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A PROFESSIONAL SUPPLIER OF
ALL-IN-ONE SOLUTION FOR
INDUSTRIAL DOORS

工业用门整套解决方案的提供者



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上海肯夫门业有限公司，前身为创升自动门厂，成立于1995年，是国内最早专业从事工业用门研发、生产的企业之一。自成立以来，肯夫一直专注于为工业客户提供整套、定制化门禁系统解决方案。经过多年的行业经验以及不断吸收欧洲先进设计理念，先后开发出满足于不同行业、不同环境的门类产品。产品涵盖：快速卷帘门、电动卷帘门、工业滑升门、钢质平开门、平移门、物流装卸系统、玻璃门、柔性大门、机库门、自由门、冷库门等。产品广泛应用于食品、医药、化工、电子、机械、物流仓储、现代农业、商场超市等领域。公司先后为数十家世界500强企业及众多国内大中型企业提供门类解决方案，并以专业的售前咨询、可靠的产品质量和用心的售后服务，赢得了客户的认可。公司自2006年以来，开始发展国际市场，积累了丰富的国外项目运营经验。截至目前，已经先后出口澳大利亚、新西兰、新加坡、马来西亚、印尼、泰国、菲律宾、越南、缅甸、孟加拉、美国、哥伦比亚、智利、尼日利亚、安哥拉、南非、英国、荷兰、乌克兰、俄罗斯、蒙古等国家。

Established in 1995, Kenvo is one of the earliest professional manufacturers of industrial doors in China market. Since the very beginning, we are focused on offering complete and customized solution of entrance door system for industrial clients. A wide product line is developed during many years industry experience and through absorbing design mature concepts from worldwide developed markets, to meet specific needs from various industries and situations. It includes Rapid Roller Door, Automatic Roller Shutter Door, Sectional Door, Steel Swing Door, Sliding Door, Logistics System, Glass Door, PVC Mega Door, Hangar Door, Traffic Door, Cold-storage Door and so on. They are widely used in food&drug industry, chemical industry, electronic industry, machinery industry, logistics industry, modern farming, and commercial building like super markets. We take great pride in that, dozens of World-Fortune-500 companies and hundreds of renowned China domestic companies have chosen us and enjoyed our high-quality product and service. And since the year 2006, we have been running and expanding our overseas business. Until now, our product have reached Australia, New Zealand, Singapore, Malaysia, Indonesia, Thailand, Philippine, Vietnam, Bangladesh, USA, Colombia, Chile, Nigeria, Angola, South Africa, England, Netherlands, Ukraine, Russia, Mongolia and so on.

01

COMPANY PROFILE 企业简介

我们的核心理念 OUR CORE PHILOSOPHY

为客户提供最具效益的产品和解决方案
为员工的事业、生活创造福利
与合作伙伴分享成功

Offer our clients with long-term cost-effective product and solution.
Create benefits for our employee's career and personal life.
Share success with our partners.

我们一直致力于的重要工作

WHAT WE HAVE ALWAYS BEEN DEDICATED IN

产品开发

Keep developing better models

专业的售前咨询

Professional pre-sales consultation

严格的生产把控

Strict production control

用心的售后服务

Full-hearted after-sale service

我们取得的认可

WHAT RECOGNITION WE HAVE GOT

ISO9001质量管理体系认证

ISO9001 Quality Management System Certificate

欧盟CE产品认证

CE Certificate of Europe Union

瑞士SGS认证

SGS Audit Certificate



02

1R

快速卷帘门
Rapid Roller DoorPRODUCT
INFORMATION
产品介绍

快速卷帘门广泛应用于现代工业厂房和物流仓库中。因其具有以下独特的性能，在工业建筑的日常运行中起到不可替代的作用。

Rapid Roller Door is widely used in modern factories and warehouses. Because of below unique characteristics, it becomes the first choice in many cases.

A

高速开启、关闭
High speed opening and closing

速度可达2m/s, 为传统电动卷帘门的10倍, 可大大提高通行效率, 提高工厂整体产出。

The running speed can reach 2m/s, 10 times as traditional roller shutter door. This obviously improves passing efficiency through it and enhances overall output.

B

超高运行频率
High frequency operation

每天可开启、关闭无故障运行1000次以上, 满足叉车装卸货频繁进出等高频率通行区域。

The operation frequency can reach more than 1000 times per day without any faults. This meets need of heavy traffic in some areas.

C

高度自动化控制
High-level automation

可通过选配雷达自动感应等多种方式, 实现门的自动控制, 提高自动化水平和工作效率。

Automatic radar or other devices can be equipped, realizing auto control of the door. This enhances automation level and work efficiency.

D

高安全性
Excellent safety performance

配备红外安全感应和接触式安全感应, 双重防护, 避免碰撞, 确保通行的人、车、货物安全。

Dual protection design. Every door is equipped with safety photo sensor and proximity sensor, avoiding collision accidents and protecting passing human or vehicles.

E

有效隔绝室内、室外环境
Effective insulation

得益于快速的开启、关闭, 可以有效减少室内室外空气交互流通的时间, 防止室外灰尘等的流入, 且可减少热量传导, 节约能源。

Benefiting from fast opening and closing, it can reduce the air flow between indoor and outdoor and prevent dust from entering the room. At the same time, energy is saved by reducing thermal conduction.

F

符合GMP标准
Complying with GMP norm

独特密封性设计, 聚氯乙稀布帘不易积尘且易于清洗, 符合GMP卫生标准。

Special design seal structure. PVC fabric is dust-proof and easy for cleaning.

①标准型快速卷帘门
Standard Type RRD-STD

最广泛运用的快速卷帘门型号, 门帘中间和底部具有铝合金抗风杆, 能抵御较大风压, 厂房的室内和室外均可安装此型号。采用了先进的交流永磁同步伺服电机和伺服控制系统, 提高了门的控制精度和响应速度。即使在超高频率下使用, 电机也能保持良好的工作状态。

Mostly widely used model of high speed doors. Its fabric is with aluminum wind bars, achieving good wind resistance. Thus, RRD-STD is fit for both inside and outside use. Its driving motor and control system are advanced Servo type, with better movement accuracy and quicker response. Even under very high-frequency operation, the motor can keep good working condition.



采用双编码器设计, 内部编码器和外置编码器同时参与控制运行, 相互校准, 确保限位准确。

Special double encoder design. In-built encoder works together with external encoder to control the running. They calibrate with each other and guarantee precise limit.



力矩随动系统, 每次运行均依据负载情况和设定速度, 自动调节扭矩, 运行更加平稳柔和。

Torque servo system. The motor automatically adjusts its torque every time when the door runs, according to specific load condition and running speed.

● 门帘最大尺寸: 宽5000mm, 高6000mm	Max dimension: 5000mm wide, 6000mm high
最高开启速度: 1.8m/s	Max opening speed: 1.8m/s
最高关闭速度: 1.0m/s	Max closing speed: 1.0m/s
抗风压: 10级 (25m/s)	Wind resistance: Beaufort scale 10 (25m/s)
设计使用寿命: 15年	Work life: 15 years
工作电压: 单相220±15%V 或三相 380V±15%V, 50/60HZ	Power supply: 1-phase 220±15%V or 3-phase 380V±15%V, 50/60HZ
电器防护等级: IP55	Protection level of electric: IP55
布帘可选颜色: 黄色、蓝色、红色、灰色、白色、透明	Available colors of fabric: Yellow, Blue, Red, Grey, White, Clear

快速门帘可选颜色 Colors available for all models of Fabric Material Rapid Doors



蓝色 Blue



黄色 Yellow



红色 Red



灰色 Grey



白色 White



全透明 Full Clear

②经济款快速门 Economical Model RRD-Eco



适合预算有限且对外观无高要求的项目。门帘、电机、控制系统等核心结构均与标准型号快速门相同，但省略了不必要的外观装饰件，即包箱、电机罩和烤漆加工，在保证性能、使用寿命和稳定性不变的前提下，降低了整体成本。

Suitable for projects with limited budget and no high requirements on appearance. The core structures such as door curtain, motor, control system are the same as those of standard model fast door, but unnecessary appearance decoration, i.e. top cover, motor cover or surface painting, is omitted, which reduces the overall cost while ensuring the performance, service life and stability remain unchanged.

每个门配备独立控制箱、墙面按钮盒和安全光电感应，方便日常操作，且能提供必要的安全防护，门在下落过程中遇到障碍物会停止并回升，避免碰撞到人员或货物。两侧导轨为优质镀锌钢板材质，在常规环境下可有效避免生锈。

Each door is equipped with an independent control box, a wall button box and a safety photoelectric sensor, which is convenient for daily operation and can provide necessary safety protection. The door will stop and rise again when encountering obstacles during the closing process to avoid collision with people or goods. Side guide rails are made of high-quality galvanized steel sheets, which can effectively prevent rust in normal environments.

- 门洞最大尺寸：宽 5000mm，高 5000mm
- 最高开启速度：2.5m/s
- 最高关闭速度：1.2m/s
- 抗风压：10 级 (25m/s)
- 设计使用寿命：15 年
- 工作电压：单相 220 ± 15%V, 50/60HZ
- 电器防护等级：IP55
- 布帘可选颜色：黄色、蓝色、红色、灰色、白色、透明

Max dimension: 5000mm wide, 5000mm high
Max opening speed: 2.5m/s
Max closing speed: 1.2m/s
Wind resistance: Beaufort scale 10 (25m/s)
Work life: 15 years
Power supply: 1-phase 220 ± 15%V, 50/60HZ
Protection level of electric: IP55
Available colors of fabric: Yellow, Blue, Red, Grey, White, Clear

③ 拉链式快速卷帘门

Zipper Type Door RRD-ZIP



高密度性High Air-tightness

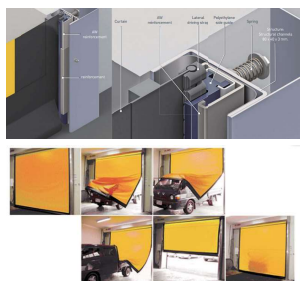
独特拉链式设计，将门的布帘和两侧导轨紧密连成一体，完全消除了两侧的间隙，大大提高密封效果，特别适用于食品、医药、洁净室、无尘车间等对室内环境有较高要求的区域。

Special zipper design structure, connects the fabric and guide rails as a whole body, eliminating gap between them. It obviously improves overall seal performance. Thus, such type door is quite fit for food and drug factory, clean room and dust-free workshop, where there is very high demand of hygienic indoor environment.

自动修复Self-repairing

门体底部采用软性扭簧或橡胶作为配重，区别于普通快速门的铝合金硬质配重。门在被叉车或其他物体撞击后，不会损坏变形，可以自动或手动辅助实现迅速修复，大大减少因撞击事故造成的维修工作。

A flexible torsion spring or rubber is adopted as bottom balance weight, instead of hard aluminum alloy profile of regular rapid doors. When there is a collision accident by forklift or other objects, the door will not be damaged. And it can recover automatically or semi-automatically under hand assistance. This design effectively reduces the maintenance and repair work caused by collisions.



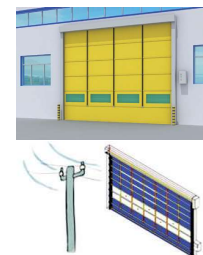
● 门洞最大尺寸：宽4000mm，高4000mm	Max dimension: 4000mm wide, 4000mm high
最高开启速度：2.0m/s	Max opening speed: 2.5m/s
最高关闭速度：1.0m/s	Max closing speed: 1.2m/s
抗风压：8级（20m/s）	Wind resistance: Beaufort scale 8 (20m/s)
设计使用寿命：15年	Work life: 15 years
工作电压：单相 220 ± 15% V 或 三相 380V ± 15% V, 50/60HZ	Power supply: 1-phase 220 ± 15% V or 3-phase 380V ± 15% V, 50/60HZ
电器防护等级：IP55	Protection level of electric: IP55
控制和驱动系统：可选配变频控制系统或伺服控制系统	Control system: inverter type or servo type
驱动系统：刹车电机或伺服电机	Driving system: brake motor or servo motor
布帘可选颜色：黄色、蓝色、红色、灰色、白色、透明	Available colors of fabric: Yellow, Blue, Red, Grey, White, Clear

④ 抗风型背带门

Anti-wind Type RRD-WIND

适用于风压较大且门洞尺寸较大的区域，具有优良的抗风性能。采用多根高强度铝合金杆将PVC布帘串接成一体，在迎风时，起到很好的支撑作用。同时采用特殊设计的皮带结构，通过卷筒滚动收纳或释放皮带，实现门的开启、关闭。

This model is with excellent wind-resistant performance, fit for areas with big wind pressure and door hole sizes. Several high-strength aluminum rod is used to connect PVC fabric as a whole. When faced with big wind, such rods will offer big support. Special belt structure is adopted to lift door up and down by revolving roller.



