC LOADING TABLE




| | | | | | | |
|---|---|---|---|---|---|---|
| FSM20C | 0.8~8.0 | 240~4500 | 3~30 | 53 | 6000x4800x2200 | 8000 |
| | 31"~320" | 9"x177" | 1/8"~1 3/16" | 53 | 236"x189"x87" | 17,600 |

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## FHT3727A
# 玻璃切割生产线
## GLASS SHAPE CUTTING LINE

Full automatic glass cutting line is composed of three parts such as automatic loading table, full automatic glass cutting machine and Pneumatic glass breaking table, which will enable the assembly-line processing of loading, cutting, breaking.
Apply the most advanced abroad two-shaft-three-link type I-shaped design, so as to achieve precision stability under long- term use and fast operation; applicble to construction curtain walls, Auto Windshield, crafts, furniture, hollow, solar glass, etc., or set cutting for linear or special-shaped glass.

全自动玻璃切割流水线由全自动上片台、全自动玻璃切割机以及气垫掰片台三部分组成，实现上片、切割、掰片的流水作业。
采用国外最先进的两轴三连式工字型设计并使用进口高精度齿条、滑轨、伺服马达及气动原件，达到长期使用精度稳定，运行速度快；适用于建筑幕墙、汽车挡风、工艺、家俬、中空、太阳能玻璃等各类直线或异 形玻璃的批量切割。

FHT3727A

## FSP4-3727
# 四工位上片机(四工位)
## FULL AUTOMATIC GLASS LOADING TABLE

Features：
Lifting by overturn arm hydraulic driven or chain and ball screw drive;
Driven by the ground beam motor, automatically sensing the location of the glass, and the glass will be transported to the cutting location through the rolling wheel.
Mechanical loading machine adopts imported motor, screw, smooth operation, low maintenance costs .
Supporting use of with foreign countries the variety of automatic cutting machine, also used for laminated glass production line, replace the human turn pieces, improve efficiency, safety and reliability.

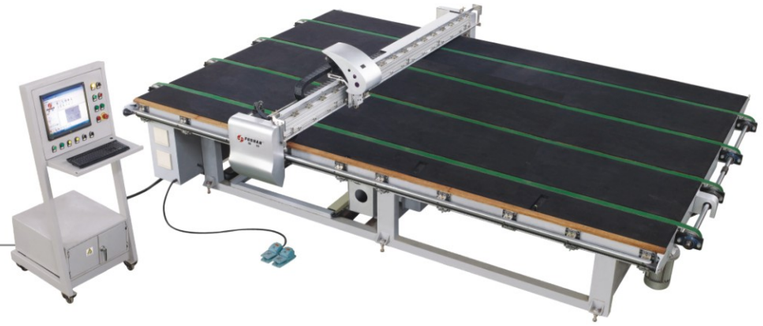
特点：
该设备由取片行走机构、吸盘翻转臂机构、送片传递机构、液压系统（机械式翻转机构）、真空系统、电气系统六大部分组成；自动吸取玻璃原片翻转为水平位置，根据信号传送到自动切割工作台面上。.可与国内外多种自动切割机配套使用，也可用于夹层玻璃生产线上片、彩釉玻璃生产线上片等；替代了人力翻片，提高功效，安全可靠。

FSP4-3727

## FHT3727B
# 玻璃切割机
## GLASS SHAPE CUTTING MACHINE

Straight and shape cutting machine for flat glass with CNC control, X,Y and Z shafts and linkage movement of three shafts by servo system. It provides belt and pneumatic transmission, which has several input modes and optimization. It can be used independently or form the automatic cutting set with automatic glass loading table and glass break out table. ,It takes advantages such as high efficiency and low labor intensity.

采用通用计算机中央控制，由伺服系统实现X、Y、Z轴三个方向的控制，三轴联动；且具有多种输入方式和高级的排样方法，用于平板玻璃进行直线和异形切割。传送玻璃时同时有皮带传送和风力传送两种方式。可单机使用，也可与自动上片台、掰片台组合成一条玻璃自动切割机组，可根据客户需要设计各种规格。



FHT3727B

| | MAX | MIN | | | | | Kg lbs |
|---|---|---|---|---|---|---|---|
| FHT3727B | 3700x2700 | 1500x1500 | 100~140 | 3~19 | ±0.2 | 4670x3310x1140 | 2500 |
| | 148''~108'' | 59''x59'' | 3937''~5510'' | 1/8''~3/4'' | 1/200'' | 184''x130''x45'' | 5,500 |

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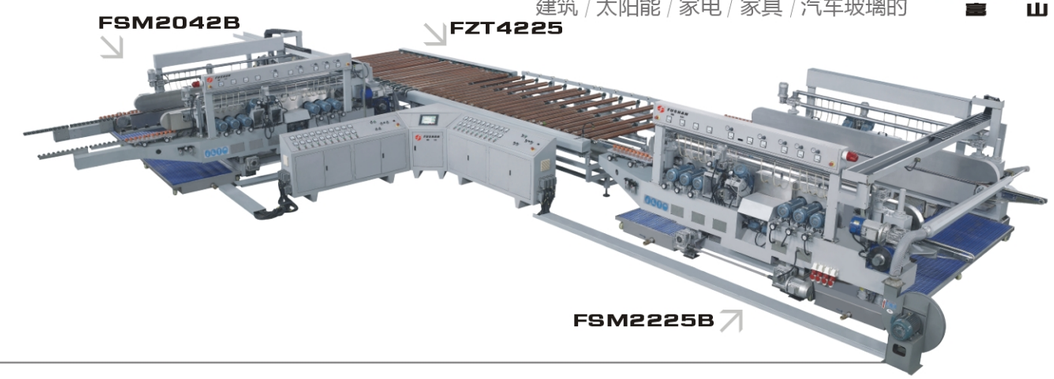



# 玻璃直线双边磨边机组
## GLASS STRAIGHT-LINE DOUBLE EDGING LINE

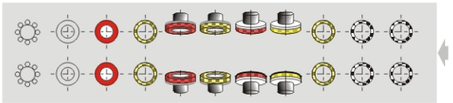
This product is consisted of one FSM2042B straight line double edger with twenty wheels, one FZT4225 transfer table and one FSM2225B straight line double edger with twenty wheels, It is the best matched equipment of large batch of furniture and building glass edge production.

该机组由一台玻璃直线双边磨边机FSM2042B(20磨头)，一台FZT4225中间直角转台和一台FSM2225B玻璃直线双边磨边机(22磨头带安全倒角)组成，是大批量建筑和家具玻璃磨边生产的最佳配套设备。

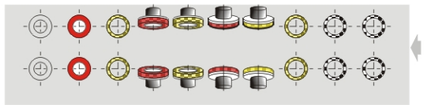
# FSM20B
# 玻璃直线双边磨边机组
## GLASS STRAIGHT-LINE DOUBLE EDGING LINE

The standard width of the double edger are 2.6m、3m、4.2m、4.5m, also we can offer the special width model under the customer's requirement.

双边磨宽度标准型号分别是2.6米、3米、4.2米、4.5米，也可按客户要求订做!



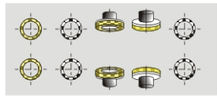
FSM22-Ⅱ



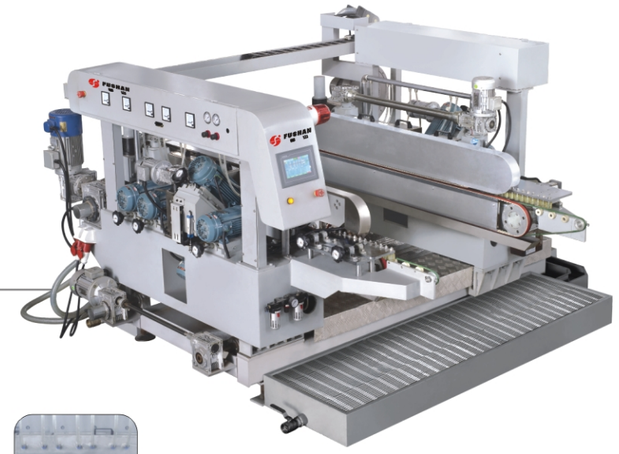
FSM20B

FSM20B

# FSM1015B
# 玻璃直线双边磨边机组
## GLASS STRAIGHT-LINE DOUBLE EDGING LINE



FSM10B



FSM1015B

| | | | | | | |
|---|---|---|---|---|---|---|
| FSM20B | 0.8~5.0 | 240~4500 | 3~30 | 53 | 6000x4800x2200 | 8000 |
| | 31''~200'' | 9''x177'' | 1/8''~1 3/16'' | 53 | 236''x189''x87'' | 17,600 |
| FSM26B | 0.8~5.0 | 240~6000可选 | 3~30 | 70 | 7200x5400x2200 | 9900 |
| | 31''~200'' | 10''x236'' | 1/8''~1 3/16'' | 70 | 283''x212''x87'' | 21,780 |

| | MAX | MIN | | | | | |
|---|---|---|---|---|---|---|---|
| FSM10B | 1500x1500 | 80x80 | 0.5~10m/min | 3~112 | 24KW | 3060x2860x1750 | 2500 |
| | 60''~60'' | 3 1/5''x3 1/5'' | 20''~400'' | 1/8''x4 4/5'' | 24KW | 123''x115''x70'' | 5,500 |

安全倒角型
Model with safety corner cut

除膜型
Model with Low-E film removal

增强抛光型
Model with high polishing effect

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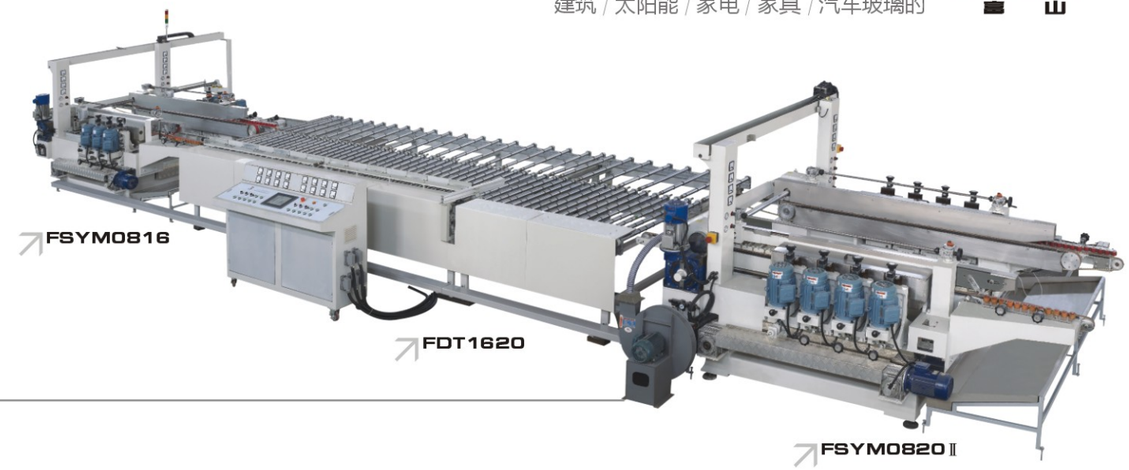
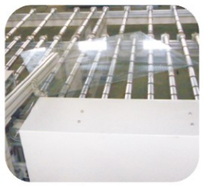
# FSYM0820
## 玻璃直线双圆边机组
## GLASS STRAIGHT-LINE PENCIL DOUBLE EDGING LINE

Suitable for parallel double edges of flat glass, PLC control with touch screen. Process and polish the flat glass with pencil and flat edging. Model Ⅱ can process the safety corner. Especially, the two double edging machines can connected to be one line.

该机主要用于对直线平板玻璃平行双边进行加工的专用设备，采用PLC控制，触摸式人机操作界面，可对玻璃的圆弧边、平边等进行磨削及抛光加工，Ⅱ型可修磨安全角。本机既可单机使用，也可联机成线。

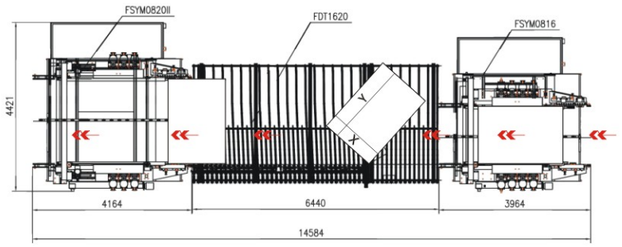


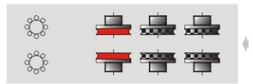
Straight-line Turing table
直线型自动转台

High speed safety corner cut
高速安全倒角

Touch screen
触摸屏操作

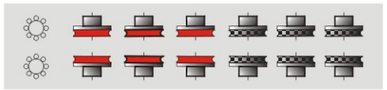



FSYM0820Ⅱ

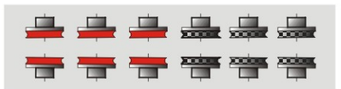


FSYM0816

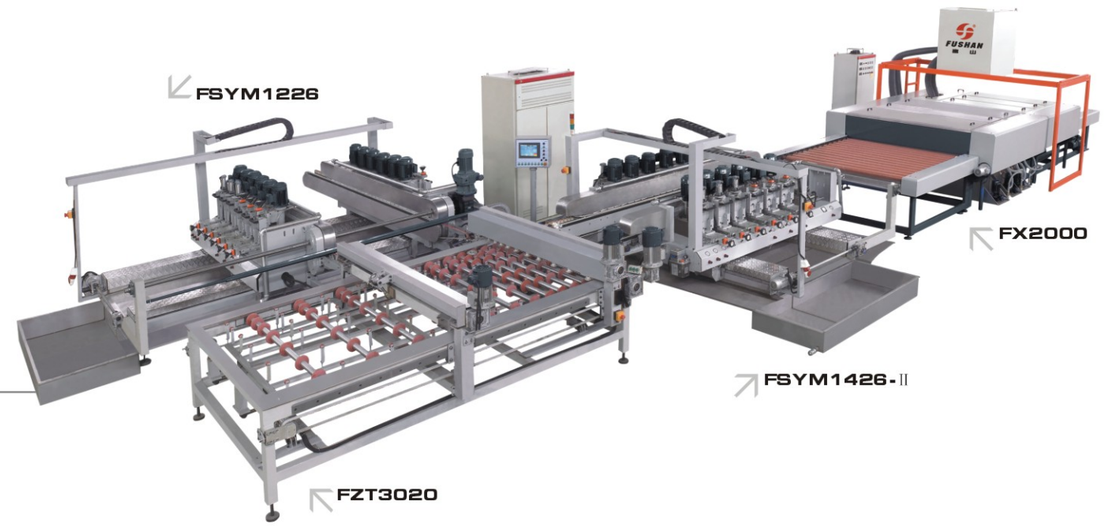
FSYM1426-Ⅱ



FSYM1226



# FSYM1226
## 玻璃直线双圆边机组
## GLASS STRAIGHT-LINE PENCIL DOUBLE EDGING LINE




| | | | | | | |
|---|---|---|---|---|---|---|
| FSYM0816 | 5.0~12.0m/min | 170~1600可选 | 3~ 8mm | 25 | 4020x3800x2200 | 4500 |
| | 200''~480'' | 7''x 64'' | 1/8''~1/3'' | 25 | 161''x152''x88'' | 9,900 |
| FSYM0820Ⅱ | 5.0~12.0m/min | 170~2000可选 | 3~ 8mm | 26 | 4020x4200x2200 | 5000 |
| | 200''~480'' | 7''x 80'' | 1/8''~1/3'' | 26 | 161''x168''x88'' | 11,000 |
| FSYM1226 | 5.0~12.0m/min | 170~2600可选 | 3~ 19mm | 30 | 4620x4200x2200 | 6000 |
| | 200''~480'' | 7''x 103'' | 1/8''~3/4'' | 30 | 171''x168''x88'' | 13,000 |

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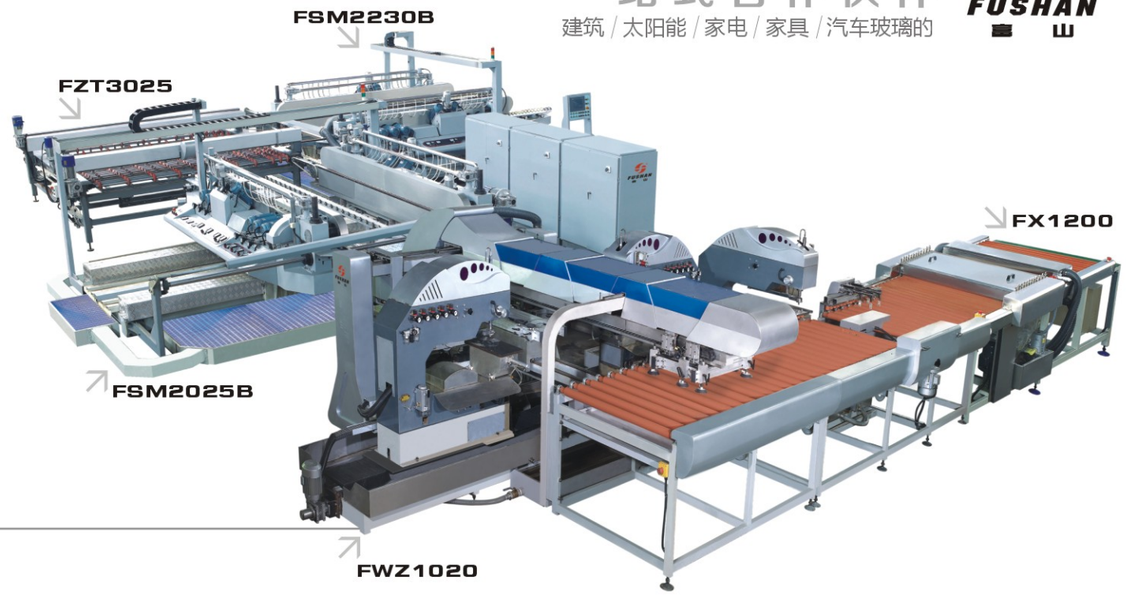
# FSM2230B+FZT3025+FSM2025B+FWZ1020
# 玻璃直线双边钻孔机组
## GLASS STRAIGHT-LINE DOUBLE EDGING & DRILLING LINE

FWZ1020 Double Heads Drilling Machine have adopts NC system ( PLC + touch screen ) to control . Glass automatic transfer , automatic position itself and automatic drilling have realize by AC servo system .This machine can working double sides and two shafts at the same time .The velocity modulation for the drilling motor have use three levels belt manner to process , That machine has high drilling precision, accurate size , efficiency , can work with double edger , washing machine and other processing machine consisting of automation assembly. That is an ideal equipment of glass drilling for the industrial and construction glass .

该机组由一台直线双边磨边机FSM2230B（22磨头），一台FZT3025直线90度中央转台和一台FSM2025B（20磨头）直线双边磨边机组成，并且连接上了一台 FWZ1020自动钻孔加工生产线和一台FX1200清洗机组成的全自动加工设备，是大批量淋浴房玻璃生产的最佳全套设备。

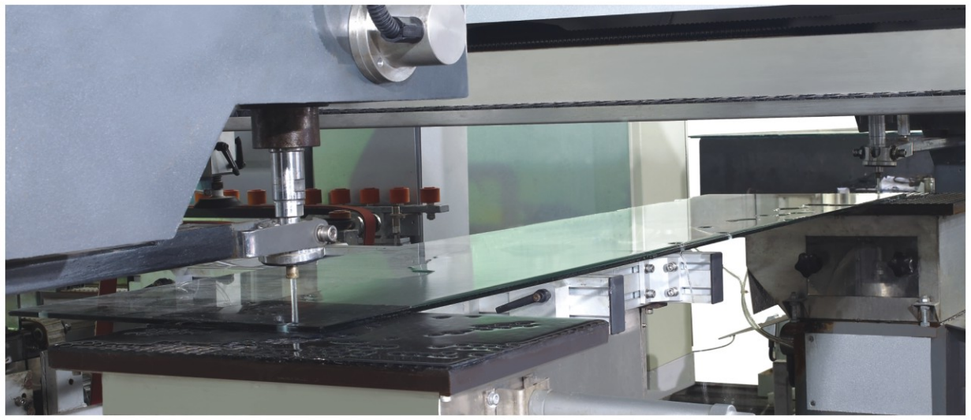



# 淋浴房玻璃直线双边钻孔机组
## SHOWER ROOM GLASS STRAIGHT-LINE DOUBLE EDGING & DRILLING LINE

## FWZ1020全自动玻璃钻孔生产线
## FWZ1020 AUTOMATIC DRILLING PROCESSING LINE

This products are consisted of one FSM2230B straight line double edger with twenty-two wheels, one FZT3025 transfer table and one FSM2025 straight line double edger with twenty wheels, and FWZ1020 automatic drilling processing line with FX1200 glass washing machine, It is the best matched equipment for large shower room glass edge production.

FWZ1020双边钻孔机组采用数控系统（PLC+触摸显示屏）控制，由交流伺服系统实现玻璃自动输送、自动定位、自动钻孔的功能。此设备实现双面.两轴同时钻孔作业，钻头电机的调速用三级皮带方式进行，钻孔精度高，尺寸准确、效率高，可与双边机、清洗机及其它加工设备连接组成自动化流水线作业，是产业玻璃和建筑玻璃钻孔加工的最佳配套设备。



| | | MAX | MIN | | KW | | Kg lbs |
|---|---|---|---|---|---|---|---|
| FSM2230B+FSM2025B | 0.5~6.5m/min | 2000x3000 | 300x1000 | 3~ 19mm | 119 | 16000x5000x2200 | 23000 |
| | 20''~256'' | 79''x 119'' | 12''x 40'' | 1/8''~3/4'' | 119 | 630''x197''x88'' | 50,600 |

| | MAX | MIN | | KW | Kg lbs |
|---|---|---|---|---|---|
| FWZ1020 | 1000x2000 | 300x1000 | 3~19mm | 14 | 3500 |
| | 40''x 80'' | 12''x 40'' | 1/8''~3/4'' | 14 | 7,700 |

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# FXM371P
## 玻璃直线斜边磨边机
## GLASS STRAIGHT-LINE BEVELLING MACHINE

Joint-Link adopts chainless ball bearing structure.Using up & down structure of front-beam. PLC control with the touch screen monitor human-machine interface,which displays the glass thickness,bevel width and angle,remaining thickness.Suitable for bevelling and edging of various flat glass and mirror.

采用无链条轴承滚动链板结构，且前梁可升降。电气采用 PLC自动控制，有触摸屏作为人机界面，并能显示玻璃厚度、斜边宽度及角度、剩余玻璃厚度和加工速度等各种参数。用于加工各种平板玻璃或镜片的斜边及底边。

FXM371P

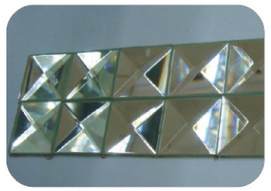
FXM371P

PVC drainage pipes



Touch screen

CE electrical cabinet



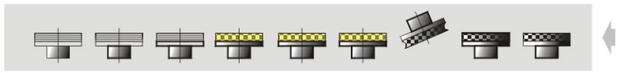
Mosaics glass

# FXM351D-Ⅱ/FXM351P-Ⅱ
## 玻璃直线斜边磨边机
## GLASS STRAIGHT-LINE BEVELLING MACHINE

Chain transmitting with high quality spindles, suitable for bevelling and edging various flat glass and mirror, Model P with PLC control system with touch screen human-machine interface. while model D is semi-automatic with LED displaying thickness, bevel width and angle, working speed and finished meters.

采用链条链板传动，进口优质电机，适用于加工各种平板玻璃或镜片的斜边及底边。D型具有玻璃厚度、边宽、角度、速度和累计加工量等数字显示，P型有PLC自动控制系统，并用触摸屏作为人机界面。

FXM351D-Ⅱ



FXM351D-Ⅱ

FXM351P-Ⅱ

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| FXM371P | 0.4~5.0 | 60 | 2.5°~45° | 25x25 | 3~19 | 27 | 8300x1550x2250 | 5200 |
| | 16''~200'' | 2 3/8'' | 2.5°~45° | 1''x1'' | 1/8''~3/4'' | 27 | 332''x60''x89'' | 11,440 |
| FXM351D-Ⅱ | 0.6~3.0 | 40 | 3°~45° | 125x125 | 3~19 | 22 | 8100x1100x2000 | 4000 |
| | 16''~120'' | 1 5/8'' | 3°~45° | 5''x 5'' | 1/8''~3/4'' | 22 | 307''x50''x101'' | 8,800 |
| FXM351P-Ⅱ | 0.6~3.0 | 40 | 3°~45° | 125x125 | 3~19 | 22 | 8100x1100x2000 | 4000 |
| | 16''~120'' | 1 5/58'' | 3°~45° | 5''x 5'' | 1/8''~3/4'' | 22 | 307''x50''x101'' | 8,800 |

# FXM351P
## 玻璃直线斜边磨边机
## GLASS STRAIGHT-LINE BEVELLING MACHINE

Chain transmitting ,PLC control system with touch screen human–machine interface,which displays the glass thickness, bevel width and angle, remaining thickness and working speed .Suitable for bevelling and edging of various flat glass and mirror.

采用链条链板传动，有PLC自动控制系统，并用触摸屏作为人机界面，且能显示待玻璃厚度、斜边宽度及角度、剩余玻璃厚度和加工速度等各种参数。适用于加工各种平板玻璃或镜片的斜边及底边。

FXM351P

旧款电箱可订制
The old type electric panel as option

FXM351P

# FXM351D
## 玻璃直线斜边磨边机
## GLASS STRAIGHT-LINE BEVELLING MACHINE

Chain transmitting,suitable for bevelling and edging various flat glass and mirror ,Model A is manual controlled while model D is electric controlled with LED displaying thickness,bevel width and angle ,working speed and finished meters.