● 门洞最大尺寸：宽8000mm，高7000mm	Max dimension: 8000mm wide, 7000mm high
最高开启速度：1.0m/s	Max opening speed: 1.0m/s
最高关闭速度：0.7m/s	Max closing speed: 0.7m/s
抗风压：12级（35m/s）	Wind resistance: Beaufort scale 12 (35m/s)
设计使用寿命：15年	Work life: 15 years
工作电压：单相 220 ± 15% V 或 三相 380V ± 15% V, 50/60HZ	Power supply: 1-phase 220 ± 15% V or 3-phase 380V ± 15% V, 50/60HZ
电器防护等级：IP55	Protection level of electric: IP55
布帘可选颜色：黄色、蓝色、红色、灰色、白色	Available colors of fabric: Yellow, Blue, Red, Grey, White

⑤ 冷库快速卷帘门

Freezer Rapid Roller Doors RRD-FREEZER



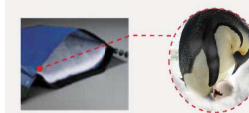
保温型耐低温快速卷帘门，广泛应用于食品医药行业工厂、冷链物流仓储、保鲜库、冷冻库等低温区域。工作温度可低至-25℃。

Insulated Freezer Rapid Roller Door, widely used in food & pharmaceutical factories, cold chain warehouses, cooler room, and cold stores. It can work in -25℃ extreme low temperature area.

优良的保温效果Excellent Thermal Insulation

门帘采用特殊双层夹心设计，内部填充保温岩棉材料，总厚度达20-40mm，有效隔绝热量传导，可大大减少冷库制冷系统的运转负荷，从而降低用电量、节省能源。同时，快速的开启关闭大大减少车辆人员的通行时间，从而降低门开启期间的热量流失。根据测算，一个安装快速冷库门的中型冷库比传统冷库每月节省7200kwh电量。

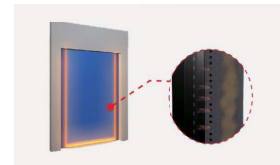
PVC Fabric curtain is special double-layer structure, filled with thermal insulation rock wool material, with total thickness up to 20-40mm. It can stop the heat transmission. And fast opening and closing will reduce the time of passing vehicles or humans. This will reduce the heat loss when the door is opening. With above two points, it can help clients save much energy consumption of freezers and cold stores. According to real tests, such freezer rapid doors can save 7200kwh electricity per month.

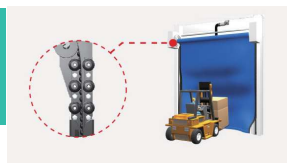


特殊防结冰加热设计 Special Anti-freezing Heating Device

冷库的低温潮湿环境会使得门的四周很容易结冰冻住，导致门无法运行甚至损坏电器部件。我们配备特殊防冻电加热装置，将微少热量源源不断的送往门的四周，有效避免结冰冻住。

In freezers or cold rooms, the door running parts will easily get frozen in low temperature and humid environment. This may lead to serious damage or fault when door try to runs when frozen steady. Motor and control system even may get burnt. To avoid





such situation, in our doors, we equip it with special anti-freeze heating device. It will bring continues heat to all-around the door to avoid freezing.

自动修复免维修Self-repairing Design And Zero Maintenance

门两侧为特殊拉链式结构, 在发生叉车撞击事故的情况下, 门帘可以从两侧轨道脱出, 并且在上升过程中通过复位装置重新滑入轨道, 恢复正常。因此, 避免了维修维护, 大大节省费用, 且不影响冷库日常运行, 产生巨大间接效益。

Self-repairing design. Side rails are special zipper lock structure. If the door is hit by a forklift, its fabric curtain will get out of the side rails without damages. Then it will get back into rails again when opening up and recover automatically. There is no need repair and maintenance. This will save a lot cost and energy for end users. And also bring big benefit by keeping normal operation of the whole freezer.

● 门洞最大尺寸: 宽3000mm, 高3500mm	Max Size: W3000mm, H3500mm
最高开启速度: 1.8m/s	Max Opening Speed: 1.8m/s
最高关闭速度: 1.0m/s	Max Closing Speed: 1.0m/s
抗风压: 8级 (20m/s)	Wind Resistance: Grade 8 (20m/s)
设计使用寿命: 15年	Work Life: 15 years
工作电压: 单相220±15%V, 50/60HZ	Power Supply: 1-phase 220±15%V, 50/60HZ
电器防护等级: IP55	Safety Class of Electric: IP55
控制和驱动系统: 伺服控制系统	Control System: Servo technology
帘布可选颜色: 蓝色	Color: Blue

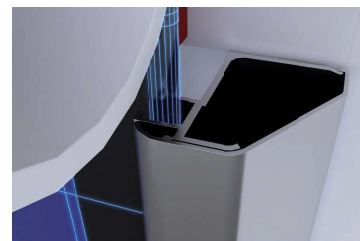
Clean Room Rapid Door RRD-Cleanpro



wear-resistant polymer slide rails to slide up and down, greatly reducing the gaps on both sides of the fast-moving door. At the same time, a specially designed D-shaped sealing structure is installed on the upper part of the door curtain to eliminate the gap between the back of the fast-moving door and the upper wall. Therefore, the overall sealing effect of the door is much better than that of ordinary fast-moving doors, the dust-proof effect is better, and it helps to maintain the pressure difference in the clean room, and can be used in 35pa high pressure difference clean areas.

洁净室专用高密封防尘快速门, 适合高标准制药厂、电子厂、半导体工厂、食品厂、实验室的室内洁净区域。门帘两侧为特殊的PU边条结构, 嵌入耐磨高分子滑轨内上下滑动, 大大减小快速门两侧缝隙。同时, 门帘上部加装了特殊设计的D型密封结构, 消除了快速门背部与上方墙面之间的间隙。因此门整体的密封效果大大优于普通的快速门, 防尘效果更好, 且有助于维持洁净室内压差, 可用于35pa高压差洁净区。

High-sealed dust-proof fast-moving doors for clean rooms are suitable for interior clean areas of high-standard pharmaceutical factories, electronics factories, semiconductor factories, food factories, and laboratories. The two sides of the door curtain are special PU edge strip structures, which are embedded in the



全铝合金结构: 两侧轨道和上方包箱均为优质铝合金材质, 彻底避免生锈。且采用圆弧形造型设计, 易于清洁。

All-aluminum alloy structure: The rails on both sides and the upper box are made of high-quality aluminum alloy, which completely avoids rust. And the arc-shaped design is easy to clean.



驱动电机为独特的内置隐藏式电机, 不占用两侧安装空间。门下方的安全光电感应也采用内置隐藏安装方式。这使得整个门的结构更加紧凑、美观。

The drive motor is a unique built-in hidden motor that does not occupy the installation space on both sides. The safety photoelectric sensor under the door is also installed in a built-in hidden way. This makes the structure of the entire door more compact and beautiful.

● 门洞最大尺寸: 宽4000MM, 高4000MM	MAX DIMENSION: 4000MM WIDE * 4000MM HIGH
适用洁净室压差: ≤35PA	CLEAN ROOM PRESSURE: ≤35PA
抗风压: 8级 (18M/S)	WIND RESISTANCE: BEAUFORT SCALE 8 (18M/S)

⑦ 焊接房快速卷帘门 RRD-WELD



专门用于机器人焊接房和焊接工作站, 可有效保护附近人员安全和减少焊接烟尘外泄。门帘采用1.2mm加厚PVC聚氯乙烯布加工而成, 能阻挡焊接强光。可选配观察窗口, 材质为半透明防弧光PVC材质, 含有抗紫外线增效剂, 有效遮蔽弧光。确保作业时观察不刺眼, 实现双面可见的半透明化作业。同时, 门的控制箱自带多组输入、输出信号, 可直接与焊接机器人PL实现信号交互, 实现进出物料、开关门、焊接的自动化衔接。同时, 得益于门的快速开启、关闭, 能大大提升机器人焊接的整体工作效率。

Specially used in robot welding cells and welding workstations, it can effectively protect the safety of nearby personnel and reduce the leakage of welding smoke. The door curtain is made of 1.2mm thickened PVC polyvinyl chloride cloth, which can block the strong light of welding. An optional observation window is made of semi-transparent anti-arc PVC material, containing anti-ultraviolet synergist, which effectively shields the welding arc light. Ensure that the observation during operation is not dazzling, and realize the semi-perspective operation visible on both sides. The control box of the door has multiple sets of input and output signals, which can directly interact with the welding robot PLC to realize the automatic connection of material in and out, door opening and closing, and welding. Thanks to the rapid opening and closing of the door, the overall work efficiency of robot welding can be greatly improved.

● 门洞最大尺寸: 宽5000MM, 高5000MM	MAX DIMENSION: 5000MM WIDE * 5000MM HIGH
透视窗可选颜色: 红色、茶色、墨绿色、黄色	AVAILABLE COLORS OF WINDOW: RED, BROWN, DARK GREEN, YELLOW

⑧ A级防火快速卷帘门 RRD-Fire



采用A级防火布作为门帘材质,通过国家消防部门A级防火检测,可以用于对防火和消防有一定要求且通行频率繁忙的区域。可以应用于新能源、锂电、半导体的车间和易燃、可燃品仓库中。这些区域物料、产品通行效率很高,门需要快速、高频率开启,同时又需要门在关闭后起到一定防火隔断、防火分区作用。

The A-grade fireproof cloth is used as the curtain material, which has passed the A-level fire prevention inspection of the national fire department, and can be used in areas with certain requirements for fire prevention and fire protection and busy traffic frequency. It can be applied to new energy, lithium battery, semiconductor workshops and flammable and combustible warehouses. The passage efficiency of materials and products in these areas is very high, and the door needs to be opened quickly and frequently, and at the same time, the door needs to play a certain role in fire partition and fire partition after closing.

- 门洞最大尺寸:宽4000MM,高4000MM
布帘可选颜色:灰色、红色、蓝色、绿色
- MAX DIMENSION: 4000MM WIDE* 4000MM HIGH
AVAILABLE COLORS OF FABRIC: GREY, RED, BLUE, GREEN

⑨ 铝合金硬质快速门 RRD-ALU

采用高强度铝合金聚氨酯夹心板作为门板材料,一次挤压成型,美观大方。门板成型总厚度达40mm,内填充聚氨酯发泡密度为50Kg/m³,使得门具有卓越的保温隔热、隔音性能。高强度门板使得该门具有优良的防盗、抗风性能,适于作为建筑的外门。

The slat is high-strength double-layer aluminum alloy panel. Total thickness of it reaches 40mm and inside is filled with polyurethane foam with density of 50Kg/m³. It has good thermal and sound insulation, burglarproof function and wind resistance. It is very suitable as main entrance door of workshops.

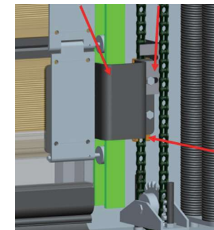
螺旋式轨道设计,门体全程在轨道内运行,完全消除了门帘片之间的摩擦,降低了高速运行的噪音和振动。

Spiral shape guide rail. Door panels keeps moving inside it all the way. This eliminates friction among slats, and reduces noise and vibration.



扭簧平衡系统,内置于两侧轨道中,抵消门体自重,大大降低电机运行负载,延长使用寿命。

Torsion spring balance system, inbuilt into the side guide rails. It counteracts the door weight and prolongs working life of motor by reducing its load.



配备手动刹车释放装置,在断电、电器故障等紧急情况下可轻松手动开门。避免因门无法开启导致人员无法疏散或货物无法通行。

Emergency release device. The door can be easily opened with this device, under emergency situations like power failure or electrical faults. This makes emergency transferring goods or human evacuation possible.

可选配一排或多排透视窗,起到建筑采光或便于人员观察的作用。视窗采用高透光性聚碳酸酯材料,可有效隔离紫外线。

One or more rows of clear window can be selected, for daylighting or human vision. It is made from polycarbonate board, with effective ultraviolet isolation.