采用链条链板传动，适用于加工各种平板玻璃或镜片的斜边及底边。FXM351型为普通型；D型具有玻璃厚度、边宽、角度、速度和累计加工量等数字显示。

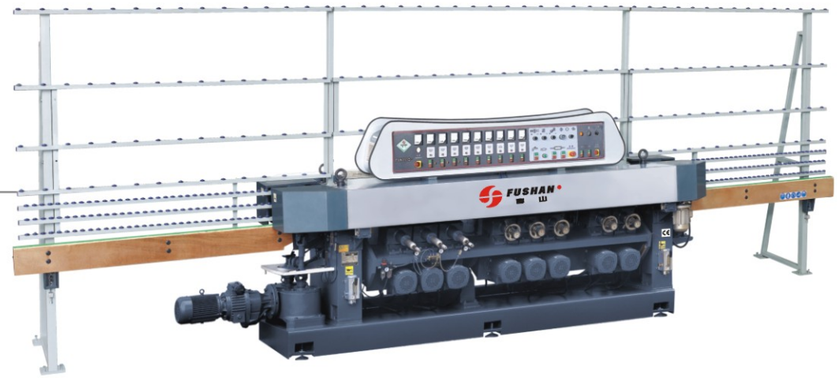
FXM351D

FXM351D

# FXM351
## 玻璃直线斜边磨边机
## GLASS STRAIGHT-LINE BEVELLING MACHINE

FXM351

FXM351



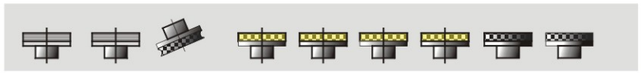
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| FXM351P | 0.6~3.0 | 40 | 3°~45° | 125x125 | 3~20 | 17 | 7800x1540x2250 | 4800 |
| | 24''~118'' | 1 5/8'' | 3°~45° | 5''x5'' | 1/8''~3/4'' | 17 | 307''x60''x88'' | 10,560 |
| FXM351D | 0.6~3.0 | 40 | 3°~45° | 125x125 | 3~20 | 17 | 7800x1540x2250 | 4800 |
| | 24'z'~118'' | 1 5/8'' | 3°~45° | 5''x 5'' | 1/8''~3/4'' | 17 | 307''x60''x88'' | 10,560 |
| FXM351 | 0.6~3.0 | 40 | 3°~45° | 125x125 | 3~20 | 17 | 7800x1540x2250 | 4800 |
| | 24''~118'' | 1 5/8'' | 3°~45° | 5''x 5'' | 1/8''~3/4'' | 17 | 307''x60''x88'' | 10,560 |

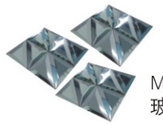
# FXM261P/FXM261D
## 玻璃直线斜边磨边机
## GLASS STRAIGHT-LINE BEVELLING MACHINE

Chain transmitting, suitable for bevelling and edging various flat glass and mirror, Using up & down structure of front-beam. Suitable for grinding small size mosaics glass Model A is manual controlled while model D is electric controlled with LED displaying thickness, bevel width and angle ,working speed. Model P with PLC control system with touch screen human-machine interface.

采用链条链板传动，适用于加工各种平板玻璃或镜片的斜边及底边，且前梁可升降，适合磨削小片镶嵌玻璃和玻璃马赛克， A型为普通型；D型具有玻璃厚度、边宽、角度、速度等数字显示，P型有PLC自动控制系统，并用触摸屏作为人机界面。

FXM261





MOSAICS GLASS
玻璃马赛克

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| FXM261 | 0.6~3.0 | 40 | 3°~45° | 25x25 | 3~19 | 22 | 8100x1100x2000 | 4000 |
| | 16''~120'' | 1 5/8'' | 3°~45° | 1''x 1'' | 1/8''~3/4'' | 22 | 307''x50''x101'' | 8,800 |

FXM261P

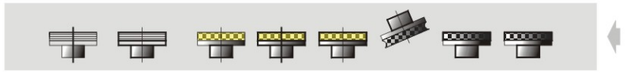
FXM261D

# FXM251P-Ⅱ/FXM251D
## 玻璃直线斜边磨边机
## GLASS STRAIGHT-LINE BEVELLING MACHINE

Chain transmitting with high quality spindles, suitable for bevelling and edging various flat glass and mirror, Model P with PLC control system with touch screen human-machine interface. while model D is semi-automatic with LED displaying thickness, bevel width and angle, working speed and finished meters.

采用链条链板传动，进品优质磨头电机，适用于加工各种平板玻璃或镜片的斜边及底边。D型具有玻璃厚度、边宽、角度、速度和累计加工量等数字显示，P型有PLC自动控制系统，并用触摸屏作为人机界面。

FXM251



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| FXM251 | 0.6~3.0 | 30 | 3°~45° | 120x120 | 3~20 | 16.8 | 7670x1250x2520 | 3,800 |
| | 16''~120'' | 1 1/5'' | 3°~45° | 4 4/5''x 4 4/5'' | 1/8''~4/5'' | 16.8 | 307''x50''x101'' | 8,360 |

FXM251P-Ⅱ

FXM251D

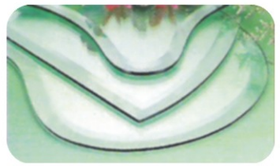
## FD21P

# 单臂异形斜边 / 周边两用机

## SINGLE-ARM SHAPE BEVELLING/EDGING MACHINE

Suitable to grind and polish peripheral edge and to bevel various shape glass. Moving up/down of the abrasive is controlled by PLC for the FD21P model.

适用于各种平板玻璃的异形斜边、周边磨削及抛光，FD21P采用PLC控制磨头的升降。



| | MAX | MIN | | | | KW | | Kg lbs |
|---|---|---|---|---|---|---|---|---|
| FD21P | 2100 | 150 | 0°~45° | 40 | 3~40 | 2.8 | r=1.6 h=2 | 1000 |
| | 82'' | 6'' | 0°~45° | 1 5/8'' | 1/8''~1 5/8'' | 2.8 | r=63" h=79" | 2,200 |

FD21P

## FD21A

# 单臂异形斜边 / 周边两用机

## SINGLE-ARM SHAPE BEVELLING/EDGING MACHINE

Suitable to grind and polish peripheral edge and to bevel various shape glass. Moving up/down of the abrasive is controlled by PLC for the FD21P model.

适用于各种平板玻璃的异形斜边、周边磨削及抛光，FD21P采用PLC控制磨头的升降。

| | MAX | MIN | | | | KW | | Kg lbs |
|---|---|---|---|---|---|---|---|---|
| FD21A | 2100 | 150 | 0°~45° | 40 | 3~40 | 2.8 | r=1.6 h=2 | 1000 |
| | 82'' | 6'' | 0°~45° | 1 5/8'' | 1/8''~1 5/8'' | 2.8 | r=63" h=79" | 2,200 |

FD21A

## FD20

# 单臂异形斜边/周边两用机

## SINGLE-ARM SHAPE BEVELLING/EDGING MACHINE

Suitable to process peripheral edge of different shape glass.Pneumatically controlled wheels move up/down vertically.

适用于加工各种平板玻璃的异形周边，气动控制磨头的 升降，粗、精磨轮及抛光磨轮转换方便快捷。

| | MAX | MIN | | | | KW | | Kg lbs |
|---|---|---|---|---|---|---|---|---|
| FD20 | 2100 | 150 | 0°~45° | 40 | 3~40 | 2.8 | r=1.6 h=2 | 1000 |
| | 82'' | 6'' | 0°~45° | 1 5/8'' | 1/8''~1 5/8'' | 2.8 | r=63" h=79" | 2,200 |

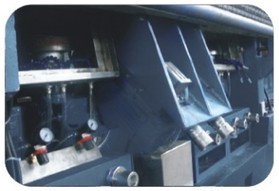
FD20

# FZM10P/FZM14
# 玻璃直线磨边机
## GLASS STRAIGHT-LINE EDGING MACHINE

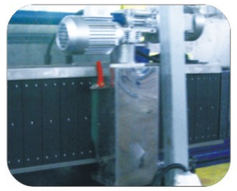
Joint-Link adopts chainless ball bearing structure, PLC control and touch screen displays glass thickness, working speed ,edge removal and finished meters. Pneumatic control on flat polishing and arris polishing spindles. Suitable for straight-line edging with arris on various flat glass.

链板采用无链条轴承滚动链板结构；主传动变频调速;电气采用PLC控制，并用触摸屏显示前梁位置、加工速度和累积加工量，前后倒角用气动抛光，磨削效果更佳。适用于加工各种平板玻璃的直线平底边及棱角。

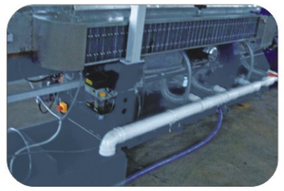
Cast aluminium pad tracks are made of linking elements fitted on special bearings, track motion is performed by gears without chains, very loog life and high precision.
使用特种轴承的铝合金坦克履带式链板无需链条连接并可灵活转动，滚动摩擦系数小，使用寿命较链条结构式链板提高数倍，且精度更高；



Machine's base and beam are made of cast iron, the front arrises spindles is part of the front beam thus keeping unvaried when glass thickness was changed (FZM10P, FJM10/45,FJM14/45)
FZM10系列产品的梁和底座采用铸造材料，经久耐用；前倒角安装在前梁上随玻璃厚度一同改变，且保持棱边宽度一致；

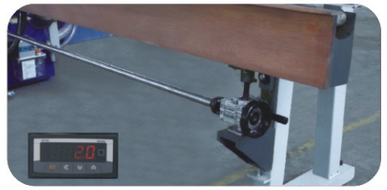


Scrubbers to keep the tracks clean to avoid incrustations and facilitage glass cleaning at the end of proces-sing (as an option)
链板清洗毛刷可保持链板清洁（选配）

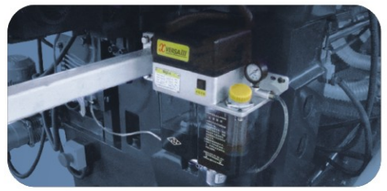


With PVC drainage pipe, which has a long life, smooth drainage, easy maintenance and better looking(as an option)
PVC排水系统经久耐用，排水更顺畅，维护更简易，且整机更加美观(需订制)；

Protection covers are built with switches in order always to guarantee the operators safety. For CE standard(as an option)
独特的端头护罩设计有保护行程开关，确保操作者的安全,符合CE标准（需订制）

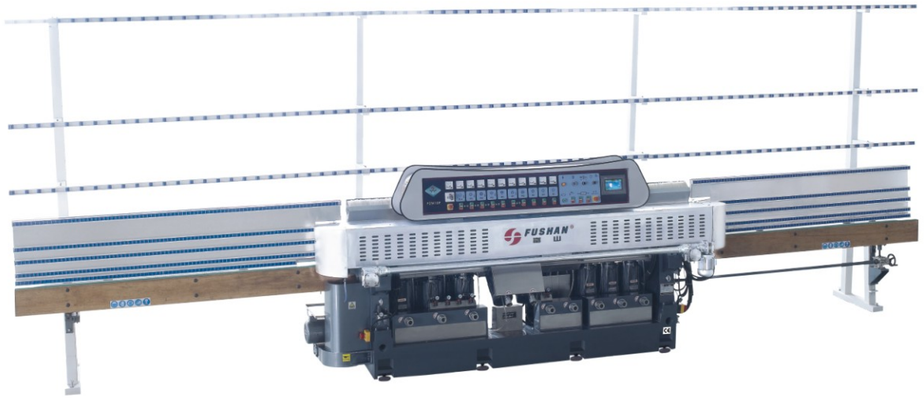


Entrance conveyor is equipped with a vertical adjustment and LED display for glass removal system, for this reason it is not necessary to adjust the position of wheels, acting instead on the handwheel placed beneath the conveyor.
输入导轨带升降和数显可随意调整玻璃磨削量，无需再调节每个磨轮的高低，非常方便；



In order to facilitate the maintenance of thetrack sliding guides, an automatic centralized lubricating device is fitted.
为使前、后链板运行顺畅，维护简便，设计有自动加油泵润滑系统

FZM10P

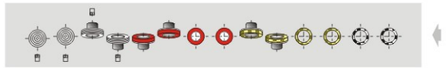


FZM14

FZM10P

FZM10D

FZM14



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FZM10P | 0.6~4.4 | 5 | 40x40 | 3~30 | 23 | 7900x1250x2800 | 4500 |
| | 16''~173'' | 3/16'' | 1 5/8''x1 5/8'' | 1/8''~1 3/16'' | 23 | 311''x49''x110'' | 9,900 |
| FZM14 | 0.6~4.4 | 5 | 40x40 | 3~45 | 31 | 8200x1200x2800 | 6000 |
| | 16''~173'' | 3/16'' | 1 5/8''x1 5/8'' | 1/8''~1 3/8'' | 31 | 322''x47''x110'' | 13,200 |

# FZM9325P/FZM9325D/FZM9325

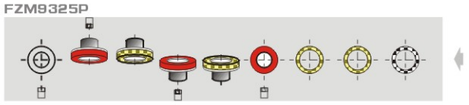
## 玻璃直线磨边机

## GLASS STRAIGHT-LINE BEVELLING MACHINE

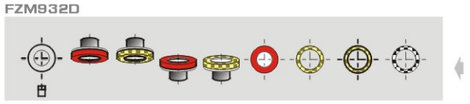
Chain transmitting,suitable for straight-line edging with arris for various flat glass.Front arris spindles moving with the fore beam synchronously when processing various thickness of glass. Model P has touch screen with PLC automatic control. Model D has LED displays.

采用链条传动，适用于加工各种平板玻璃的直线平底边及棱角， 且调整玻璃加工厚度时，前倒棱磨头能随前梁同步移动。P型为触摸屏显示前梁位置、加工速度、底边磨削量及累计加工长度等参数，且底边有气动抛光控制装置。D型为数显型。

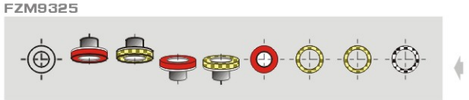
FZM9325P



FZM932D



FZM9325



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FZM9325 | 1.0~5.0 | 3 | 120x120 | 3~25 | 19 | 7100x1050x2500 | 3000 |
| | 40''~197'' | 3/8'' | 5''x5'' | 1/8''~1'' | 19 | 299''x39''x89'' | 6,600 |

FZM9325P

FZM9325D

FZM9325

# FZM8325D/FZM8325

## 玻璃直线磨边机

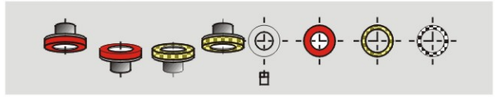
## GLASS STRAIGHT-LINE BEVELLING MACHINE

Chain transmitting, suitable for straight-line edging with arris for various flat glass. Model -D has LED displays the glass thickness, working speed, edge removal and finished meters, and the flat polishing spindle is pneumatic driven. Front arris spindles are carried with the front beam when glass thickness changes are made.