- 门洞最大尺寸:宽5000mm,高5000mm
最高开启速度:2.5m/s
最高关闭速度:1.0m/s
抗风压:12级(35m/s)
设计使用寿命:15年
工作电压:单相220±15%V或三相380V±15%V,50/60HZ
电器防护等级:IP55
控制和驱动系统:变频控制或伺服控制
隔热系数:1.9W/(m²·K)
隔音系数:R=25dB
- Max dimension: 5000mm wide, 5000mm high
Max opening speed: 2.5m/s
Max closing speed: 1.0m/s
Wind resistance: Beaufort scale 12 (35m/s)
Working life: 15 years
Power supply: 1-phase 220 ± 15%V or 3-phase 380V ± 15%V, 50/60HZ
Protection level of electric: IP55
Control system: Inverter type or Servo type
Driving system: Brake motor or Servo motor
Thermal conductivity factor: 1.9W/(m² · K)
Sound insulation factor: R=25dB

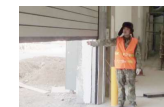
附件和可选配置

ACCESSORIES AND OPTIONAL PARTS

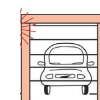
标准配置 Standard configuration



光电安全感应
Safety photo sensor



接触式安全感应
Safety proximity sensor



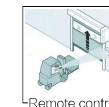
运行警示灯
Warning lamp



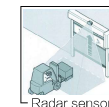
室内、室外双侧按钮控制,满足日常操作需要
Operation buttons of both outside and inside



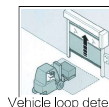
(适用于型号 RRD-STD, RRD-SERVO, RRD-ZIP, RRD-ALU)
(Fit for all models, RRD-STD, RRD-SERVO, RRD-ZIP, RRD-ALU)



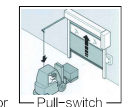
Remote control



Radar sensor



Vehicle loop detector



Pull-switch

多种附加控制方式,可根据实际需要选配

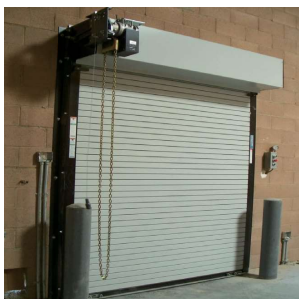
1. 雷达感应; 2. 地磁感应; 3. 遥控; 4. 拉绳开关; 5. 互锁

Multiple additional operation methods available

1. RADAR 2. VEHICLE LOOP DETECTOR 3. REMOTE CONTROL
4. PULL-CORD SWITCH 5. INTERLOCKING

2 电动卷帘门 Roller Shutter Door

① 抗风卷帘门 Standard Roller Shutter Door RSD-ST



优良的抗风性能 Excellent wind resistance

门片材质为0.8mm以上钢板材质，通过冷轧加工，形成拱形截面，立面结构强度提升85%，抗风达到12级，即35m/s。

Slats made from 0.8mm thick or above galvanized steel. It is formed with cold-processing and made into special arc section. The elevation structural strength is improved by 85%. It can resist Beaufort scale 12 wind, namely 35m/s.

先进的驱动系统 Advanced driving system

电机内置限位模块，运行控制精准无误；过载保护模块可在发生运行卡阻、供电不稳或持续运行导致过热时，自动停止电机运行，有效防止电机损坏。

In-built limit device controls running precisely; Overload-protection module will stop motor from running when there is jamming or overheating, to protect the motor.

强耐腐蚀性 Anti-corrosive

门片和导轨均采用镀锌钢板加工而成，同时表面做粉末静电喷涂处理，镀锌和油漆双重防护。

Dual protection. Slats and guide rails are made from galvanized steel. And surface is treated with electrostatic powder spraying coating.

运行平稳、静音 Stable and quiet running

卷筒经过激光校直，确保直线度；门在运行时，卷筒全长同轴转动，确保门片运行平齐不发生偏离，平稳、无摩擦噪音。

Roller is rectified by Laser-beam method, to guarantee straightness and coaxial rotation. When door running, the slats can move at same pace without deviation and blocking.

人性化的控制方式 Convenient operation methods

标配防盗式按钮盒控制，满足日常使用，同时可选配遥控控制。

Every door is equipped with a set of control button box, for daily operation. Optional remote control is available as additional choice.



运行可靠、具有很好的抗风及防盗功能，可运用于所有工业厂房、商业建筑、车库等。

Stable operation, good wind resistance and burglarproof performance. Suitable for all kinds of factories, commercial buildings, and garages.

手、自动两用 Auto-Manual dual operation modes

在停电、故障等紧急情况下，可以通过电机的手动链条实现手动开门、关门。

When there is power failure or breakdown, the door can be opened or closed by manual operation chain.

美观 Beautiful

门体可选所有RAL颜色，与建筑整体风格协调一致。

The surface is painted. All RAL colors can be chosen to harmonize with the overall style of building.

● 最大尺寸：宽 12m, 高 10m	Max dimension: wide 12m, high 10m
抗风等级：12 级 (35m/s)	Wind resistance: Beaufort scale 12 (35m/s)
运行速度：5-12m/min	Running speed: 5-12m/min
工作电压：单相 220V ± 15%V 或三相 380V ± 15%V, 50/60HZ	Power supply: 1-phase 220V ± 15%V or 3-phase 380V ± 15%V, 50/60HZ
门片厚度：0.8mm、1.0mm、1.2mm、1.4mm	Thickness of slats: 0.8mm、1.0mm、1.2mm、1.4mm
使用寿命：20 年	Work life: 20 years
安装方式：内装、外装、中装	Installation methods: interior installing, exterior installing, middle installing

② 铝合金卷帘门 Aluminum Alloy Roller Shutter Door RSD-ALU

良好的保温、隔音效果 Good thermal and sound insulation

门片为双层结构，可有效隔绝噪音和热传导

Double layer slats can prevent thermal conduction and noise

密封性高 Good seal

两侧导轨内置柔性密封毛刷，门体底部安装三元乙丙密封胶条，可消除间隙，减少空气对流

There is seal brush inside guide rail, and EPDM seal rubber at the bottom. Gaps at two sides and bottom are eliminated.

美观、节省空间 Saving installation space

采用内置式管状电机，一体化设计，简洁美观，体积小，节省门洞上方空间

Special design tubular motor is inbuilt into the roller. Integrated design saves space at the top.



多种门片可选

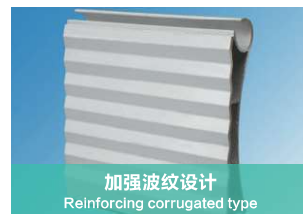
VARIOUS TYPES OF SLATS AVAILABLE



双层铝合金中空
Double layer hollow aluminum alloy



双层铝合金夹心
Double layer PU sandwich panel



加强波纹设计
Reinforcing corrugated type

标准型 standard type

保温、隔音效果好
excellent thermal and sound insulation

强度高, 抗风性能好, 适用于尺寸较大的门
high strength and good wind resistance, for
for very big doors

● 最大尺寸: 宽 6m, 高 6m

抗风等级: 11 级 (30m/s)

运行速度: 6~15m/min

工作电压: 单相 220V±10%V, 50/60HZ

使用寿命: 20 年

隔音性能: 20dB

保温性能: 阻热系数 R=11.38

安装方式: 内装、外装、中装

Max dimension: wide 6m, high 6m

Wind resistance: Beaufort scale 11 (30m/s)

Running speed: 6~15m/min

Power supply: 1-phase

220V±10%V, 50/60HZ

Work life: 20 years

Sound insulation: 20dB

Thermal insulation: R=11.38

Installation methods: interior installing, exterior
installing, middle installing

③ 防火卷帘门 Fire Rated Roller Shutter Door

RSD-FR



防火卷帘门应用于工业厂房、大型商场、超市等的防火分区或消防逃生通道。门体采用特制耐火材料, 在发生火灾时, 可以有效阻挡火势蔓延, 为人员逃生、保护财产安全创造条件。配备专用消防控制箱, 可以和建筑消防控制中心建立联动, 在发生火灾时卷帘门可根据消防控制中心的信号, 自动关闭或开启, 起到阻断火势或便于人员逃生的作用。

Fire rated roller shutter door is used in fire compartment or escape passage of factories, commercial buildings, and supermarkets. Made from special fireproof material, it can prevent spreading of fire and protect life and property. The fire control panel of the door can be connected with Fire Protection Control Center of the building, to build linkage between them. When there is a fire accident, the door can open or close automatically after it receive the control signals from the Control Center. This can prevent fire more effectively and benefit quick escape of human.

根据中国GB国家标准, 防火卷帘门划分为三个级别, 乙级、甲级、特级。

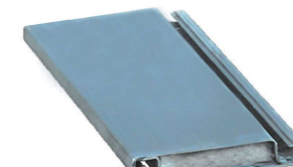
According to China national GB standard, fire roller shutter door is classified into three types, Grade B, Grade A and Grade A+.



乙级防火卷帘门 Grade B

防火时间为2小时; 门帘片采用单层镀锌钢板加工而成

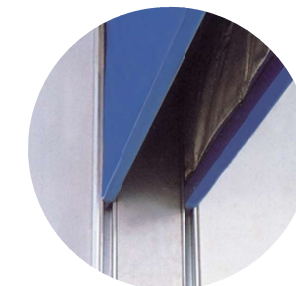
Fire rated time: 2 hours; Single layer galvanized steel slats.



甲级防火卷帘门 Grade A

防火时间为3小时; 门帘片为双层镀锌钢板材质, 中间填充耐火硅酸铝棉; 硅酸铝棉具有优良的热稳定性, 可耐高温 1200℃

Fire rated time: 3 hours; Double layer galvanized steel slats, filled with fireproof Aluminum silicate wool. The wool has excellent thermal stability, and can resist 1200 °C.



特级防火卷帘门 (双轨双帘无机布) Grade A+

防火时间为3小时; 由两幅门帘组合而成, 门帘中间为300mm左右隔热空气层; 门帘由防辐射铝箔陶纤布、陶纤针织毯、耐高温防火布及彩色装饰布组合加工而成; 驱动系统采用单台电机驱动两套传动轴, 实两幅门帘的同步升降; 启闭速度 4.5m~7.0m/min; 重量较轻, 对建筑承载要求低

Fire rated time: 3 hours; The door panel consists of two separate curtains, with 300mm space between them. Each curtain are made from Radiation proof aluminum foil ceramic fiber cloth, Ceramic fiber knitted blanket, High-temperature resistant fireproof cloth, and Color decorative cloth. One motor drives two rollers at the same time, realizing synchronous movement of two curtains. Running speed: 4.5m~7.0m/min.

控制方式

CONTROL METHODS

标准控制方式为单侧按钮盒, 同时可选多种消防自动控制方式

Standard operation method Control button box; Optional operation methods:



烟感
Smoke sensor



温感
Temperature sensor



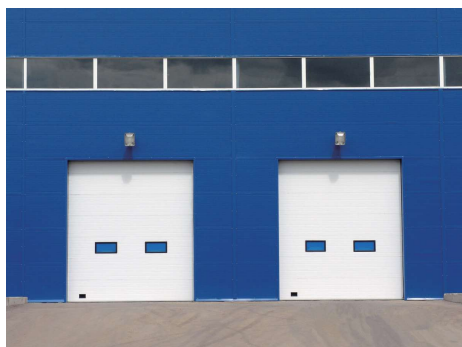
遥控
Remote control



消防联动
Fire linkage

3S 工业滑升门 Sectional Door

KENVO 肯夫



优良的抗风性能 Excellent wind resistance

门板由双层钢板构成，中间填充高密度聚氨酯发泡材料，具有很高的结构强度，抗风可达11级，即28m/s。

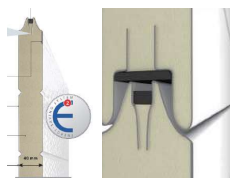
Steel sandwich door panel. Surface is double layer color steel. Middle is filled with polyurethane foam. Wind resistance: Beaufort scale 11, 28m/s



保温隔热效果好 Excellent thermal insulation

门板总厚度达到4cm，填充的聚氨酯发泡密度为42kg/m³，具有极佳的保温、隔热效果

Total thickness of door panel reaches 40mm. Density of inside PU foam: 42kg/m³. With very good thermal insulation performance.



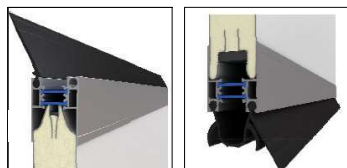
采用轨道滑升式设计，分节段门板通过可灵活转动的C型槽首尾相连，门整体可沿不同弯度的轨道平滑移动，可以满足不同门洞条件的安装。工业滑升门广泛应用于各种工业厂房、物流仓库、车库等。

Slide-running design. Door panels are connected end to end through C-type slots. Whole door body can bend flexibly and slide along guide rails with different bending shapes. Benefiting from this design, the door can be fit onto various kinds of door holes. Thus, sectional door is very widely used in all kinds of factories, logistics warehouse, and garages.

密封性 Seal

门体底部、顶部、两侧都加装 EPDM 软性密封橡胶条，具有很好的气密性

EPDM seal rubber is installed at top, bottom and two sides, gaining good air-tightness.



可高频率运行 High-frequency operation

扭簧平衡系统，大大降低了门体滑动阻力，使得驱动电机一直在低负荷下运行，即使高频率使用，也不会产生过热、传动卡阻

Torsion spring balance system counteracts most drag force during opening. Drive motor works under very light load. Thus there are no overheating and blocking even the door are operated very frequently.



人性化的控制方式 Convenient operation methods

标配控制箱按钮控制，满足日常使用；同时可选配遥控控制

Standard control button box are available at two sides for daily operation. Remote control is optional.



手、自动两用 Auto-Manual dual operation modes

在停电、故障等紧急情况下，可以通过电机的手动链条实现手动开门、关门；扭簧平衡系统的扭力经过严格受力计算，抵消门上升时的大部分阻力，手动开启只需很小的力(不高于180N)

When there is power failure or breakdown, the door can be opened or closed by manual operation chain. Balance torsion spring system counteracts most of drag-force of opening. It can be opened by hand with a little force (within 180N).

阻燃性能 Flame retardant

门板阻燃级别为国标GB8624 B1、欧标NF-P92-503、德国标准M2 DIN 4120 B1

Flame retardant grade: GB8624 B1, EU standard NF-P92-503, Germany standard M2 DIN 4120 B1

安全性能 Safety performance

防坠落装置，可在传动钢丝绳突然断裂时，有效防止门体坠落，防止事故发生；门体底部加装安全气囊感应，门关闭过程中如遇到障碍物，会自动停止

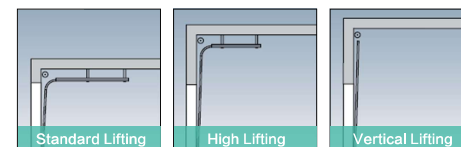
Drop-proof device installed at two sides. In case the steel wire rope is broken apart, it can prevent the door panel from falling down and avoid accidents. At the same time, safety proximity sensor is installed at the bottom. When there is obstacle under the door, it will stop automatically when touching the objects.



可选多种提升方式 Various climbing modes

标准提升 提高提升 垂直提升 斜提升

Standard climbing mode High climbing mode Vertical climbing mode Incline climbing mode



可选透视窗、通行小门 Clear window and Small man door for options

透视窗为聚碳酸酯纤维板，透光效果好。通行小门适用于人员通行较多的门洞，可降低大门整体的开启频率，便利人员通行。

Clear window is made from polycarbonate, with high transparency. Small man door is aimed to facilitate human passing, no need opening the whole door.



● 最大尺寸：宽 12m，高 8m

抗风等级：11 级 (28m/s)

运行速度：0.2m-0.4/s

工作电压：单相 220V ± 10%V 或 三相 380V ± 10%V, 50/60HZ

门板厚度：40mm、50mm

使用寿命：20 年

Max dimension: Wide 12m, High 8m.

Wind resistance: Grade 11 (28m/s)

Running speed: 0.2-0.4m/s

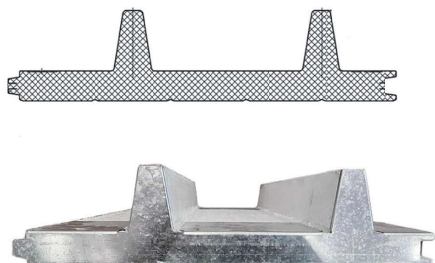
Power supply: 1-phase 220V ± 10%V or 3-phase 380V ± 10%V, 50/60HZ

Thickness of panel: 40mm or 50mm

Work life: 20 years

特种门板

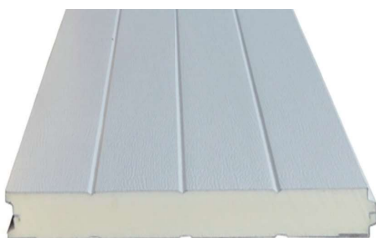
1. 大背筋门板 Large back-ribbed door panels



抗风强度高, 用于门洞尺寸大且风压很大的区域。

It has high wind resistance and is used in areas with large door openings and high wind pressure

2. 断冷桥加厚门板 Thickened door panels for the broken bridge



80mm厚度, 且断冷桥设计, 保温效果极好, 用于冷库、冷链物流

80mm thickness, and cold bridge design, excellent thermal insulation effect, used for cold storage, cold chain logistics

① 全透明玻璃滑升门 Transparent Glass Sectional Door



门板整体采用聚碳酸酯有机玻璃材质, 透光性好、视野清晰、美观高档, 适合于各种展厅、汽车4S店、消防中心、停车场、商业中心等。门板边框采用优质6063铝合金型材, 中间为大幅面双层中空有机玻璃, 门强度高且能有效过滤紫外线, 具备良好保温、隔音效果。

The door panel is made of polycarbonate glass, which has good light transmittance, clear vision, beautiful and high-end appearance, and is suitable for various exhibition halls, automobile 4S stores, fire centers, parking garages, commercial centers, etc. The door panel frame is made of high-quality 6063 aluminum alloy profiles, with large-facade double-layer hollow PC glass in the middle. The door has good strength and can effectively filter ultraviolet rays, and has good thermal insulation and sound insulation effects.

② 铝单板工业滑升门 Single-skin Aluminum Sectional Door

门板采用单层铝合金钢板数控冷弯成型, 背面加装高强度铝型材加强筋, 使得整个门具备优异的抗风性能, 因此适合面向室外的大尺寸洞口, 如物流仓库、大型设备车间等。最大尺寸: 12m宽*6m高。

The door panel is made of single-layer aluminum alloy steel plate through CNC cold bending, and high-strength aluminum profile reinforcement ribs are installed on the back, making the entire door have excellent wind resistance, so it is suitable for exterior large-sized openings, such as logistics warehouses, large equipment workshops, etc. Maximum size: 12m wide * 6m high.



4 Steel Swing Door



多用于工业厂房、商业建筑、民用建筑的人员通行区域，根据门洞大小，可设计成单开门、子母门或双开门。

Mainly used as human passing door of factories, commercial and residential buildings. It can be made into single leaf, unequal double leaf or double leaf.

门框和门扇均采用优质镀锌钢板加工而成，通过高强度不锈钢铰链连接，开启、关闭平顺，经久耐用。钢板表面做粉末静电喷涂处理，比传统烤漆具有更好油漆附着力和耐久性，表面颜色不易褪色、变色、剥落。

Door leaf and frame are made from galvanized steel. Surface is treated with electrostatic power coating, with much better adhesion and durability than traditional painting. The color will not fade and come off through a long period. Heavy duty stainless steel hinges are used to fix door leaf onto the frame, realizing smooth opening and closing.



SSD-STD普通钢质门 Ordinary steel door

用于常规非防火要求区域，便于人员通行和管理。门扇内部填充蜂窝纸或保温岩棉。

Fit for human passing areas without fire-protection requirements. Middle of door leaf is filled with honeycomb paper or rock wool.

SSD-FR防火钢质门 Fire rated steel door

用于建筑物的防火要求区域，可有效阻断火势并利于人员紧急逃生。根据检测和认证标准，可分为中国国标防火门、美国标准防火门和欧标防火门。

Fit for areas with requirement of fire protection. It can effectively stops spreading of fire and facilitates escape of human. It can be classified into three types according to different test standards, namely China national GB standard fire door, American standard fire door and Europe standard fire door.

根据中国国家标准，可划分为甲级、乙级和丙级，防火时间分别为1.5小时，1.0小时，0.5小时。门扇内部填充高密度防火珍珠岩板；我司防火门产品采用天然优质防火珍珠岩矿石，通过超高压化学粘合的专有工艺，将矿石颗粒牢固粘接到钢质方管骨架上；无论从致密度和粘结强度都大大优于普通的传统单板，密度达到200kg/m³，抗压强度达到690kpa。确保门体长期使用不变形、损坏，且防火隔热效果更好。

According to China national standard, fire door should be classified into three grades, Grade A, Grade B and Grade C. Fire rated time of them are 90 minutes, 60 minutes and 30 minutes. Inside of leaf is filled with high-density fire perlite board. We adopt Super-High-Pressure chemical bonding technique, to directly fix the national perlite mineral onto a steel tube skeleton steadily. Due to this unique process, our door is much better than traditional fire door with single perlite board inside, as for density and bonding force. Density of perlite: 200kg/m³; Compressive strength: 690kpa. Thus the door will not deform and damage after long-time use and also gain better fire resistance and thermal insulation.

美国标准防火门是国际上认可度最高的防火门，可以在除欧洲、澳洲以外的大多数国家通过当地的消防验收。我们可以提供WH、FM和UL三种美国标准证书防火门。防火时间最高可达3小时。

American standard fire door is most widely accepted. Complying with UL10C and NFPA252 norm, it can pass through local official fire audits in most countries of the world, except Europe and Oceania. We can offer fire doors certified by WH, FM or UL organizations. Fire rated time reaches up to 3 hours.



欧标防火门，符合欧盟标准EN1634-1防火标准，在欧盟国家被广泛认可。防火时间最高可达2小时

Europe standard fire door, complying with EN 1634-1, widely accepted in Europe countries. Fire rated time reaches up to 2 hours.

可选配部分

OPTIONAL PARTS

五金件 Hardware

双面把手锁 Leveler handle lock

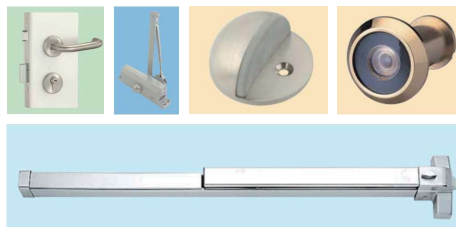
闭门器 Door closer

逃生推杠锁+外把手锁 Panic device+trim

门挡 Door stopper

插销 Bol

门吸 Door holder



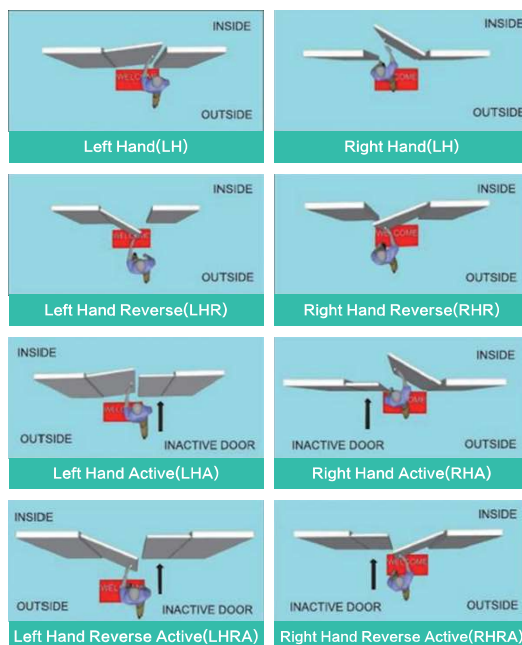
视窗 Window

安全玻璃或防火玻璃 Safety glass or Fire glass

门槛 Threshold

304不锈钢材质 stainless steel

开启方向 Handling direction



表面颜色 Color

所有 RAL 颜色可定制
All RAL colors available



5C 洁净室门窗

Clean Room Door and Window



洁净室专用门窗，具有区别于普通门窗的特殊设计，具有如下独特功能。

1. 防腐蚀；2. 避免结尘；3. 易于清洁；4. 平面无缝设计；5. 高密封性
因此，广泛应用于食品、制药、实验室、医院、电子等行业的洁净室或无尘车间。符合国内外食品级、GMP药品级行业标准。

It is a metal swing door installed in all kinds Clean Rooms. There are several unique features to meet special requirement of such buildings, listed as follows:
1. Rust-proof; 2. Free from dust retention; 3. Easy for cleaning; 4. Seamless and Pure plain; 5. Air tight.

Thus, it is widely adopted in food & drug factories, laboratories, hospitals, micro-electronics factories, where there is extreme high demand for hygiene and cleanliness. And it comply with international Food-grade and GMP Pharmaceutical standards.

门扇 Door leaf

采用0.8~1.0mm厚优质镀锌钢板或304不锈钢材质。内部填充高密度蜂窝纸或保温岩棉。

Surface is 0.8 or 1.0mm thick painted galvanized steel or 304 stainless steel. Inside is filled with high-density honeycomb paper or rock wool.



门框 Door frame

采用1.2~1.5mm优质镀锌钢板或304不锈钢板。

It is made from 1.2mm or 1.5mm thick painted galvanized steel or 304 stainless steel.