采用链条传动，适用于加工各种平板玻璃的直线平底边及棱角。且调整不同加工厚度时，前倒棱磨头能随前梁同步移动。D型有数码管显示前梁位置、加工速度、底边磨削量及累计加工长度等参数，且底边有气动抛光控制装置。

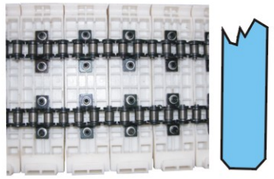
FZM8325

FZM8325D



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FZM8325 | 1.0~5.0 | 3 | 120x120 | 3~25 | 17 | 6800x1050x2500 | 2500 |
| | 40''~197'' | 3/8'' | 5''x5'' | 1/8''~1'' | 17 | 291''x39''x89'' | 5,500 |
| FZM8325D | 1.0~5.0 | 3 | 120x120 | 3~25 | 17 | 6800x1050x2500 | 2500 |
| | 40''~197'' | 3/8'' | 5''x5'' | 1/8''~1'' | 17 | 291''x39''x89'' | 5,500 |

FZM8325D



FZM8325

# FZM10325B/FZM9325B

## 玻璃直线磨边机

## GLASS STRAIGHT-LINE EDGING MACHINE

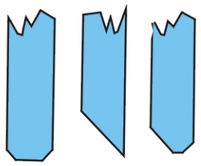
Chain transmitting,suitable to grind and polish flat edge, 45° edge cutting and arrises, Rough/fine edging/mitering and polishing finish in one single passage.

该机采用链条传动，适用于平板玻璃的平底边、45° 边及倒角磨削。粗磨、细磨、精磨、抛光一次完成。

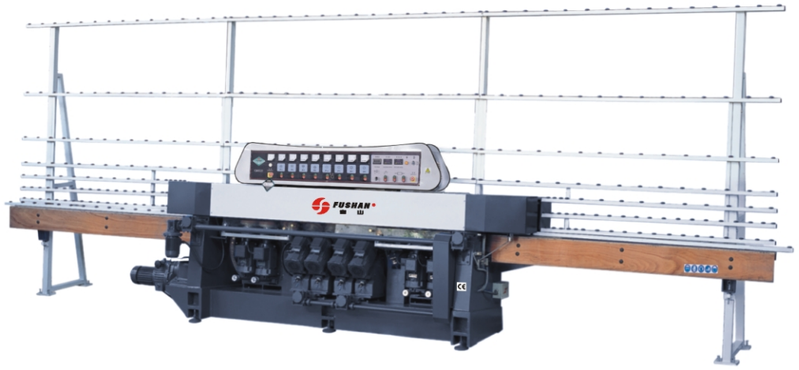
FZM10325B

FZM9325B

| | | | | | | |
|---|---|---|---|---|---|---|
| FZM9325B | 1.0~5.0 | 150x150 | 3~25 | 18 | 7100x1050x2250 | 3300 |
| | 40''~197'' | 6''x6'' | 1/8''~1'' | 18 | 299''x39''x89'' | 8,360 |
| FZM10325B | 1.0~5.0 | 150x150 | 3~25 | 20 | 7800x1000x2250 | 4000 |
| | 40''~197'' | 6''x6'' | 1/8''~1'' | 20 | 307''x39''x89'' | 8,800 |



FZM10325B



FZM9325B

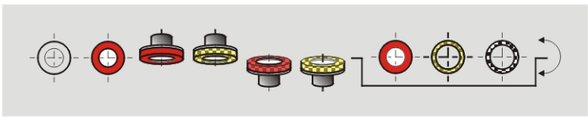
# FZM9325J

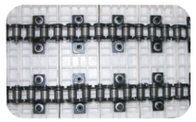
## 玻璃直线多级磨边机

## GLASS STRAIGHT-LINE ANGLE-CHANGING EDGING MACHINE

Chain transmitting, LED displays the glass thickness,0–45o degree is adjusted manually. Suitable for straight–line edging with arris for various flat glass.

采用链条、链板传动结构，手动控制0~45o摆角，LED数码管显示玻璃厚度，适用于加工各种平板玻璃的直线平底边、多级边及棱角。





链板结构
Chain structure

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FZM9325J | 1.0~5.0 | 0~45° | 150x150 | 3~25 | 19 | 7100x1050x2500 | 3600 |
| | 24''~190'' | 0~45° | 6''x6'' | 1/8''~1'' | 19 | 299''x39''x89'' | 8000 |

FZM9325J

# FJM10-45/FJM14-45/FJM17-45

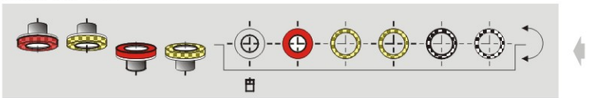
## 玻璃直线多级磨边机

## GLASS STRAIGHT-LINE ANGLE-CHANGING EDGING MACHINE

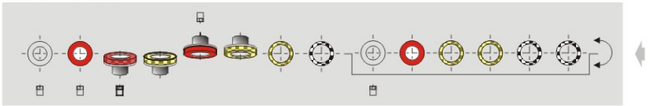
Joint-Link adopts chainless ball bearing structure, PLC control with touch screen human-machine interface,which also displays the glass thickness, cutting-angle and working speed. Suitable to make straight-line edging, various cutting angle with arris in a single passage.

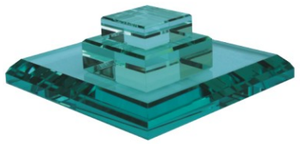
采用无链条轴承滚动链板结构，电气采用PLC自动控制，触摸屏作为人机界面，并能显示玻璃厚度、多级边角度和加工速度等各种参数。适用于加工各种平板玻璃直线平底边、多级边及棱角；且同时加工直线平底边、多级边及棱角。

FJM10-45

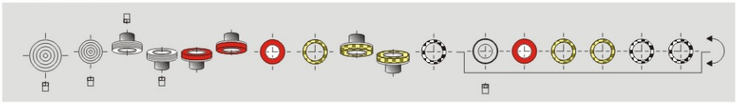


FJM14-45





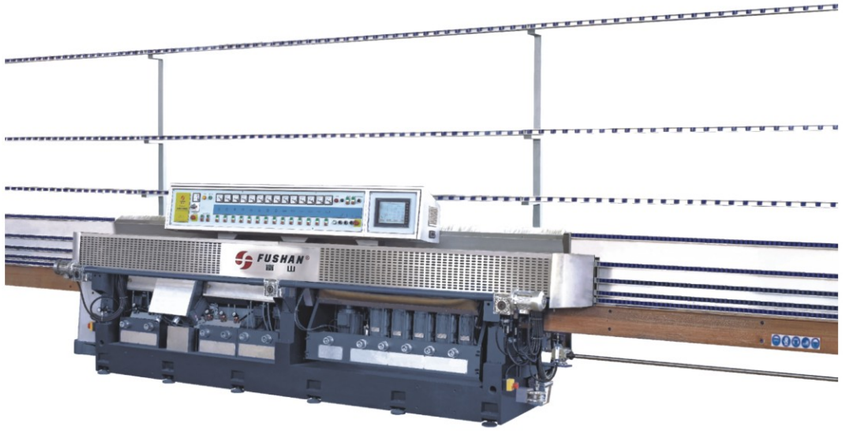
FJM17-45



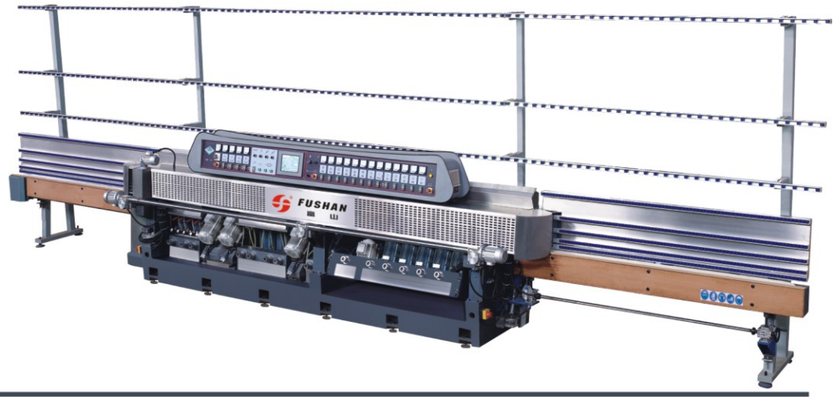
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FJM17-45 | 0.6~4.4 | 0~45° | 90x90 | 3~50 | 38 | 10100x1200x2800 | 9600 |
| | 16''~173'' | 0~45° | 3 1/2''x3 1/2'' | 1/8''~2'' | 38 | 398''x47''x110'' | 19,392 |
| FJM14-45 | 0.4~4.4 | 0~45° | 90x90 | 3~30 | 32 | 9600x1200x2800 | 8000 |
| | 16''~173'' | 0~45° | 3 1/2''x3 1/2'' | 1/8''~1 3/16'' | 32 | 378''x47''x110'' | 17,600 |
| FJM10-45 | 0.6~3.0 | 0~45° | 90x90 | 3~30 | 23 | 8200x1200x2800 | 5800 |
| | 24''~118'' | 0~45° | 3 1/2''x3 1/2'' | 1/8''~1 3/16'' | 23 | 322''x47''x110'' | 12,760 |

FJM10-45

FJM14-45



FJM17-45



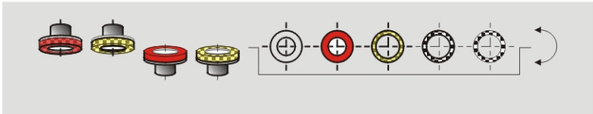
## FJM9P-60/FJM9D-60

# 玻璃直线多级磨边机

## GLASS STRAIGHT-LINE ANGLE-CHANGING EDGING MACHINE

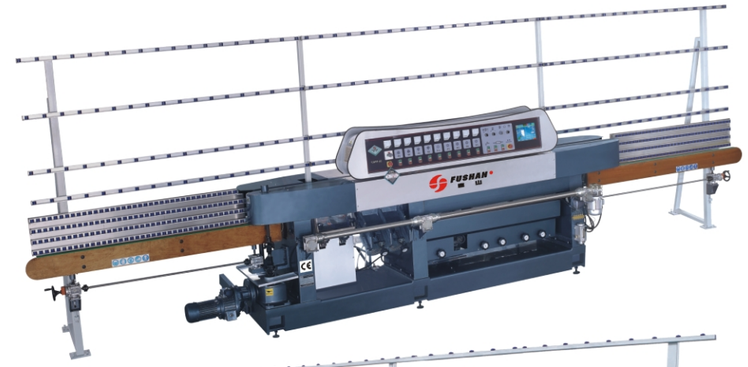
Chain transmission, LED displays the glass thickness and angle, and transmission speed. Suitable for straight-line edging and 0~60o various cutting angle with arris for flat glass.

采用链条、链板传动结构，LED数码管显示玻璃厚度、角度、磨削速度，可一次完成玻璃制品0~60度的直线多级边及两棱边的粗、精磨和抛光。



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FJM9-60 | 1.0~5.0 | 0~60° | 120x120 | 3~25 | 19 | 7500x1200x2500 | 4000 |
| | 40''x200'' | 0~60° | 4 4/5''x4 4/5'' | 1/8''~1'' | 19 | 300''x47''x100'' | 8,800 |

FJM9P-60



FJM9D-60

## YM7

# 玻璃直线圆边、平边、鸭嘴边磨边机

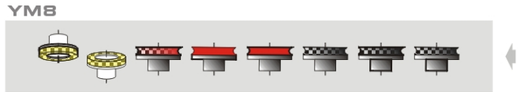
## STRAIGHT-LINE PENCIL/FLAT/OG EDGING MACHINE

Joint-Link adopts chainless ball bearing structure,LED displays the glass thickness,working speed and finished meters.It has pneumatic driving polishing system controlled by PLC.Suitable for straight-line pencil/OG edging on various flat glass.

采用无链条轴承滚动链板结构；电气采用PLC控制，并用数码管显示前梁位置、加工速度及累计加工长度等参数，且采用气动抛光。适用于加工各种平板玻璃的直线圆边、鸭嘴边。

YM7

YM8



| | | | | | | |
|---|---|---|---|---|---|---|
| YM7 | 0.6~4.4 | 65x65 | 3~25 | 14 | 7900x1200x2500 | 4000 |
| | 16''~173'' | 2 5/8''x2 5/8'' | 1/8''~1'' | 14 | 311''x47''x98'' | 8,800 |
| YM8 | 0.6~4.4 | 65x65 | 3~25 | 15.5 | 7900x1200x2500 | 9,240 |
| | 16''~173'' | 2 5/8''x2 5/8'' | 1/8''~1'' | 15.5 | 311''x47''x98'' | 5,500 |

YM7

# FYM7/FYM9
## 玻璃直线圆边机
## GLASS STRAIGHT-LINE PENCIL EDGING MACHINE

Chain transmitting, LED displaying the glass thickness, working speed and finished meters, and has pneumatic driving polishing system. Suitable for straight-line pencil and OG edging on various flat glass.

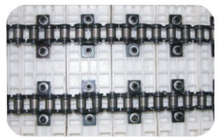
采用链条传动；并用数码管显示玻璃厚度、加工速度及累计加工长度等参数，并采用气动抛光。适用于加工各种平板玻璃的直线圆边、鸭嘴边。

FYM5

FYM7

FYM9

| | | | | | | |
|---|---|---|---|---|---|---|
| FYM7 | 1.0~5.0 | 150x150 | 3~20 | 14 | 6800x1050x2500 | 2500 |
| | 40''~173'' | 6''x6'' | 1/8''~3/4'' | 14 | 291''x39''x89'' | 5,500 |
| FYM9 | 1.0~5.0 | 150x150 | 3~20 | 17 | 7100x1050x2500 | 3500 |
| | 40''~173'' | 6''x6'' | 1/8''~3/4'' | 17 | 299''x39''x89'' | 7,700 |



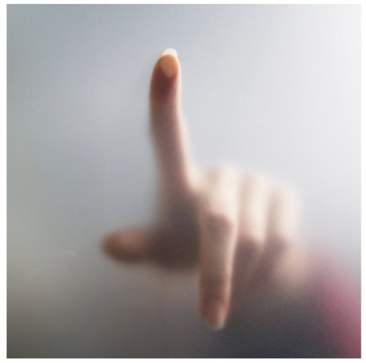
链板结构
Chain Pads structure

FYM7

# FS03C
## 玻璃喷砂机
## GLASS SAND BLASTING MACHINE

Adopted to blast varieties of figures and charts on surfaces of glass,metal and ceramic .
Working pressure:0.5~0.8Mpa
Dimension (with frame):5.3X1.2X2.8m
Capacity of air compressor:1.0~1.5$m^3$/min
Working capacity:15~20$m^2$/h

用于玻璃、金属、陶瓷等表面喷制各种图案文字。
工作气压：0.5~0.8Mpa
主机尺寸：5.3X1.2X2.8m
压缩机风量：1.0~1.5$m^3$/min
生产效率：15~20$m^2$/小时



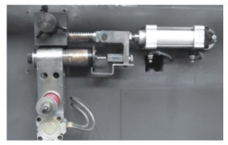
FS03C

# FZ125P/FZ125
## 玻璃套料钻孔机
## DRILLING MACHINE

FZ125P Horizontal automatic drilling machine is a new product of our company. The upper and lower drill bits with infrared ray positioning function is controlled by the PLC and encoder and can automatically fall and rise. Pneumatic working table with pre-positioning function is used to support big size glass sheet. Model FZ125 upper drill works manually.

FZ125P 全自动卧式钻孔机是我公司司最新研发的产品。通过PLC、编码器控制，实现上下钻自动进给,并具有红外线定位功能。配有带预定位装置的气动工作台，用于支撑大面积平板玻璃，特别适合批量平板玻璃的钻孔加工。FZ125型上钻为手动控制。

| | | | | | | |
|---|---|---|---|---|---|---|
| FZ125P | 3~50 | 4 | 130(220) | 2.45 | 2500x2700x1720 | 1000 |
| | 1/8"~2" | 5/32" | 5"(8 3/4") | 2.45 | 100"x108"x69" | 2,200 |
| FZ125 | 3~50 | 4 | 130(220) | 2.45 | 2500x2700x1720 | 1000 |
| | 1/8"~2" | 5/32" | 5"(8 3/4") | 2.45 | 100"x108"x69" | 2,200 |


缓冲钻孔
Hydraulic cushion drilling

激光定位
Laser positioning

FZ125P

FZ125

# FLZ25S/FLZ25
## 数控玻璃立式钻孔机
## GLASS STRAIGHT-LINE BEVELLING MACHINE

This machine is a special equipment for glass vertical drilling,PLC control, servo-motor driving ,suitable to drill installation holes in big size glass having correct hole position with high quality,It is really super equipment for the drilling of building glass and other big size glass. Model S can process two holes at the same time with high efficiency.

该设备是玻璃立式放置加工的专用设备，采用了PLC控制，玻璃的行进与钻头的进退由伺服电机驱动，孔位准确，能加工大平板玻璃的安装孔，钻孔质量高，S型可同时对两个孔位进行加工，效率高，是幕墙玻璃和其它大块玻璃钻孔的优选设备。

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FLZ25(S) | 2500 | 4~30 | 4 | 100 | 7 | 8000x1400x3000 | 3000 |
| | 100" | 5/32"~1 3/16" | 3/5" | 4" | 7 | 317"x56"x119" | 6,600 |

FLZ25S

FLZ25

## FLX1600
## 立式玻璃清洗机
### GLASS VERTICAL WASHING MACHINE

This is a vertical washing machine used for washing and drying glass from 3~12mm in thickness. Using 3 pairs of brushes to clean the glass . The air knives supply strong wind to drying the glass.

该设备适用于立式清洗3~12mm厚度的玻璃，三对毛刷清洗效果好，风刀设计合理，风量强劲，且占地面积小，操作方便。

| | | MIN | MAX | | | KW | | Kg lbs |
|---|---|---|---|---|---|---|---|---|
| FLX1600 | 2~6 m/min | 400x300 | 2400x1600 | 3~12 | 3 | 21.3 | 5800x1500x2500 | 1000 |
| FLX2500 | 2~10 m/min | 400x300 | 3000x2500 | 3~19 | 4 | 34 | 8500x2860x3380 | 4000 |

FLX1600

## FLX300
## 微型立式清洗机
### SMALL VERTICAL WASHING MACHINE

FLX300

## FX1500/FX1200
## 玻璃清洗机
### GLASS WASHING MACHINE

Suitable for cleaning and drying flat glass ,Chain transmission. Transmitting speed is adjustable .

玻璃清洗干燥机可对平板玻璃进行清洗和风干。玻璃清洗速度可调，链条传动结构，也可根据客户要求设计制造。

| | | MIN | MAX | | | KW | | Kg lbs |
|---|---|---|---|---|---|---|---|---|
| FX1500 | 0.7~5.5 | 250x250 | 1500x2000 | 3~12 | 4 | 21 | 7500x1570x2860 | 1400 |
| FX1200 | 0.7~3.5 | 120x120 | 1200x2000 | 3~10 | 4 | 19 | 3500x1570x1060 | 800 |

FX1500

FUSHAN 富山

一站式合作伙伴
建筑 / 太阳能 / 家电 / 家具 / 汽车玻璃的

FUSHAN 富山

## FX1500S
# 太阳能玻璃清洗干燥机
## GLASS WASHING AND DRYING MACHINE FOR SOLAR GLASS

Suitable for cleaning and drying flat glass ,Chain transmission. Transmitting speed is adjustable .

玻璃清洗干燥机可对平板玻璃进行清洗和风干。玻璃清洗速度可调，链条传动结构，也可根据客户要求设计制造。

FX1500S

| | | MIN | MAX | | | KW | | Kg lbs |
|---|---|---|---|---|---|---|---|---|
| FX1500S | 1.2~7.5 | 250x250 | 1500x2000 | 3~12 | 6 | 38 | 9500x1570x2860 | 2500 |

## FX2600
# 玻璃清洗机
## GLASS WASHING MACHINE

Suitable for cleaning and drying flat glass, installed with LED displaying the glass thickness,transmitting speed, Worm transmission structure. The upper brushes can be lift up to 500mm.

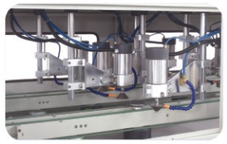
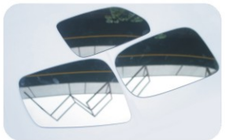
玻璃清洗干燥机可对平板玻璃进行清洗和风干，玻璃厚度和清洗速度可调，且数字显示。蜗轮蜗杆传动结构，上清洗部分可升起500mm。

FX2600

| | | MIN | MAX | | | KW | | Kg lbs |
|---|---|---|---|---|---|---|---|---|
| FX3000 | 1.1~5.5 | 250x320 | 3000 | 3~30 | 4 | 33 | 8100x3700x3000 | 5500 |
| | 43''~216'' | 10''x13'' | 118'' | 1/8''~1 3/16'' | 4 | 33 | 319''x146''x118'' | 11,000 |
| FX2600 | 1.1~5.5 | 250x320 | 2600 | 3~30 | 4 | 33 | 8100x3200x3000 | 4500 |
| | 43''~216'' | 10''x13'' | 102'' | 1/8''~1 3/16'' | 4 | 33 | 319''x126''x118'' | 9,900 |
| FX2000 | 1.1~5.5 | 250x320 | 2000 | 3~30 | 4 | 29 | 7800x2700x3000 | 4000 |
| | 43''~216'' | 10''x13'' | 80'' | 1/8''~1 3/16'' | 4 | 29 | 307''x108''x118'' | 8,800 |

## FWZ8
# 全自动外视镜周边机
## AUTOMATIC OUT-REARVIEW MIRROR PERIPHERAL EDGING MACHINE

| | | | | | |
|---|---|---|---|---|---|
| FWZ8 | 18~230 | 1~8 | 4 | 2000x1000x1900 | 1000 |
| | 18~230 | 1/25''~8/25'' | 4 | 79''x39''x75'' | 2,200 |

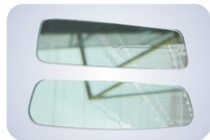
FWZ8

## FY4
# 玻璃周边磨边机
## GLASS EDGING/MODULATE GRINDING MACHINE

This equipment able to grind four pieces of shape edge glass at one time by PLC control.

该设备采用PLC自动化控制，使用真空吸附，能同时磨削四块异形小块玻璃的周边。且转台具有定位停和旋转规定圈数的功能，是汽车后视镜生产线的专用设备，也可用于加工各种小尺寸异形玻璃。

| | | | | | |
|---|---|---|---|---|---|
| FY4 | 100~112 | 3~12 | 14.25 | 3600x1050x1900 | 3500 |
| | 100~112 | 1/8''~1/2'' | 14.25 | 142''x41''x75'' | 7,700 |



FY4

## FXM10+FPG9+FLX300
# 汽车后视镜磨边线
## PRISMATIC MIRROR PRODUCTION LINE

The line is composed of one bevelling machine ,one bevel polishing machine and one glass washing machine specialize for prismatic mirror production.

该生产线由一台斜边磨边机和一台斜边抛光机及一台玻璃清洗机组成。磨边机传动链板采用无链条轴承滚动结构，PLC 自动控制，液晶屏幕显示各种参数，能一次完成小角度、大斜面玻璃直线斜边的粗磨、精磨、抛光和清洗，是汽车后视镜生产的专用设备。

FXM10

FPG9

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FPG9+FXM10 | 0.4~4.4 | 75 | 1.8°~25° | 3~25 | 45 | 15350x1200x1800 | 9800 |
| | 15''~173'' | 3'' | 1.8°~25° | 1/8''~1'' | 45 | 49''x4''x6'' | 21,600 |

FXM10-FPG9-FX300
Prismatic Mirror Production Line

FLX300
Washing Machine

FPG9
Bevel Polishing Machine

FXM10
Bevel Grinding Machine

# FDY2600
# 镀银镜生产线
## MIRROR SILVERING LINE

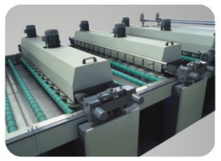
Our Mirror Conveyors adopts world leading technology and most up-to-date chemical methods to coat the glass with silver,copper and two coats of protective paint.Provision is also taken into account for copper free mirrors.

After loading,the glass is conveyed through following sections:Washing-Polishing-Cleaning Section,Tin Application,silvering Section,Coppering Section,Drying and Pre-heating Section,First Curtain Coater,First Curing Oven,Second Curtain Coater,Second Curing Oven ,Cooling Section ,Chemical Cleaning Section ,Washing and Drying Section .

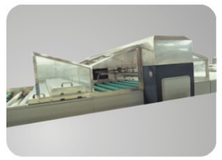
The whole process is fully controlled by CNC and produced mirrors satisfying world standards including EN1036.