密封结构 Seal structure

门框和门扇接触区域，采用三元乙丙橡胶密封。在门扇与地面之间，加装特殊的自动升降式密封条，可在门扇关闭时自动伸出，消除地面间隙。

There are all-around EPDM weather seal rubber between frame and leaf. Furthermore, automatic seal rubber is installed at the bottom of the door leaf. It will automatically get down and close the gap with ground floor when door closed.



视窗 Vision Panel

特殊的双层中空结构。两面为5mm厚钢化安全玻璃。中间为中空结构，填充防潮湿硅胶，有效避免结露。总厚度与门扇相同，达到50mm，因此和门扇表面平滑无缝隙，有效闭门积尘且易于清洁

Special clean room glass. It is made from double layer tempered safety glass. Its surface is on the same plane with door leaf, to avoid dust retention and realize easy cleaning

安装墙体 Fitting Wall Types

可根据不同的洁净室墙体定制门框设计，匹配安装。常规为50mm、75mm或100mm夹心板墙体，也可配套混凝土土建墙体

Door frame can be customized to fit different clean room walls. The standard wall is 50mm, 75mm and 100mm sandwich panel wall. And other thickness can be customized. Concrete wall can also be fitted.

Clean Room Sliding Door

广泛应用于制药厂、电子厂、实验室的洁净区和医院的病房、手术室。采用纯平面防尘、易清洁设计，四周均加装贴合式密封胶条，具备优良的密封性，可有效隔绝灰尘、空气，保持清洁且维持室内压差。

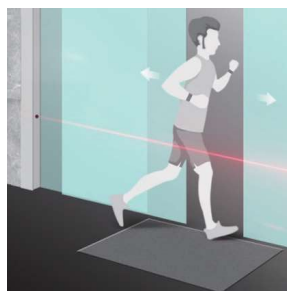
It is widely used in clean areas of pharmaceutical factories, electronics factories, laboratories, hospital wards and operating rooms. It adopts a pure flat dustproof and easy-to-clean design, and is equipped with fitting sealing strips all around. It has excellent sealing performance, can effectively isolate dust and air, keep clean and maintain indoor pressure difference.



手势感应
Hand Sensor



脚感应
Foot Sensor



安全感应
Safety Sensor



门扇数量: 单开或双开设计

门扇材质: 镀锌钢板表面静电喷涂, 可选304不锈钢材质

导轨: 优质6063高强度铝型材, 运行平滑、无噪音、低磨损。

观察窗口: 双层中空玻璃窗, 厚度与门扇等厚, 表面平齐于门扇。

控制方式: 手势感应, 可选配脚感应或雷达感应。

安全防护: 红外光电感应, 门关闭时感应到人或物经过, 自动停止。

Number of door leaf: single or double leaf design

Door leaf material: galvanized steel plate with surface electrostatic coating, optional 304 stainless steel material

Guide rail: high-strength 6063 aluminum profile, smooth running, no noise, low wearing.

Observation window: double-layer hollow glass window, the thickness is the same as the door leaf, and the surface is flush with the door leaf.

Control mode: hand sensor, optional foot sensor or radar sensor.

Safety protection: infrared photoelectric sensor. The door stops automatically when it detects people or objects passing by when closing.

6 平移门 Sliding Door



门板由聚氨酯夹心钢板构成，通过灵活转动的滚轮，将门板悬挂在上方导轨上，实现门板平顺、轻便的左右滑动。保温、隔音、防盗、运行可靠、低故障率，多用于工业厂房的大门。根据现场门洞大小和空间，可以选择双扇开启或单扇开启

Door leaf is made from Polyurethane sandwich panel, suspended onto top guide rail by guide wheels. The leaf runs smoothly along the top guide rail when door opening or closing. Such door is mostly used as main entrance door of factories, because of good thermal and noise insulation, guard against theft, stable operation and low fault rate.



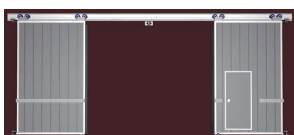
手动型 Manual type

门扇内、外立面均有把手，便于人员手动开门、关门。吊轮采用特制耐磨尼龙材质，大大降低与上导轨间摩擦系数，使得门扇滑动轻便，即使单个人员也可轻松移动门扇。

最大尺寸：宽8m、高6m

Handles are available at both outside and inside, convenient for manual operation. Top guide wheels are made from special nylon or polished steel, reducing its frictions with top guide rails. The door leaf can be moved by single person very easily.

Max dimension: Wide 8m, High 6m



电动型 Motorized type

配备高品质专用开门机，实现门的自动运行。

最大尺寸：宽15m、高10m

High quality integrated drive motor, specially designed for sliding doors.

Max dimension: Wide 15m, High 10m



内置控制模块，简洁式一体化设计。通过遥控控制门的运行，便于日常的操作和管理。

启动力矩大、运行平稳可靠
停电时可脱离离合器，用手推动门体，实现手动开门、关门

内部设置温度保护器（电机升温达到额定值时，电机自动断电进行保护）

Built-in electric control board
Remote control for daily operation
Big start torque and stable running
Brake can be released to realize manual operation in case of power failure
Over heat protection mechanism

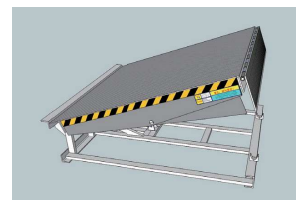


现代物流仓储，对高效率、高安全的货物转运有越来越高的要求。通过将快速运行的滑升门、可调节台面的装卸平台和密封防护的门罩组合使用，实现货运车辆和仓库的高效率、高密封的无缝对接，大大提高货物转运的速度和安全性。

Modern logistics warehousing industry has higher demand for efficiency and safety of goods transferring. To meet this trend, high-speed sectional door, adjustable dock leveler, and seal dock shelter are combined as a whole working station, realizing fast and sealed connection between trucks and warehouse.

7 物流装卸系统 Logistics System

① 装卸平台 Dock Leveler



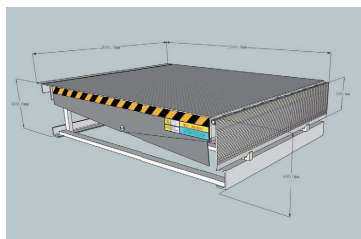
广泛应用于物流中心、仓库、工厂收发货区，可大大提高货物转运的效率。通过液压站电机驱动台面升降，将室内地面与货车车厢地面无缝对接，便于通过叉车等工具快速装卸货。

Widely used in logistics centers, warehouses and despatch area of factories. It can obviously improve efficiency of goods transferring. A hydraulic motor drives the platform up and down, realizing seamless joint between room ground and truck floor. Forklifts can transfer goods quickly.

载重稳定性 Weight-load stability

调节平台总成，标称载重量加负荷 20%，静压 24 小时，形变小于 3mm，撤除压力后，形变恢复。

The overall assembly can bear 120% load of standard nominal load capacity. Under static pressure of 24 hours, the deformation is within 3mm. And after pressure released, the deformation will recover.



台面 Platform ground

采用高强度加厚钢板，表面铣槽防滑

Platform ground is made from high-strength 8mm or above thick steel plate. Surface is processed with groove milling to make it anti-skid.

铰链和转轴 Hinge and shaft

经过超高温热处理，确保最小形变

Are Super-high-temperature Heat Treated, To Reduce Its Deformation

驱动系统 Driving system

采用整套欧洲进口液压站工作系统，动力输出平稳可靠；低工作油温，可高频率使用；密封性高，无油液渗漏

Whole set of hydraulic drive station is imported from Europe, with stable power output. It can work under high frequency because of very low work temperature of oil. High standard seal avoids oil leaking.

表面处理 Surface treatment

采用耐磨环氧树脂油漆喷涂，长期使用不发生脱落、掉色，耐腐蚀性强

Coated with epoxy resin paint, very durable and high anti-corrosive.

- 工作电压：单相 220 ± 10%V, 50/60Hz 或三相 380 ± 10%V, 50/60Hz
- 电机功率：0.75KW-2.2KW
- 标准尺寸：2500*2000*600 (可定制)
- 承载重量：6 吨 / 10 吨 / 15 吨
- 调节范围：-300mm 到 +350mm

Power supply: Single-phase
220 ± 15%V, 50/60Hz, or 380V ± 15%V, 50/60Hz

Power of motor: 0.75KW-2.2KW

Standard size: 2500*2000*600 (can be customized)

Load capacity: 6000KG/10000KG/15000KG

Adjusting scope: -300mm to +350mm



② 更多种类装卸平台 More Types of Dock Levelers

机械式平台 MECHANICAL DOCK LEVELER

采用高强度扭簧组作为动力装置，实现无电操作，可用于供电受限或有防爆要求的场合。扭簧由优质60Si2Mn高强度弹簧钢经超高温淬火盘绕而成，工作弹力提升，且频繁伸缩不老化，可有效提高使用寿命。

The high-strength torsion spring group is used as the power device to achieve non-electric operation, and can be used in places with limited power supply or explosion-proof requirements. The torsion spring is made of high-quality 60Si2Mn high-strength spring steel and is coiled after ultra-high temperature quenching. The working elasticity is improved, and it will not age after frequent expansion and contraction, which can effectively increase the service life.

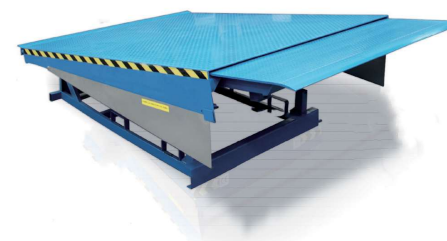


- 标准尺寸：2.0M*2.0M*0.5/0.6M
- 载重：6000KG
- 颜色：蓝色、灰色、黑色、绿色

操作方式：双链条拉环，后拉环可轻松升起平台，前拉环用于使平台下趴。

Operation: Double chain pull ring, rear pull ring can easily raise the platform, front pull ring is used to lower the platform.

伸缩式平台 TELESCOPIC DOCK LEVELER



舌板为特殊的可伸缩式设计，可以触达距离更远的货运车辆，适合车辆无法近距离接触及装卸平台前方的场合。在冷链物流、冷库的装卸货月台，可以将保温提升门安装在伸缩式装卸平台的前方，在门关闭后，彻底覆盖门洞口，避免冷气外流，形成断冷桥装卸货口。

The front lip is retractable design that can reach vehicles at a farther distance, and is suitable for occasions where vehicles cannot reach the dock leveler. In loading docks of cold chain logistics and cold room, insulated sectional door can be installed in front of telescopic dock leveler. After the door is closed, it completely covers the door opening to prevent the outflow of cold air and form a cold bridge loading dock.

- 标准尺寸：2.5M*2.0M*0.6M
- 伸缩距离：1000MM

台边式装卸平台 EDGE OF DOCK LEVELER

为一种简易式装卸平台，无需标准的月台基坑，可直接悬挂式安装在月台的正前方，适合无法安装标准装卸平台的仓库。可选手动和液压两种操作方式。

A simple dock leveler. It does not require a standard dock pit, and can be directly installed in front of the dock. It is suitable for warehouses where standard dock leveler cannot be installed. Manual and hydraulic operation modes are optional.



- 调节范围：+150MM/-120MM。
- 标准尺寸：2000MM*500MM*500MM。
- 舌板宽度：400MM。

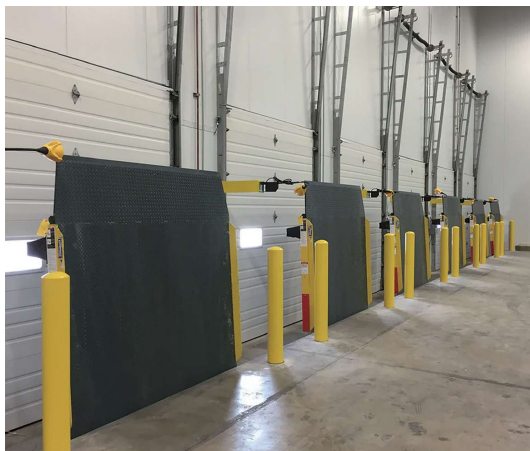
站式装卸平台 VERTICAL STORING DOCK LEVELER

当装卸平台收回时，会处于站立状态，树立在仓库月台内。这带来两点作用：

1. 整个装卸平台缩回了室内，提升门可以全部关闭到底，有效保温，因此适合冷库项目。
2. 作为安全屏障，防止仓库内的叉车撞坏提升门进而跌落。

When the dock leveler is retracted, it will be in a vertical position, standing inside the warehouse loading dock. This has two benefits:

1. The entire dock leveler is retracted into the room, and the dock door can be completely closed to the floor, effectively keeping temperature, so it is suitable for cold rooms.
2. It acts as a safety barrier to prevent forklifts in the warehouse from hitting the sectional door and falling.



装卸平台核心部件 Core Parts of Dock Levelers

(适用于所有液压平台 For all types of hydraulic dock levelers)



控制箱：多功能控制箱，具备一键式操作按钮、独立电源开关、安全急停按钮，使用维护更方便、更安全。

Control box: Multifunctional control box, equipped with one-touch operation button, independent power switch, and safety emergency stop button, making it more convenient and safer to use and maintain.



电机：标准配置知名国产KS品牌液压泵站，可选配德国布赫品牌、德国雅格灰品牌、意大利布莱维尼品牌。

Motor: Standard is China top brand KS, available for Germany Bucher brand, Germany Argos brand and Italy Brevini



液压油缸：采用65-70mm大直径油缸，并配置日本NOK品牌液压密封件，长期使用不漏油。

Hydraulic cylinder: 65-70mm large diameter cylinder, equipped with Japanese NOK brand hydraulic seals, no oil leakage in long-term use.

③ 门封 Dock shelter

用于装卸货出口与货运车辆间的密封，在装卸货的过程中，有效保护货物，并避免外界空气、粉尘等进入室内，造成污染。

Used for seal between dock and trucks. It can protect goods and avoid pollution of exterior air and dust during the loading and unloading process.



机械式门封 Mechanical Dock Shelter

适用于货运车辆形式不一的装卸货区的密封；可伸缩式设计，采用两根平行方管构成骨架。在货运车辆尾端接触时，可自由回缩，实现不同车型车辆与装卸货口的灵活对接；车辆驶离后，门封挂帘在自重的作用下自动伸出，恢复原状。

Fit for docks working with different types of trucks. It is retractable design. Two parallel steel tubes form the main skeleton. When trucks touch the shelter, it will retract flexibly and join closely with trucks of different types. After trucks leave, it will recover automatically under self-weight effect.



海绵门封 Sponge Dock Shelter

适用于货运车型较为统一的装卸货区，可提供高效的密封、保温隔热性能

Fit for docks working with uniform trucks. It can realize effective seal and thermal insulation.

● 颜色：黑色	Color: Black
纤维层数：2层	QTY of fabric layers: 2
纤维种类：横向稳定聚酯丝	Fabric type: Horizontal polyester
表层材料：法国进口聚酯织物	Surface material: PVC fabric
底层材料：法国进口聚酯织物	Basic material: PVC fabric
总厚度(mm)：2.0-3.0	Thickness of front fabric(mm): 3.0
重量(kg/m ²)：2.7	Density(kg/m ²): 2.7
拉伸强度(N/mm)：150	Thickness of lateral fabric(mm): 0.8mm
1%延伸时受力(N/mm)：8	Retractable metal frame: Zinc steel/Aluminum alloy
最大生产宽度(M)：2.0	Tear strength(N/mm): 150
耐温范围(℃)：-20/+80	1% Stress(N/mm): 8
横向稳定性：是	Max width (M): 5
防火级别：欧洲二级标准(离火自熄)	Work temperature(℃): -20/+80
	Horizontal stability: Yes
	Fireproof grade: EU Grade II

结构及海绵 Structure and sponge

采用电镀钢板衬垫或防腐实木衬垫，完全贴合墙体，门封内部填充高压压缩海绵，密度为30KG/m³；衬垫截面尺寸：300mm×300mm；独特的减压设计有效减少了货台、门封与货车之间的磨擦，延长门封面料的使用寿命。

The back structure is made from galvanized steel plate or anti-corrosive solid wood, touching with the wall closely. Inside is filled with highly compressed sponge, with density of 30KG/m³. Size of section: 300mm×300mm. Special pressure-relief design can reduce the friction with dock and trucks. This will prolong work life of surface fabric.

门封织物 Surface fabric

有自熄功能的PVC帘布，重量为800g/m²，在门封两侧和上沿帘布添加百叶褶，可以承受持久耐磨压挤；

Made from PVC fabric with self-extinguishing function. Weight: 800g/m². There are fabric shutter folds on top beam and two side columns. Thus it can endure long-time friction and squeezing.



充气门封Inflatable Dock Shelter

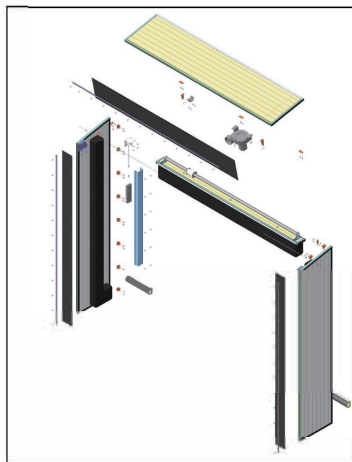
充气门封上部 and 两侧为多层堆叠式气囊构成，由高耐磨性、高韧性的聚酯纤维材料加工缝制而成。在装卸货时，门封自带的高效气泵会给气囊快速充气，膨胀的气囊紧紧包裹车厢，起到极佳的密封和保温效果。同时，气囊的柔软弹性使得门封可适合不同大小的车厢。因此，充气门封适合于保温、密封要求都较高的场所，如食品、制药、冷链、电子等仓库。

Two sides and top part are PVC fabric material airbag. When working, the automatic air pump blow air into the joined air bags, to fill the space between door and truck containers. Inflatable dock shelter adapts accurately to various size of lorry. It offers excellent sealing properties and for the most part prevents outdoor temperature reaching warehouse. Thus it is fit for areas with high demand for both thermal insulation and air-tightness, like food and pharmaceutical warehouses.

顶部和侧边 Roof and side cladding

顶部和侧边为40mm厚聚氨酯夹心板构成，保温效果好。固定件为优质阳极氧化铝合金材质，坚固美观

Thermal insulated steel sandwich panels, 40mm thick, with aluminum corner profiles.



前部面板Flexible front strips

双层聚氯乙烯结构，总厚度达3mm，表面采用双面涂层处理，经久耐磨
2-layer, elastic substrate of polyester, PVC-coated on both sides, reaching 3mm thick.

气囊结构Durable air bag

高强度高耐磨防水尼龙刮布材质，可耐紫外线和化学腐蚀。
Made from weather-proof hard polyester fabric, with high strength and friction-resist.

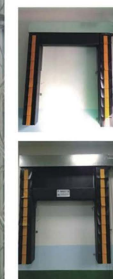
标准尺寸Standard size
W3400mm*H3600mm



可调式海绵门封 ADJUSTABLE-HEAD FOAM DOCK SEAL

门封上方的水平横梁为特殊的可升降设计，可以根据不同车辆车厢的实际高低来自由调节门封横梁的高度，以使门封完全贴合车厢，从而有效密封、保温。这解决了普通海绵门封尺寸固定、无法适配不同车型的问题。

Its horizontal pad is a special movable design. The height can be freely adjusted according to the actual height of the vehicle, so that the dock seal cover the truck well, thereby effectively sealing and keeping temperature. This solves the problem that ordinary foam dock seals have fixed sizes and cannot be adapted to different trucks.



● 调节方式：手动链条。
调节范围：1000MM

ADJUSTING METHOD: MANUAL CHAIN
ADJUSTING RANGE: 1000MM

可调式机械门封 ADJUSTABLE-HEAD MECHANICAL DOCK SHELTER



Original



Head dropped

在普通机械门封的上方挂帘内部，加装一个可升降的PVC挂帘，可以根据不同车辆车厢的实际高低来自由调节挂帘的高度，以使门封完全覆盖车厢，从而有效密封。这大大提高了机械门封对车辆高度的适应能力，高低差别很大的不同车型都能完美匹配。

A liftable PVC curtain is installed inside the upper curtain of the ordinary mechanical dock shelter. It can be freely adjusted according to the actual height of the vehicle, so that the dock shelter can completely cover the truck and effectively seal it. This greatly improves the adaptability of the dock shelter to vehicle height.

● 调节方式：手动拉绳
调节范围：1000MM

ADJUSTMENT METHOD: MANUAL PULL ROPE
ADJUSTMENT RANGE: 1000MM

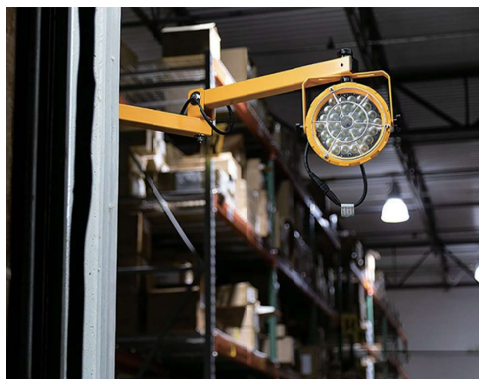
限动器 VEHICLE RESTRAINT

在装卸货月台装卸货过程中, 叉车频繁进出车厢, 可能导致停好的车辆不断往前移动, 逐渐脱离装卸平台; 导致叉车从月台上跌落, 发生严重人员安全事故。限动器是一种装卸货安全保护装置。当车辆停到位后, 限动器的锁钩可以升起勾住车厢尾杆, 避免车辆前移, 从而避免叉车跌落事故。

During the loading process of loading dock, the frequent entry of the forklift may cause the parked vehicle to move forward and gradually leave the dock leveler, causing the forklift to fall from the platform and cause serious personal safety accidents. Truck restraint is a loading dock safety protection device. When the vehicle is parked in place, its lock hook can rise and hook the tail of the truck to prevent it from moving forward, thereby preventing the forklift from falling.



- 锁钩升降范围: 315MM ~ 630MM LOCK HOOK LIFTING RANGE: 315 ~ 630MM
- 抗拉力: 16000KG TENSILE STRENGTH: 16000KG



货位灯 DOCK LIGHT

物流装卸货专用照明灯。特殊的可伸长、可弯曲设计, 可以灵活移动为车厢内提供照明, 方便叉车等夜间装货, 提升工作安全。

Tailor-made light for warehouse loading docks. Special extendable and bendable arm, can be flexibly moved to provide lighting into container. Facilitates nighttime loading by forklifts and improves work safety.

- 灯珠种类: LED LAMP TYPE: LED
- 功率: 30W/50W POWER: 30W/50W
- 防水等级: IP66 WATERPROOF LEVEL: IP66

挡车器 WHEEL GUIDE

安装在装卸货月台外面的地面上, 用来引导货车倒车就位, 确保货车车厢能快速对准装卸货月台, 提高装卸货整体效率。

Installed on the ground outside loading dock, it is used to guide the truck to pull back into position, ensuring that the container can quickly align with the dock, improving the overall efficiency.



- 材质: Φ76MM/114MM/140MM圆钢管 MATERIAL: Φ76MM/114MM/140MM ROUND STEEL TUBE
- 表面处理: 黄色烤漆 SURFACE TREATMENT: YELLOW PAINT

8 G lass Door



玻璃平开门 Glass Swing Door

玻璃平开门 Glass Swing Door

门体主体由门框和门扇构成, 通过蝶形铰链或地铰链实现门扇的绕轴开启、关闭。门框和门扇骨架可选择烤漆钢板或不锈钢材质包边。

It consists of door frame and door leaf. Equipped with butterfly hinges or floor hinges, the door can be opened or closed by swinging. Material is painted galvanized steel or stainless steel.

钢化安全玻璃 Tempered glass

通过国家3C强制性认证
China 3C Security certified

蝶形铰链 Butterfly hinges

配合闭门器实现门的自动关闭
Work with door closer to realize auto closing

地铰链 Floor hinges

集成自动关门功能
With auto closing function

把手 Handle

标准款 Regular-length 长款 Full-length

锁芯 Cylinder lock

玻璃自动门 Automatic glass door

由上导轨、门扇、驱动机组、感应雷达构成。一般为双扇双向开启。感应雷达探测到位于门前的人或物体时, 向驱动机组发出开门信号, 电机运转, 牵引门扇沿上导轨平顺滑动。人或物体离开后, 门会保持开启数秒钟, 之后自动关闭。

It consists of top guide rail, door leaf, drive system and radar. Normally whole door is separated into two leaves. When the radar detects human or other objects in front of the door, it will send a signal to the motor. Then the door will open automatically along the guide rail. After human or objects leave, the door will keep open for several seconds and then close automatically.