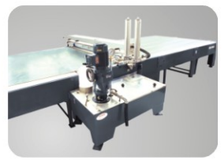
该镀银镜生产线采用国际领先技术，利用化学方法在玻璃表面镀上银膜、铜膜，然后淋以两层均匀的保护漆而产生高档银镜，该生产线也可生产无铜镜片。

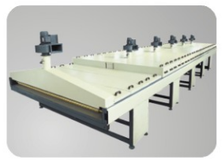
玻璃上线后通过以下工段：表面清洗段、抛光液清洗段、双面清洗段。锡溶液敏化段、镀银段、镀铜段、烘干预热段、第一段烤漆炉、第二段烤漆炉、冷却段、化学酸洗段、清洗干燥段。整个生产线过程采用电脑自动控制，确保生产出高品质，高档次和符合欧洲EN1036标准的镀银镜。


Polishing Section
表面抛光段

Chemical Cleaning Section
化学处理段


Silver/Copper Application
镀银/镀铜


Curtain Coater-Paint Application 淋漆


Paint Curing Oven
烤漆炉

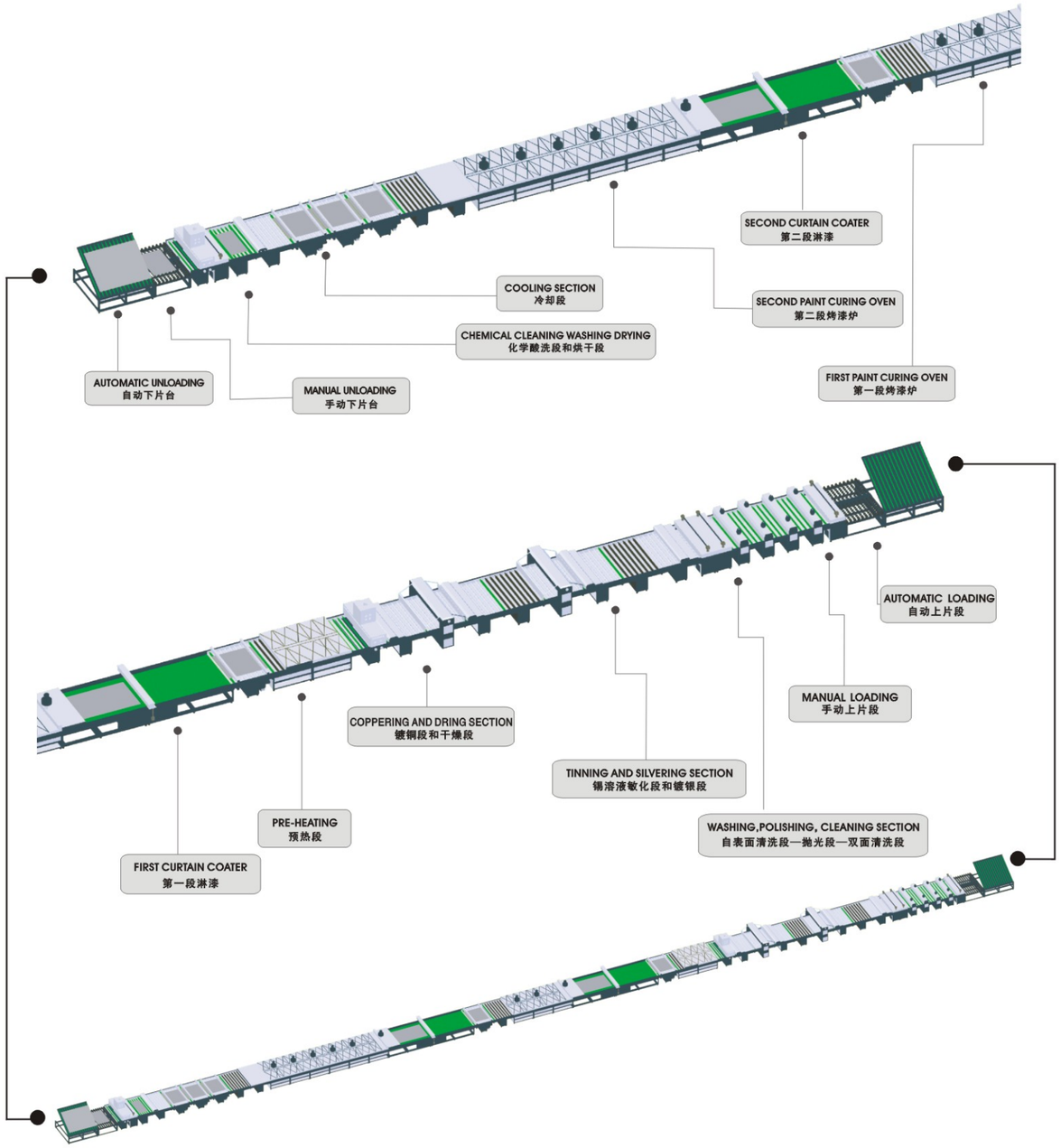
Specification 技术参数

| Speed 速度 | Length 长度 | 1600 | 2200 | 2600 | 3300 |
|---|---|---|---|---|---|
| 2m/min | 70m | 1,536 | 2,112 | 2,496 | 3,168 |
| 3m/min | 85m | 2,304 | 3,168 | 3,744 | 4,752 |
| 4m/min | 100m | 3,072 | 4,224 | 4,992 | 6,336 |

1、Lengh of the line not including automatic loading and unloading section
生产线长度不包括自动上下片段。

2、Production output (square meters per 8 hours-shift)
生产量为每班8小时平方米数。

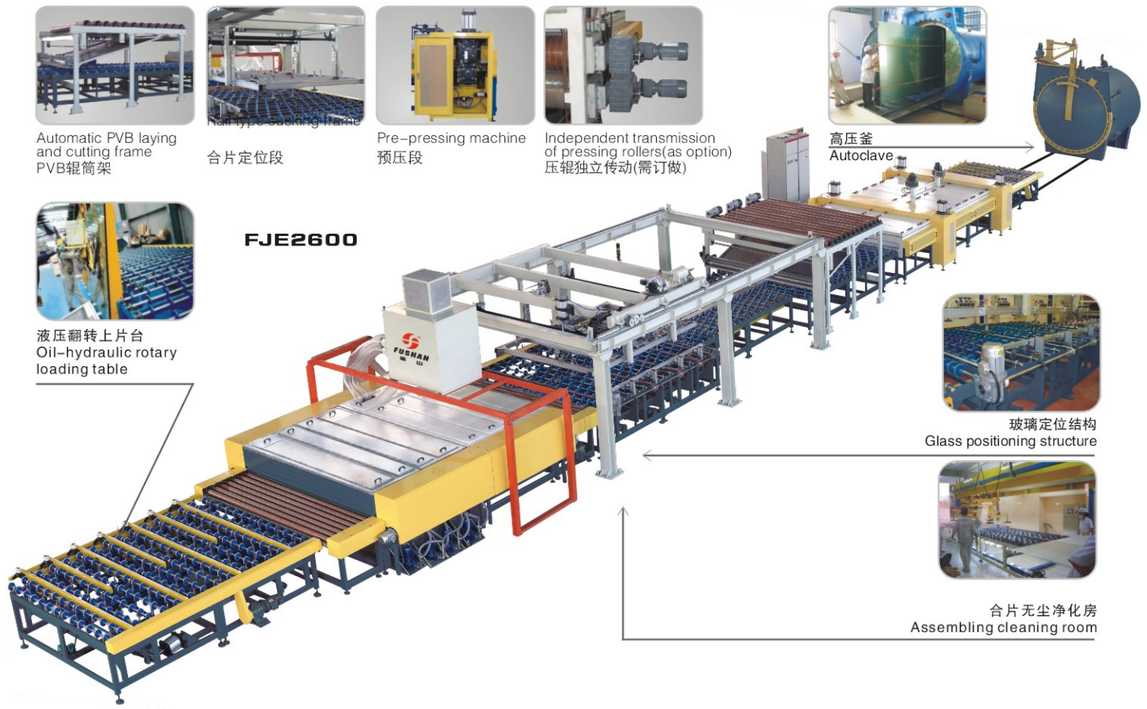
- Automatic or manual loading/unloading sections can be suppllied at an additional cost to meet the customers' special requirements.
- 上下片台可根据客户的要求制作手动或自动，费用另计。

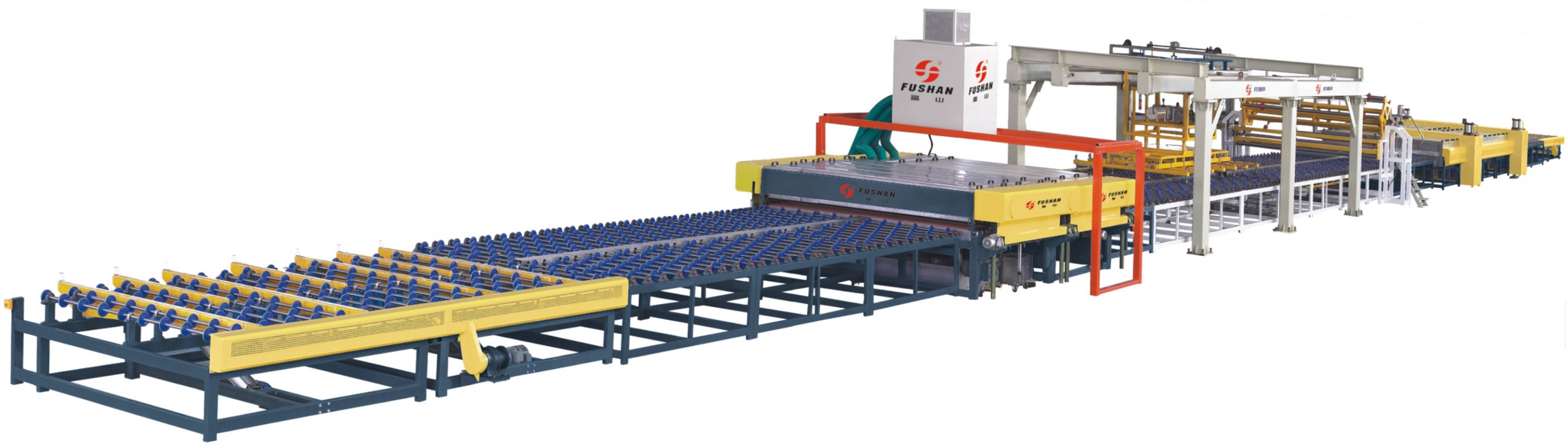


# FJE2600
# 夹层玻璃生产线
## FLAT LAMINATING LINE

| Specification 技术参数 | | | FJ2200<br>FJE2200 | FJ2600<br>FJE2600 | FJ2800<br>FJE2800 | FJ3300<br>FJE3300 |
|---|---|---|---|---|---|---|
| Max.working width | 最大加工宽度 | mm | 2200 | 2600 | 2800 | 3300 |
| Max.glass length | 最大玻璃长度 | mm | 4000($A_1$) | 6000($A_2$) | 6000($A_2$) | 6000($A_2$) |
| Min glass size | 最小玻璃尺寸 | mm | 400X600 | 500X800 | 500X1000 | 500X1000 |
| Glass thickness | 玻璃厚度 | mm | 3~19 | 3~19 | 3~19 | 3~19 |
| Max thickness of laminated glass | 夹层玻璃最大厚度 | mm | 60 | 60 | 60 | 60 |
| PVB rolls unit | PVB辊筒数 | Rolls | 3(B) | 3(B) | 3(B) | 3(B) |
| PVB laying and cutting system | PVB铺放及切割系统 | | MANUAL OR AUTOMATIC 手动或自动 | | | |
| Production capacity(single layer) | 产量(单夹层) | $m^2$/8h | 800 | 1000 | 1300 | 1700 |
| Working height | 工作高度 | mm | 890±30 | 890±30 | 890±30 | 890±30 |
| Power (Without Autoclave) | 总功率(不含高压釜) | kw | 160 | 190 | 230 | 280 |

(A1)Optional 3200-4500mm (A2)Optional 4000-6000mm (B2)Optional 8-16
(A1)可选范围 3200-4500mm (A2)可选范围 4000-6000mm (B2)可选择项 8-16
FJ系列为国内最新设计 FJE系列为欧版式设计
Serious FJ is the latest design in China Serious FJE is European design



# SFT2442

# 双室强制对流钢化炉

## DOUBLE-CHAMBER FORCED CONVECTION TEMPERING LINE

The new forced convection heating tempering furnace makes a great improvement in efficiency, energy saving and glass quality. It syncretize two advanced convection technology perfectly which includes a lot of international advanced technology. It has unique excellence for less power consumption, tempered flatness and symmetrical stress.

Characteristics
1. Double heating sections can effectively reduce time for heating and running the big blower, so as to achieve the goal of saving energy and the capacity is almost two times of ordinary type.
2. The use of lower temperature entry of the furnace cut down the bad reaction after the glasses enter into the furnace,thus to improve the quality of the surface.
3. The uniformity of different areas of the glass is in favor of double chambers. Tthereby, the tempering quality can be inproved and the breakage can be reduced.