欧洲进口驱动机组, 运行平滑静音

Europe-imported drive system, smooth and silent running

欧洲进口感应雷达, 探测灵敏可靠

Europe imported radar, with excellent detecting sensibility

配备安全感应, 门关闭时如遇障碍物, 可自动停止

With safety sensor, the door will stop closing if it touches obstacles

遥控按钮控制, 便于管理人员根据需要控制门的启闭

Remote control, convenient for daily operation

锁止装置, 在不需要门自动感应启闭时, 可将雷达感应关闭

Lock-up device. Radar function can be closed when there is no need of automatic operation

可选配门禁系统, 有效控制人员通行权限

Access control system can be chosen, to master passing authority



玻璃自动门 Automatic glass door



9 柔性大门 Fabric Mega Door

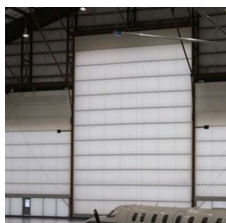
柔性大门的宽度和高度可达数十米，为特种超大型自动门。多用于造船厂、大型喷砂或喷漆车间、飞机库、大型机械设备制造、矿产加工等特殊行业。

Special type super big automatic door, widely used in shipyard, blasting or painting room, hangar, and large machinery factories.

- 门洞最大尺寸: 宽 50000mm, 高 30000mm
Max dimension: Wide 50000mm, High 30000mm
- 开启、关闭速度: 0.2~0.6m/s
Opening and closing speed: 0.2~0.6m/s
- 抗风压: 12 级以上 (35m/s 或以上)
Wind resistance: Beaufort Grade 12 or above (35m/s or above)
- 设计使用寿命: 50 年
Work life: 50 years
- 工作电压: 三相 380V ± 15%V, 50/60HZ
Power supply: 3-phase 380V ± 15%V, 50/60HZ
- 布帘可选颜色:
Optional colors of fabric: Blue, Yellow, Red, Grey, White, Clear



机库 Hangar



10 机库门 Hangar Door

机库平移大门，是专门为民用机场、军用机场、飞机制造厂等的停机库，设计的特种电动大门。大门为下称重、上导向设计，可分为两组或多组门扇。每个门扇有单独的一套驱动系统，可独立双向移动，自由开启。门体骨架结构为高强度型钢结构，内外表面覆盖外装饰部分。

Hangar Door is specially designed for hangars of civil or military airports and aircraft factories. Top guide rail guides running direction and ground guide rail bears the weight. It may consist of two or more sets of door leaves. Every door leaf has its own driving system and control unit, so it can move separately in two directions. Inside skeleton is high-strength steel structure. Surface is paved with cladding material.

表面为聚氯乙烯布帘材质，内外双层，美观，具有一定隔音性
Surface is PVC fabric, double layer and beautiful.

门体骨架为方管结构，是经严密精准的国际通用钢结构计算设计而成，满足对抗风压的要求

Main skeleton is formed with steel tubes. It is designed through precise structure calculation with universal steel structure software, meeting requirements of wind resistance.

防坠落安全装置，可在钢丝绳意外断裂时，防止门体下坠，保护人员安全

Safety Drop-proof device, can stop falling of door body when the steel wire of motor breaks suddenly, protecting human life under the door.

多重限位控制，确保门的运行精准无误

Multi-limit design guarantees precise running.

点动控制，确保门运行时都有人员在场控制，有效避免人员疏忽导致的事故

Inching control design makes sure there will always be a human operating the door when it runs. This can avoid accidents caused by human-absence.

高安全系数电机和钢丝绳传动，运行可靠

High safety class of motor and steel wire, guarantees reliable operation.



造船业 Shipyard industry



大型机械 Large-scale machinery

多种外装饰板可选

VARIOUS CLADDING MATERIAL FOR OPTIONS

压型彩钢板 Corrugated steel plate

采用优质热镀锌钢板，耐化学腐蚀，屈服强度不低于540Mpa。造价低、强度高、可随意切割，安装简单，免维护，且可根据需要指定颜色，实现建筑整体美观统一。

Painted galvanized steel, with excellent anti-corrosive performance. Yield strength: above 540Mpa. Low cost, High strength, High-machinability, Easy installation, Low maintenance, Customized color harmonizing with overall building style.

聚氨酯夹心板 Polyurethane sandwich panel

双层钢板结构，中间填充无氟环保型聚氨酯发泡材料，密度达43kg/m³，保温、隔音效果好。

Double layer steel, filled with freon-free and environmental friendly PU foam, with density of 43kg/m³. Excellent thermal and noise insulation.

聚碳酸酯阳光板 Polycarbonate sunlight board

新型有机材料，表面覆盖0.5mm厚紫外线保护层；多层设计，隔音系数为22dB，隔热系数为1.4W/m²·℃，透光率达67%。

Newly-developed organic material. Surface is covered with 0.5mm ultraviolet protection layer. Noise insulation: 22db; thermal insulation: 1.4w/m²·℃; light transmittance: 67%

玻璃幕墙 Glass curtain wall

中空玻璃幕墙设计，玻璃幅面占门扇总幅面的比例可达80%以上，透光率高、透视效果好，体现建筑立面的整体美学设计。

Hollow curtain wall structure. Glass accounts 80% or above area of door panel, with high light transmittance and good vision, showing beauty of building.



- 门洞最大尺寸: 宽 20000mm, 高 30000mm
- 门体厚度: 200-800mm
- 开启、关闭速度: 0.15-0.4m/s
- 抗风压: 12 级或以上 (35m/s 或以上)
- 设计使用寿命: 50 年
- 工作电压: 三相 380V ± 15% V, 50/60HZ
- 导热系数: 2.0-2.5W/m²·k
- 工作温度: -30-+60 摄氏度

Max dimension: Wide 20000mm, High 30000mm

Total thickness: 200-800mm

Running speed: 0.15-0.4m/s

Wind resistance: Beaufort Grade 12 or above (35m/s or above)

Work life: 50 years

Power supply: 380V ± 15% V, 50/60HZ

Thermal insulation: 2.0-2.5W/m²·k

Work temperature: -30-+60°C



控制系统 Control system

单控和总控两种方式，可单独控制某个门扇，也可同时控制所有门扇

Both Single control and Total control adopted. The operator can control one single leaf separately or control all leaves at the same time.

PLC变频控制，实现柔和启动、停止，有效保护电机，确保运行平稳

PLC and inverter control can realize soft start and stop, protecting the motor.

集成了多重安全元件，确保人员或物品安全通行

Equip various safety devices to guarantee safe passing of human or objects.



红外安全感应 Photo cell sensor



接触式安全感应 Proximity sensor

安全性能 Safety performance

声光报警 Light And Sound Alarm

红外安全感应 Photo cell sensor

接触式安全感应 Proximity sensor

联动保护 Interlocking design

应急启闭设计 Emergency operation mode

在断电或故障情况下，可释放电机刹车，通过拖车或人力牵引门扇移动，实现应急开门、关门

When there is power failure or other faults, the brake of motor can be released. And then the door can be moved by a trailer or human force, realizing emergency opening or closing.

11

防撞自由门 Traffic Door



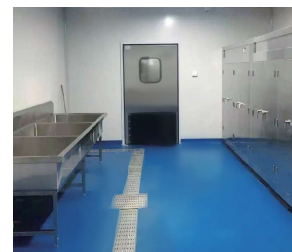
门体厚度为 20-40mm，中间填充高性能保温材料，门板表面为高强度不锈钢板或 ABS 树脂板，具有良好的耐冲击、耐低温、耐高温、耐化学性能和防腐抗潮效果。使得门体可进行有水作业并易于冲洗。自由门门体两侧加装防撞橡胶板。具有坚固，耐冲击，使用寿命长等特点。满足了各种工业环境要求，工作人员可驾驶叉车或推着小车直接轻撞把门打开，使出入极为便捷、高效。自由门广泛用于食品加工、制药、卖场、邮政、超市、仓库的隔离、通道门。

Door panel thickness: 20-40mm. Inside is filled with thermal-insulation material. Surface is high-strength stainless steel or ABS resin plate. With excellent crashworthiness, cold resistance, high-temperature resistance, chemical resistance, and anti-corrosive. It can work under very humid environment and be washed directly with water. Anti-collision rubber plate is installed at bottom of door leaf. The staff can drive forklifts or trolley to hit the door open directly. This improves passing efficiency obviously. Traffic door is widely used in food and drug factories, shopping center, post center, supermarket, and warehouse.

规格尺寸 Sizes

单开门 600 ≤ 宽 ≤ 1200mm, 1800 ≤ 高 ≤ 3000mm
双开门 1200 ≤ 宽 ≤ 3000mm, 1800 ≤ 高 ≤ 3000mm

Single Door 600 ≤ width ≤ 1200mm, 1800 ≤ height ≤ 3000mm
Double Door 1200 ≤ width ≤ 3000mm, 1800 ≤ height ≤ 3000mm



自动复位 Auto-Closing

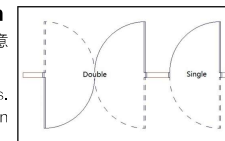
自由门门轴采用偏心轴设计，使门沿门轴心线方向倾斜，从而产生一个和开门方向相反相反的力，从而达到自动复位的目的。

Door axis is special eccentric design. The door body leans along the axis, generating a force reverse with opening direction. Thus the door will close automatically.

双向自由开启 Free Double Acting Design

门扇可向内向外双向自由开启，人员和车辆可从任意方向通行，可大大提高工作效率。

Door leaf can open to both inside and outside directions. Thus staff or vehicles can pass the door very easily in both sides. This can improve the work efficiency a lot.



可视窗 Clear window

便于观察门对面情况避免发生碰撞。采用双层有机玻璃窗材质，符合安全标准，门体长期遭受碰撞条件下也不易于损坏。即使特殊情况下发生损坏，也不会像普通玻璃那样碎裂，避免对人员造成伤害和污染环境。常规尺寸 400*450，窗口形状及尺寸可订制。

The staff can see the opposite side through the window, and avoid crashing accidents when passing the door. Double layer PMMA material, complying with security requirements. It will keep in good condition after long-time frequent crashing. Even if it got broken, it will not break into pieces like regular glass. This can avoid harming human or polluting the environment. Standard size: 400mm*450mm. Shape and sizes can be customized.

双面防撞胶版 Anti-collision rubber plate

弧形设计，具有很好的结构弹性，可耐受高频率撞击，不发生变形、老化

Arc shape with very good structure elasticity. It can endure frequent collisions.



12

冷库门 Cold-storage Door

用于冷藏库、冷冻库、船用冷库、恒温车间等环境。在库内外温差大于 50℃，相对湿度大于 90% 时能起着良好的隔热、密封效果。

Used in all kinds cold storage, cold room and Constant-temperature workshop. It offers excellent thermal insulation and seal in areas with big temperature difference higher than 50℃ and humidity of 90%.

13

水晶卷帘门 Crystal Roller Shutter Door



工作温度: -60°C ~ $+120^{\circ}\text{C}$
Work temperature: -60°C ~ $+120^{\circ}\text{C}$

门板为聚氨酯夹芯钢板, 通过高压发泡机自动灌注氨酯, 整体发泡, 一次成型, 具有更可靠的保温和隔热性能。

Polyurethane sandwich panel, forged at one time with high-pressure foaming machine, with better thermal insulation than traditional panel.

多种门扇厚度可选配 Various thickness of door panel
75mm, 100mm, 150mm, 200mm

可双扇开启或单扇开启
Single or Double leaf design available

手动开启或电动开启, 高强度尼龙滚轮转动平滑易于推拉
Manual or Motorized types available. Nylon wheel sliding smooth and easy for pulling.

良好的密封性 Good seal

门扇与门扇之间, 门扇与墙体之间, 均安装软性EPDM三元乙丙橡胶作为密封, 耐低温、耐化学腐蚀、耐老化

EPDM seal rubber is installed between door leaves and between door leaf and wall. It is of good resistance of cold, chemical and aging.

轨道采用变线式设计, 门到位时, 会自然下落并压紧门楣及地坪; 门开启时会同步离开门楣并上升, 减少了密封条与门楣、地坪的摩擦, 延长了密封条的使用寿命。

Guide rail is modified-line design. When closing, the door leaf will get down and touches the ground closely. At the same time, it will get closer with the wall to close the gaps. When opening, it is reverse. This can reduce the friction of seal rubber with floor and wall, and prolong its work life.

安全性高 High safety

当工作人员误锁在库内时, 只要稍拉动内脱险环, 门即可顺利打开, 从库内脱险, 确保人身安全。

In case the door is locked from outside when some staff is still inside, the door can be easily opened from inside by pulling emergency safety ring. This can protect human life.



大面积采用有机透视玻璃作为门体材料, 透光率高, 视野好, 提升了整体美观效果和审美层次。适用于商场、临街店铺、银行、展厅等对美观、视觉效果要求较高的区域。

Door panel is made from massive fiber glass, with high light transmittance and good vision. It can enhance overall beauty of the building, fit for commercial stores, banks, showrooms, where there is high demand of appearance.