玻璃双室强制对流钢化炉，将对流和辐射两种先进技术完美融合。在节约能源及钢化玻璃平整度方面具有独特优点，极大的提高了钢化玻璃的生产效率和质量。

性能特征：
1、采用双加热室能有效缩短加热周期，提高风机利用率，达到高效节能目标，提高近一倍产能；
2、采用较低工作温度可减少进炉后玻璃的不良反应，提高玻璃表面质量；
3、双室加热能保证玻璃不同区域的温度均匀性，从而提高钢化质量，减少破损。

高压风栅段和冷却风栅段
Booster & Quench Sections

钢琴式操作台
Piano Opration Panel

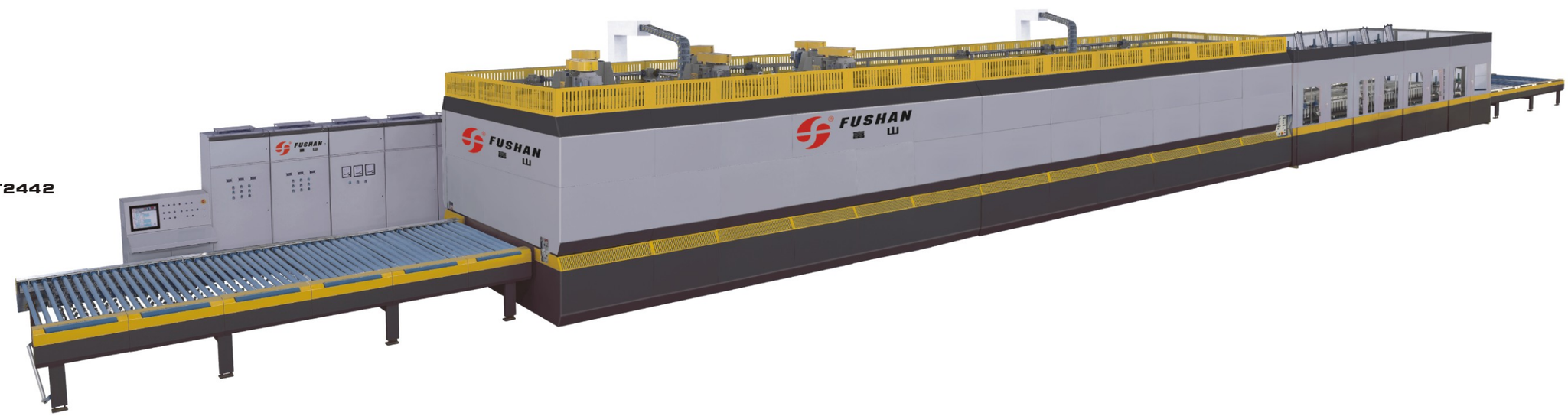
辊道同步带驱动 (需订做)
Synchronous belt drive (as option)

SFT 系列双室强制对流玻璃钢化机组主要参数表
Parameters of SFT Series Double-chambers Convection Tempering Line

| 型 号 Type | 设备尺寸(长×宽×高) Glass Dimensions L×W×H | | | 最大玻璃尺寸 长X宽 Max.Glass Size | | 最小玻璃尺寸 长X宽 Min.Glass Size | | 厚度范围 Thickness Range | 生产能力 $M^2/h$ Capacity | 装机功率 Installed Power Capacity(kw) |
|---|---|---|---|---|---|---|---|---|---|---|
| SFT1230 | 18.57 | 2.44 | 2.85 | 1250 | 3000 | 150 | 250 | 4-19 | 42.00 | 450 |
| SFT1525 | 16.00 | 2.44 | 2.85 | 1500 | 2500 | 150 | 250 | 4-19 | 54.00 | 450 |
| SFT1536 | 18.57 | 2.44 | 2.85 | 1500 | 3600 | 150 | 250 | 4-19 | 73.00 | 600 |
| SFT1825 | 13.70 | 2.64 | 2.85 | 1800 | 2500 | 150 | 250 | 4-19 | 53.00 | 550 |
| SFT1830 | 16.10 | 2.64 | 2.85 | 1800 | 3000 | 150 | 250 | 4-19 | 63.00 | 600 |
| SFT1836 | 18.50 | 2.64 | 2.85 | 1800 | 3600 | 150 | 250 | 4-19 | 76.00 | 700 |
| SFT2030 | 14.25 | 2.94 | 2.85 | 2000 | 3000 | 150 | 250 | 4-19 | 71.00 | 710 |
| SFT2036 | 16.10 | 2.94 | 2.85 | 2000 | 3600 | 150 | 250 | 4-19 | 85.00 | 800 |
| SFT2436 | 14.25 | 3.34 | 2.85 | 2400 | 3600 | 150 | 250 | 4-19 | 101.00 | 800 |
| SFT2442 | 19.29 | 3.34 | 2.85 | 2400 | 4200 | 150 | 250 | 4-19 | 118.00 | 900 |
| SFT2448 | 19.29 | 3.34 | 2.85 | 2400 | 4800 | 150 | 250 | 4-19 | 135.00 | 1000 |
| SFT2460 | 24.09 | 3.34 | 2.85 | 2400 | 6000 | 150 | 250 | 4-19 | 168.00 | 1440 |
| SFT3060 | 30.20 | 3.94 | 2.85 | 3000 | 6000 | 150 | 250 | 4-19 | 212.00 | 1440 |

注：以上仅为我公司生产的常规型号，如有特殊需求，可按客户需求特制。
Note: The above sizes are the normal ones, we can design tempering line according to your special requirements.

SFT2442



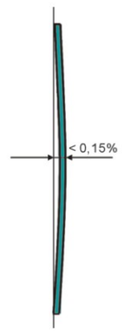
# CFT2460/CFBT243612

## 强制对流钢化炉

## FORCED CONVECTION TEMPERING FURNACE

德国技术 German Technology
富山制造 FuShan Manufacturing
节能环保 Energy Saving and Environment Protection
操作简单 Least Operation
做到最薄 Thin Thickness
精度最高 High Accuracy

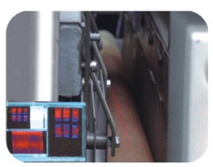
| 玻璃品种 Glass Type | 浮法白玻 Clear Float Glass | | | | | | | | Low-E E=0.07 | Low-E E=0.03 |
|---|---|---|---|---|---|---|---|---|---|---|
| 玻璃厚度（mm）Glass thickness | 4 | 5 | 6 | 8 | 10 | 12 | 15 | 19 | 6 | 6 |
| 单位厚度加热时间（s/mm）Unit Heating Time | 28 | 30 | 30 | 32 | 36 | 40 | 45 | 50 | 40 | 50 |
| 生产能力（1/h）Capacity | 22 | 20 | 17 | 12.7 | 9 | 7 | 5 | 3.5 | 12 | 10 |
| 能耗（kw・h/m2）Energy Consumption | 3.5 | 3.5 | 3.6 | 4.8 | 5.7 | 7.0 | 8.0 | 10 | 5.2 | 5.3 |
| 弓形弯曲≤(‰) Overall Bow | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 0.8 | 1.2 | 1.2 |
| 波形弯曲≤(‰) Local Bow | 0.40 | 0.35 | 0.35 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.35 | 0.40 |
| 风斑 Leopard sopts | 玻璃叠片厚度≤20mm，在与玻璃表面夹角≥15o方向肉眼观察不可见。 Can not be observed with naked eyes under the conditions of: A. The total stacked glass thickness is no more than 20mm. B. The glancing angle is no less than 15o. | | | | | | | | | |



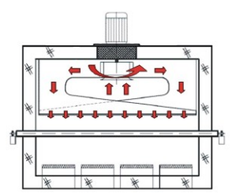

- 质量优良
  - 整体平整度<1,5mm/1000mm
  - 局部平整度<0,1mm/300mm
  - 颗粒度符合 DIN EN 12150标准 (>=40pieces in 50×50mm)
  - 表面无斑痕
- 易于维护保养
- 强大的技术支持
- 生产过程数据及图形监控
- 操作简单、培训全面

- High Quality
  - -Overall flatness deviation<1,5mm/1000mm
  - -Local flatness deviation<0,1mm/300mm
  - -Breaking pattern according to DIN EN 12150 (>=40pieces in 50×50mm)
  - -No visible scratches or marks on surface
- Easy maintenance
- Competent support and help
- Overview of production figures
- Easy operation and solid training

辊道同步带驱动 (需订做)
Synchronous belt drive (as option)



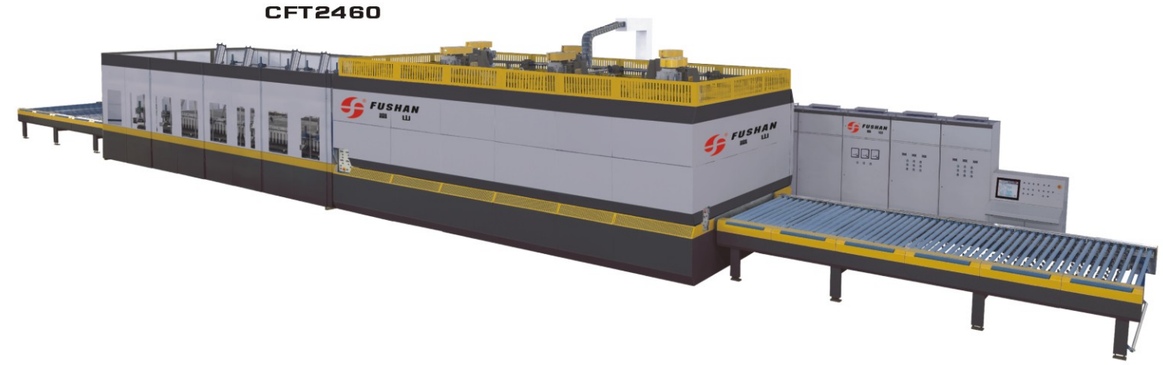
玻璃温度激光扫描(需订制)
Temperature Scanner(as option)



对流系统
Convection system

强制对流技术德国发明专利证书
The Forced Convection Tempering Furnace Patent
专利证号：102008025798

CFT2460



CFBT243612

### CFT系列强制对流玻璃钢化机组主要参数表
Parameters of CFT Series Forced Convection Tempering Line

| 型号 Type | 玻璃尺寸 Glass Dimensions | | | 最小尺寸 Min. Glass | 产量（70%实用面积covering.95%成功率usage） Capacity（70% covering.95% usage）in m²/hr | | | | 生产线尺寸 Plant Dimensions L×W×H | | | 装机功率 Install Power | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 宽 (width)/m | 长 (length)/m | 厚度 Thickness(mm) | mm×mm | 3mm | 4mm | 5mm | 6mm | m | m | m | 3mm/kw | 4mm/kw | 5mm以上/kw |
| CFT1836 | 1.8 | 3.6 | 3--19 | 150X360 | 155 | 111 | 95 | 79 | 19.7 | 3.4 | 3.5 | 1331 | 1016 | 831 |
| CFT2436 | 2.4 | 3.6 | 4--19 | 150X360 | 207 | 148 | 127 | 106 | 19.7 | 4.0 | 3.5 | | 1335 | 1085 |
| CFT2442 | 2.4 | 4.2 | 4--19 | 150X360 | 241 | 172 | 148 | 123 | 21.5 | 4.0 | 3.5 | | 1365 | 1115 |
| CFT2448 | 2.4 | 4.8 | 4--19 | 150X360 | 276 | 197 | 169 | 141 | 24.5 | 4.0 | 3.5 | | 1612 | 1362 |
| CFT2460 | 2.4 | 6.0 | 4--19 | 150X360 | 345 | 264 | 211 | 176 | 29.3 | 4.0 | 3.5 | | 1875 | 1625 |
| CFT2472 | 2.4 | 7.2 | 4--19 | 150X360 | 414 | 295 | 253 | 211 | 34.1 | 4.0 | 3.5 | | 2192 | 1942 |
| CFT2854 | 2.8 | 5.4 | 5--19 | 200X500 | 362 | 259 | 222 | 185 | 26.3 | 4.4 | 3.5 | | | 1658 |
| CFT2872 | 2.8 | 7.2 | 5--19 | 200X500 | 483 | 345 | 295 | 246 | 34.1 | 4.4 | 3.5 | | | 2179 |
| CFT3060 | 3.0 | 6.0 | 5--19 | 200X500 | 431 | 308 | 264 | 220 | 29.3 | 4.6 | 3.5 | | | 2020 |
| CFT3072 | 3.0 | 7.2 | 5--19 | 200X500 | 517 | 369 | 317 | 264 | 34.1 | 4.6 | 3.5 | | | 2329 |
| CFT3360 | 3.3 | 6.0 | 5--19 | 200X400 | 474 | 339 | 290 | 242 | 29.3 | 4.9 | 3.5 | | | 2184 |

注：以上仅为我公司生产的常规型号，如有特殊需求，可按客户需求特制。
Note: The above sizes are the normal ones, we can design tempering line according to your special requirements.

# FBTC243615

## 水平辊道可逆式平弯钢化生产线

## HORIZONTAL ROLLER HEARTH REVERSING FLAT&BENT TEMPERING LINE

1、Adopt super quality thermal insulation material inside of the furnace. It is not easy ageing, deformed, residue, Insure the optical result on the glass surface and continue the lifetime of the furnace.
2、To use long life time and reliable heating elements, without the welding spot in the middle and hard to burn-out.
3、Adopt synchronuous processing forming way technology for glass forming more suitable for the bent tempering section.
4、Adopt special design and process in roller support so that it is easy to dismantle, assamble and the whole line is even and no drift during the tempering process.
5、Has excellent human-machine interface.
6、Reasonable fan collocate and high quality thermal insulation material for less power consumption.