最大尺寸 Max dimension: W120000, H6000

CRSD-ALU

铝合金边框型 Aluminum alloy type

采用高强度6063铝合金作为框架, 嵌入有机高分子透视玻璃, 美观、高档, 坚固耐用, 抗压性强, 可达 285kgf/m^2 。

High-strength 6063 aluminum alloy is adopted as the rim of slats. Fiber glass is inserted into it. Beautiful and High-grade. Wind resistance: 285kgf/m^2

CRSD-SS

不锈钢穿管型 Stainless steel type

有机玻璃片具有特殊筒形圆孔, 将高强度不锈钢圆管穿入圆孔, 实现帘片的连接。门片为加宽设计, 整体采光、透视效果更好。

There are tube holes on the slats. A stainless steel round pipe is put through these holes and connect the slats together. With excellent light transmittance and vision.



广泛应用于生产车间、物流仓库和商用建筑。得益于超大直径扇叶区域,可有效带动大范围的冷热空气循环,达到明显降温效果,有效促进空气循环流通。因此,工业大风扇能改善工作环境,提升工作舒适度,提高工作效率,且维持良好的仓储环境。采用德国诺德一体式减速电机和丹麦丹佛斯变频控制系统,运行平稳、故障率低且寿命长,避免了高空维护的繁琐工作。

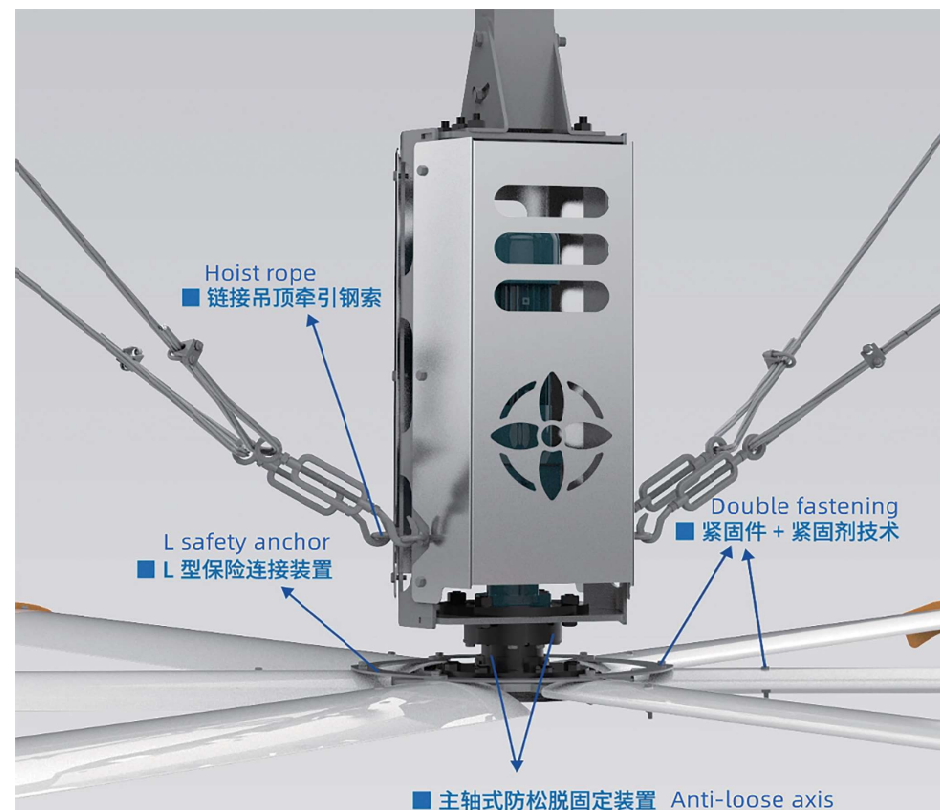
Widely used in factories, warehouses and commercial buildings. Thanks to the ultra-large diameter fan blade, it can effectively drive a large range of hot and cold air circulation, achieve a significant cooling effect, and effectively promote air circulation. Therefore, it can improve the working environment, enhance working comfort, improve work efficiency, and maintain a good storage environment. Adopting German Nord brand motor and Denmark Danfoss brand frequency control system, guarantees stable running, low failure rate and long service life, avoiding the tedious work of high-altitude maintenance.

● 直径:4.9M, 6.1M, 7.3M

DIAMETER: 4.9M, 6.1M, 7.3M

工业大风扇

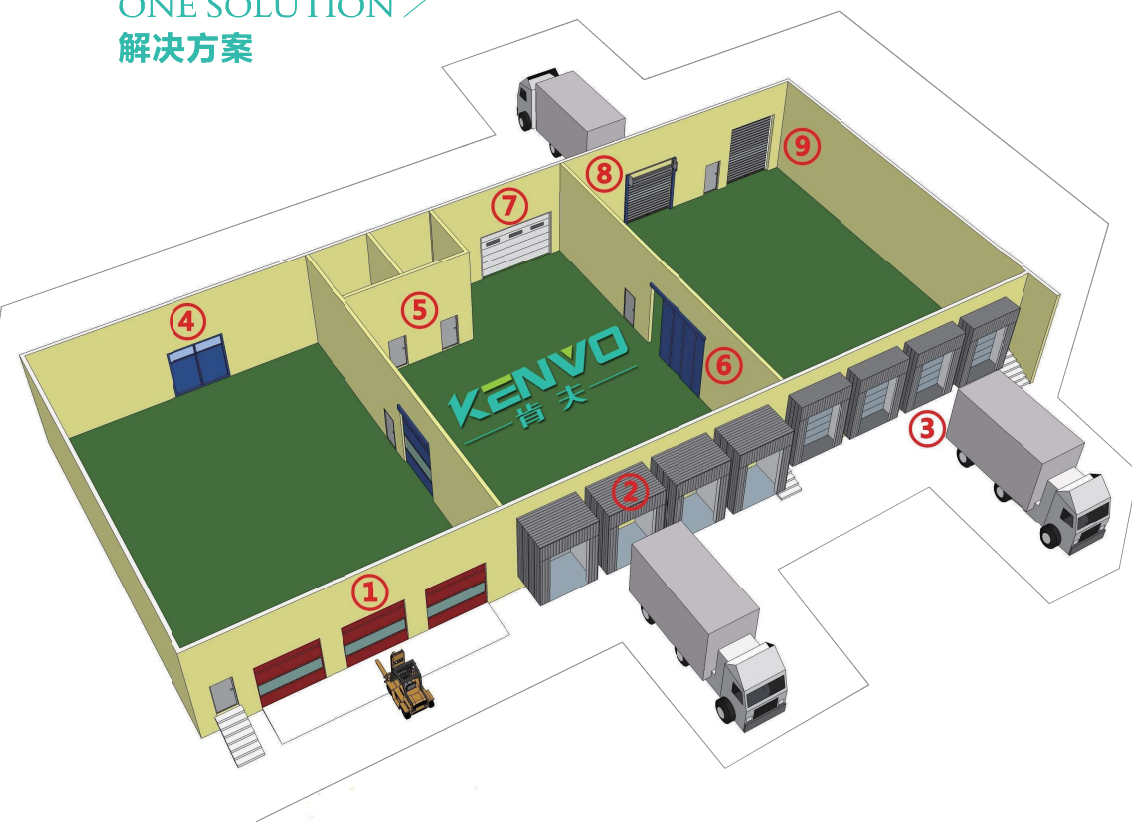
INDUSTRIAL HVLS CEILING FAN



03

ALL-IN-ONE SOLUTION 解决方案

- ① 快速卷帘门 Rapid Roller Door
- ② 门封 Dock Shelter
- ③ 装卸平台 Dock Leveler
- ④ 双开钢质门 Double Steel Door
- ⑤ 单开防火钢质门 Single Fire Door
- ⑥ 平移门 Sliding Door
- ⑦ 滑升门 Sectional Door
- ⑧ 铝合金硬质快速门 Aluminum Rapid Roller Door
- ⑨ 电动卷帘门 Roller Shutter Door



针对工业厂房中的不同区域,我们提供特定的门类产品,满足该区域的实际需求,使得工厂运营效率更高、效益更大。

For different areas of an industrial building, we offer customized specific type of doors, to meet special need at this location, improving overall work efficiency of the factory.

04

PROJECT CASES

PROJECT CASES

PROJECT CASES 工程案例

客户Clients	地址Address	门种类Door Type	行业Industry
 万向集团 WANXIANG GROUP	杭州 Hangzhou	铝合金硬质快速门 Aluminum Rapid Roller Door	汽车配件制造 Car industry
 CHNT 正泰	乐清 Leqing	快速卷帘门 Rapid Roller Door	电子 Electronics
 同洲电子 COSHIP ELECTRONICS	深圳 Shenzhen	快速卷帘门、防火门 Rapid Roller Door, Fire Door	电子 Electronics
 沙钢集团 SHAGANG GROUP	张家港 Zhangjiagang	快速卷帘门 Roller Shutter Door	冶金 Steel
 Midea®	芜湖 Wuhu	工业滑升门 Sectional Door	电器 Electrical equipment
 南通三建	武汉 Wuhan	防火门、防火卷帘门 Fire Door, Fire Roller Shutter Door	建筑 Construction
 Schneider Electric	天津 Tianjin	平移门 Sliding Door	电子 Electronics
 3M	上海 Shanghai	快速卷帘门 Rapid Roller Door	化工 Chemical
 AstraZeneca 阿斯利康	上海 Shanghai	快速卷帘门 Rapid Roller Door	制药 Pharmaceutical

客户Clients	地址Address	门种类Door Type	行业Industry
	苏州 Suzhou	快速卷帘门 Roller Shutter Door	电子 Electronics
	上海 Shanghai	滑升门、装卸平台、门罩 Sectional Door, Dock Leveler, Dock Shelter	仓储物流 Logistics
	上海 Shanghai	快速卷帘门 Rapid Roller Door	制药 Chemical
	上海 Shanghai	快速卷帘门 Rapid Roller Door	制药 Chemical
	上海 Shanghai	滑升门、防火门 Sectional Door, Fire Door	机械制造 Machinery
	合肥 Hefei	防火卷帘门 Fire Roller Shutter Door	商场超市 Store
	上海 Shanghai	冷库门 Cold-storage Door	食品 Food
	上海 Shanghai	快速卷帘门 Rapid Roller Door	电子 Electronics
	上海 Shanghai	平移门 Sliding Door	机械制造 Machinery
	郑州 Zhengzhou	防撞自由门、冷库门 Traffic Door, Cold-storage Door	食品 Food
	上海 Shanghai	快速卷帘门 Rapid Roller Door	化工 Chemical
	西安 Xian	快速卷帘门 Rapid Roller Door	制药 Chemical
	上海 Shanghai	工业滑升门 Sectional Door	机械制造 Machinery
	北京 Beijing	防撞自由门 Traffic Door	制药 Chemical
	合肥 Hefei	快速卷帘门 Rapid Roller Door	化工 Chemical
	东营 Dongying	防火卷帘门 Fire Roller Shutter Door	房地产 Real estate

客户Clients	地址Address	门种类Door Type	行业Industry
	上海 Shanghai	快速卷帘门 Roller Shutter Door	化工 Chemical
	无锡 Wuxi	快速卷帘门、滑升门 Rapid Roller Door, Sectional Door	电器 Electrical equipment
	大连 Dalian	快速门、防火门 Rapid Roller Door, Fire Door	制药 Chemical
	青岛 Qingdao	平移门 Sliding Door	电器 Electrical equipment
	上海 Shanghai	防火门 Fire Door	房地产 Real estate
	苏州 Suzhou	滑升门 Sectional Door	电子 Electronics
	沈阳 Shenyang	铝合金硬质快速门 Aluminum Rapid Roller Door	汽车制造 Car industry
	上海 Shanghai	快速卷帘门、防撞自由门 Rapid Roller Door, Traffic Door	食品 Food
	无锡 Wuxi	快速卷帘门、钢质门 Rapid Roller Door, Steel Door	电子 Electronics
	无锡 Wuxi	防火卷帘门 Fire Roller Shutter Door	商场超市 Store
	印尼 Indonesia	柔性大门 PVC Mega Lifting Door	机械制造 Machinery
	上海 Shanghai	快速卷帘门 Rapid Roller Door	电器 Electrical equipment
	徐州 Xuzhou	电动卷帘门、防火门 Roller Shutter Door, Fire Door	机械制造 Machinery
	上海 Shanghai	铝合金硬质快速门 Aluminum Rapid Roller Door	汽车制造 Car industry