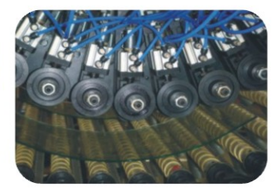
1、炉体内腔采用进口优质保温材料，不易老化、变形、掉渣，既保证了钢化玻璃表面的光学效果，炉膛使用寿命也更长。
2、使用可靠性高、寿命长的炉丝，中间无焊点，炉丝不易烧断。
3、弯钢化段采用最适合玻璃成型的“过程同步成型”技术。
4、辊道支撑均采用特殊设计和工艺手段，所有辊道均可方便拆、装，整条生产线辊道面平整，且保证玻璃在整个钢化过程中不跑偏。
5、操作界面充分考虑对生产过程监视的直观和便捷，具有良好的人机界面。
6、合理的风机配置及高质量的炉体保温材料使设备耗电更低。

FBTC 系列水平辊道式平/弯钢化机组技术参数表
Parameters of FBTC Series Horizontal Roller Hearth Flat/Bent Glass Tempering Furnaces

| 型号 Type | 平钢化最大规格 Flat Max.Size | | 弯钢化最大规格 Bent Max.Size | | 平钢化产量 Flat Productivity | 弯钢化产量 (load/h)Bent Productivity | 平钢化最小规格 Flat Min.Size | | 弯钢化最小规格 Bent Min.Size | | 弯钢化最小半每径 Min.Radius | 平玻璃厚度范围 Thickness Range | 弯玻璃厚度范围 Thickness Range | 装机功率 Installed power Capacity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | $m^2/h$ | $m^2/h$ | | | | | mm | | | Kw |
| FBTC120808 | 1250 | 850 | 1250 | 850 | 25 | 15 | 150 | 300 | 200 | 350 | 450 | 4-19 | 3.5-12 | 410 |
| FBTC122508 | 1250 | 2500 | 1250 | 850 | 38 | 25 | 150 | 300 | 200 | 350 | 450 | 4-19 | 3.5-12 | 460 |
| FBTC123608 | 1250 | 3660 | 1250 | 850 | 55 | 25 | 150 | 300 | 200 | 350 | 450 | 4-19 | 3.5-12 | 600 |
| FBTC150808 | 1500 | 850 | 1500 | 850 | 30 | 15 | 150 | 300 | 200 | 350 | 450 | 4-19 | 3.5-12 | 350 |
| FBTC152508 | 1500 | 2500 | 1500 | 850 | 45 | 25 | 150 | 300 | 200 | 350 | 450 | 4-19 | 3.5-12 | 460 |
| FBTC153608 | 1500 | 3660 | 1500 | 850 | 66 | 40 | 150 | 300 | 200 | 350 | 450 | 4-19 | 3.5-12 | 650 |
| FBTC181010 | 1800 | 1000 | 1700 | 1000 | 38 | 15 | 150 | 300 | 200 | 350 | 500 | 4-19 | 3.5-12 | 410 |
| FBTC182510 | 1800 | 2500 | 1700 | 1000 | 52 | 25 | 150 | 300 | 200 | 350 | 500 | 4-19 | 3.5-12 | 535 |
| FBTC183610 | 1800 | 3660 | 1700 | 1000 | 75 | 35 | 150 | 300 | 200 | 350 | 500 | 4-19 | 3.5-12 | 740 |
| FBTC202510 | 2000 | 2500 | 2000 | 1000 | 60 | 25 | 150 | 300 | 200 | 350 | 500 | 4-19 | 3.5-12 | 595 |
| FBTC203610 | 2000 | 3660 | 2000 | 1000 | 89 | 25 | 150 | 300 | 200 | 350 | 500 | 4-19 | 3.5-12 | 830 |
| FBTC241010 | 2400 | 1000 | 2400 | 1000 | 55 | 15 | 150 | 300 | 200 | 350 | 500 | 4-19 | 3.5-12 | 700 |
| FBTC242512 | 2400 | 2500 | 2400 | 1200 | 74 | 15 | 150 | 300 | 200 | 350 | 650 | 4-19 | 3.5-12 | 750 |
| FBTC243615 | 2400 | 3660 | 2400 | 1500 | 110 | 35 | 150 | 300 | 200 | 350 | 750 | 4(h)-19 | 3.5-12 | 900 |
| FBTC245010 | 2400 | 5000 | 2400 | 1000 | 150 | 40 | 150 | 300 | 200 | 350 | 500 | 4(h)-19 | 3.5-12 | 1200 |
| FBTC242525 | 2400 | 2500 | 2400 | 2500 | 74 | 15 | 150 | 300 | 200 | 500 | 1000 | 4(h)-19 | 5-19 | 750 |
| FBTC243620 | 2400 | 3900 | 2400 | 2000 | 110 | 15 | 150 | 300 | 200 | 500 | 1000 | 4(h)-19 | 5-19 | 950 |
| FBTC243625 | 2400 | 5000 | 2400 | 2500 | 110 | 15 | 150 | 300 | 200 | 500 | 1000 | 4(h)-19 | 5-19 | 1200 |

注：以上仅为我公司生产的常规型号，如有特殊需求，可按客户需求特制。
Note: The above sizes are the normal ones, we can design tempering line according to your special requirements.

FBTC243615



# FT2442

## 水平钢化炉

## FLAT TEMPERING LINE

FT2442 水平钢化炉 技术参数表
Flat Tempering Line

| 型号 Type | 设备尺寸(长×宽×高) Dimensions L×W×H | | | 最大玻璃尺寸 长×宽 Max.Glass Size | | 最小玻璃尺寸 长×宽 Min.Glass Size | | 厚度范围 Thickness Range | 生产能力 $M^2/h$ Capacity | 装机功率 Installed Power Capacity(kw) |
|---|---|---|---|---|---|---|---|---|---|---|
| FT1230 | 18.57 | 2.44 | 2.85 | 1250 | 3000 | 150 | 250 | 4-19 | 42.00 | 450 |
| FT1525 | 16.00 | 2.44 | 2.85 | 1500 | 2500 | 150 | 250 | 4-19 | 54.00 | 450 |
| FT1536 | 18.57 | 2.44 | 2.85 | 1500 | 3600 | 150 | 250 | 4-19 | 73.00 | 600 |
| FT1825 | 13.70 | 2.64 | 2.85 | 1800 | 2500 | 150 | 250 | 4-19 | 53.00 | 500 |
| FT1830 | 16.10 | 2.64 | 2.85 | 1800 | 3000 | 150 | 250 | 4-19 | 63.00 | 600 |
| FT1836 | 18.50 | 2.64 | 2.85 | 1800 | 3600 | 150 | 250 | 4-19 | 76.00 | 700 |
| FT2030 | 14.25 | 2.94 | 2.85 | 2000 | 3000 | 150 | 250 | 4-19 | 71.00 | 710 |
| FT2036 | 16.10 | 2.94 | 2.85 | 2000 | 3600 | 150 | 250 | 4-19 | 85.00 | 800 |
| FT2436 | 14.25 | 3.34 | 2.85 | 2400 | 3600 | 150 | 250 | 4-19 | 101.00 | 800 |
| FT2442 | 19.29 | 3.34 | 2.85 | 2400 | 4200 | 150 | 250 | 4-19 | 118.00 | 900 |
| FT2448 | 19.29 | 3.34 | 2.85 | 2400 | 4800 | 150 | 250 | 4-19 | 135.00 | 1000 |
| FT2460 | 24.09 | 3.34 | 2.85 | 2400 | 6000 | 150 | 250 | 4-19 | 168.00 | 1440 |
| FT3060 | 30.20 | 39.4 | 2.85 | 3000 | 6000 | 150 | 250 | 4-19 | 212.00 | 1440 |

注：以上仅为我公司生产的常规型号，如有特殊需求，可按客户需求特制。
Note: The above sizes are the normal ones, we can design tempering line according to your special requirements.

FT2442

# FBTL246639

## 水平辊道可逆式平弯钢化生产线

## HORIZONTAL ROLLER HEARTH REVERSING FLAT&BENT TEMPERING LINE

1、Adopt super quality thermal insulation material inside of the furnace. It is not easy ageing, deformed, residue, Insure the optical result on the glass surface and continue the lifetime of the furnace.
2、To use long life time and reliable heating elements, without the welding spot in the middle and hard to burn-out.
3、Adopt synchronuous processing forming way technology for glass forming more suitable for the bent tempering section.
4、Adopt special design and process in roller support so that it is easy to dismantle, assamble and the whole line is even and no drift during the tempering process.
5、Has excellent human-machine interface.
6、Reasonable fan collocate and high quality thermal insulation material for less power consumption.

1、炉体内腔采用进口优质保温材料，不易老化、变形、掉渣，既保证了钢化玻璃表面的光学效果，炉膛使用寿命也更长。
2、使用可靠性高、寿命长的炉丝，中间无焊点，炉丝不易烧断。
3、弯钢化段采用最适合玻璃成型的“过程同步成型”技术。
4、辊道支撑均采用特殊设计和工艺手段，所有辊道均可方便拆、装，整条生产线辊道面平整，且保证玻璃在整个钢化过程中不跑偏。
5、操作界面充分考虑对生产过程监视的直观和便捷，具有良好的人机界面。
6、合理的风机配置及高质量的炉体保温材料使设备耗电更低。

FBTL 系列水平辊道式平/弯钢化机组技术参数表
Parameters of FBTL Series Horizontal Roller Hearth Flat/Bent Glass Tempering Furnaces

| 型号 Type | 平钢玻璃尺寸 Flat Glass Dimensions | | 弯钢玻璃尺寸 Bend Glass Dimensions | | 平钢玻璃厚度范围 Flat Glass Thickness | 最小尺寸 Min.Glass | 弯钢玻璃厚度范围 Bend Glass Thickness | 最小尺寸 Min.Glass | 最小半径 Min Radius | 平钢产量（按75%的使用面积,95%的成品率计算） Flat temping Capacity(75% covering,95% usage)m²/hr | | | 弯钢产能 Bend Temping Capacity (产/模)batches/h | 生产线尺寸 Plant Dimensions L x W x H | | | 装机功率 Install Power |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 宽(width)/m | 长(length)/m | 宽(width)/m | 长(length)/m | mm | mm x mm | mm | mm x mm | mm | 4mm | 5mm | 6mm | 5mm | m | m | m | Kw |
| FBTL242525 | 2.4 | 2.5 | 2.4 | 2.5 | 4(h)--19 | 150X360 | 5--12 | 300X500 | 1000 | 54 | 71 | 46 | 15 | 17.8 | 4.0 | 4.3 | 670 |
| FBTL243630 | 2.4 | 3.6 | 2.4 | 3.0 | 4(h)--19 | 150X360 | 5--12 | 300X500 | 1000 | 61 | 98 | 74 | 15 | 21.2 | 4.0 | 4.3 | 818 |
| FBTL244239 | 2.4 | 4.2 | 2.4 | 3.9 | 4(h)--19 | 150X360 | 5--12 | 300X500 | 1000 | 77 | 123 | 103 | 15 | 24.4 | 4.0 | 4.3 | 958 |
| FBTL245439 | 2.4 | 5.4 | 2.4 | 3.9 | 4(h)--19 | 150X360 | 5--12 | 300X500 | 1000 | 99 | 158 | 132 | 15 | 29.2 | 4.0 | 4.3 | 1090 |
| FBTL246639 | 2.4 | 6.6 | 2.4 | 3.9 | 4(h)--19 | 150X360 | 5--12 | 300X500 | 1000 | 121 | 193 | 161 | 15 | 34.0 | 4.0 | 4.3 | 1262 |
| FBTL285439 | 2.8 | 5.4 | 2.8 | 3.9 | 4(h)--19 | 180X420 | 5--12 | 400X600 | 1000 | 132 | 204 | 173 | 15 | 29.2 | 4.0 | 4.3 | 1328 |

注：以上仅为我公司生产的常规型号，如有特殊需求，可按客户需求特制。
Note: The above sizes are the normal ones, we can design tempering line according to your special requirements.

FBTL246639

FUSHAN 富山

## 图例
## LEGEND

| | | | |
|---|---|---|---|
| | Peripheral Polishing w.<br>周边抛光轮 | MAX | Max.glass size mm<br>最大玻璃尺寸 |
| | Peripheral diamond w.<br>周边金刚轮 | MIN | Min.glass size mm<br>最小玻璃尺寸 |
| | Felt w.<br>羊毛轮（毡轮） | α | Bevel angle<br>斜角 |
| | Polishing w. with cerium<br>直边抛光轮 | b | Bevel width mm<br>斜宽 |
| | Polishing w.<br>精磨轮 | α | Chamfer angle<br>斜切角 |
| | Resin diamond w.<br>树脂轮 | MAX | Max.glass size mm<br>最大玻璃尺寸 |
| | Metal diamond w.<br>金刚轮 | MIN | Min.glass size mm<br>最小玻璃尺寸 |
| | Glass thickness mm<br>玻璃厚度 | MAX | Max hole mm<br>最大孔径 |
| | Precision mm<br>精度 | MIN | Min hole mm<br>最小孔径 |
| a | Accelleration m/s²<br>加速度 | | Brushes<br>毛刷 |
| | Speed m/min<br>速度 | Low–E | Min. emissivity value<br>最小辐射值 |
| w | Max.Working glass width mm<br>加工玻璃最大宽度 | | Max.bending depth mm<br>最大弯深度 |
| h | Max.Working glass height mm<br>加工玻璃最大高度 | | Max.bent length mm<br>最大弧长 |
| KW | Power KW<br>总功率 | r | Minimum bending radius mm<br>最小弯半径 |
| Kg 1bs | Weight Kg<br>总重量 | h r | Dimensions mm<br>尺寸 |
| | | | Dimensions mm<br>尺寸 |



# 一站式合作伙伴

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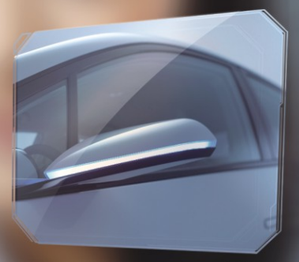
- **先进的专利技术，为您提供一站式解决方案**
  富山玻璃机械设备产品线齐全，多项生产技术获得中国和外国的专利，节能耐用；通过ISO9001国际质量体系认证和CE欧洲安全认证。
- **经验丰富，实力宏厚**
  富山26年专注于玻璃机械设备的生产和供应，丰富的玻璃深加工设备设计和生产经验。
- **高素质专业团队**
  富山的技术和生产团队以“精品战略”为导向，以“追求卓越，走向世界为目标。
- **可靠性高，节能耐用**
  综合国内、外先进技术开发研制，节能环保，稳定高效。

槽式发电

家具

建筑


汽车玻璃

家电