

# Automatic Entrance Specialists



## SPACE Automatic Door Series

- for light/medium/heavy applications

Automatic sliding door for pedestrian entrances and industrial application



## Why use an automatic door?

The automatic, contact free opening of automatic doors does away with the struggle associated with opening a heavy manual door. The smoothness of the closing and opening motion provides a sense of well being and security.

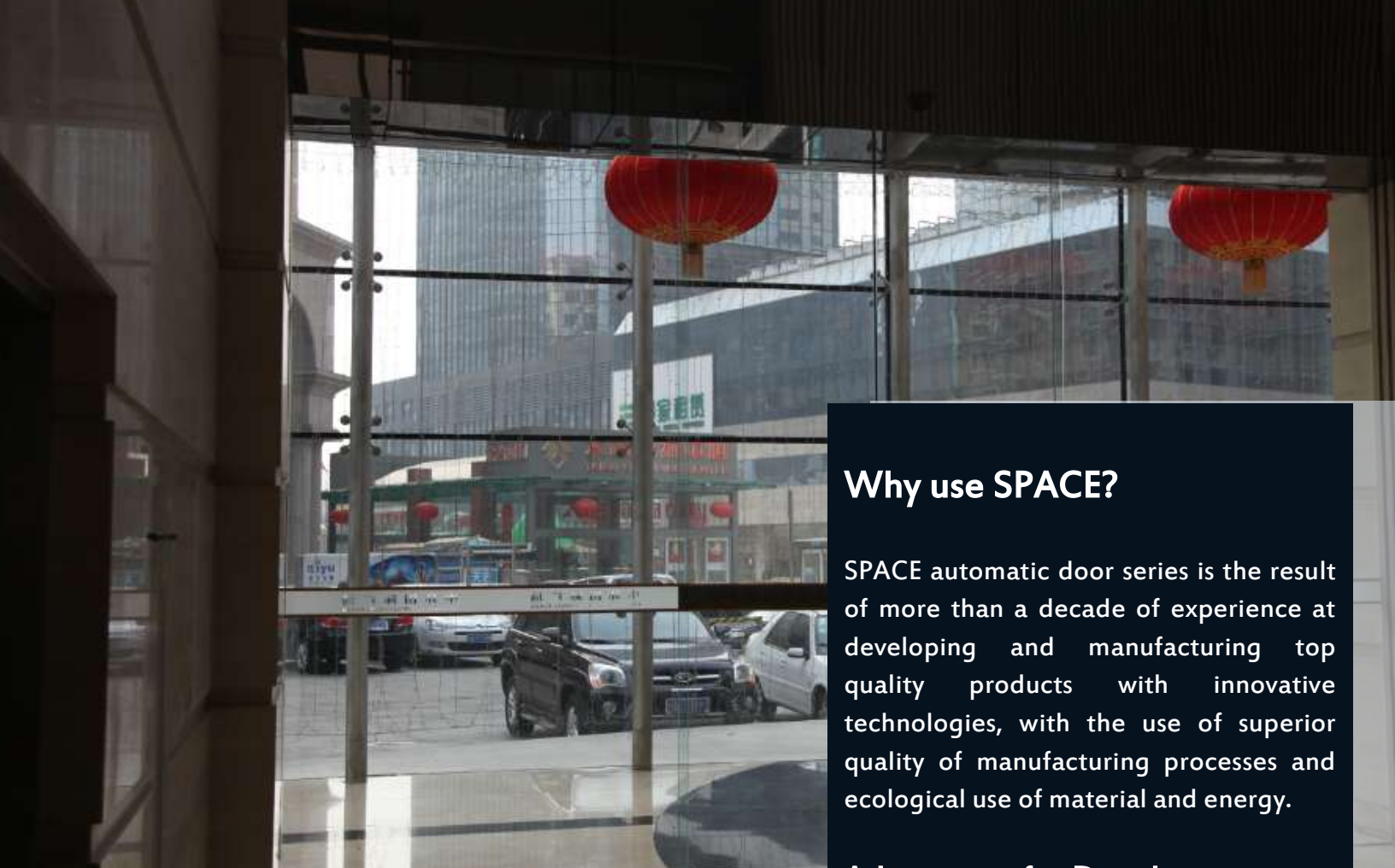
### Main benefits of automatic door

- High convenience
- Higher safety/security
- Visually attractive
- Improve access to your business
- Invite people to enter
- Energy saving
- Uninterrupted performance
- Reduce climate control costs
- Easy access for elderly and disabled

SPACE automatic door series is suitable for all public or private buildings, inside or out, where convenience, corporate image and a welcoming entrance are important priorities. It is extremely versatile and suitable for single leaf or double leaf doors. SPACE automatic door series is suitable for;

- commercial buildings
- public buildings
- industrial buildings
- hotels and restaurants
- banks and educational institutions
- private home
- administration buildings
- airport, railway and bus stations
- shop fittings and shopping malls
- interior offices
- Subways/Underground





SPACE automatic sliding doors series fulfils the concept of reduced-to-the-maximum, without cutting corners where quality and reliability are concerned. With weight of up to 180kg per leaf, it offers maximum performance at affordable price. The series is designed with appropriate quality agreeing with current international standards and directives

#### **ADVANCED PRODUCT BENEFITS**

- Economical Price
- High Quality/Absolute Reliability
- Simple Design
- Low Maintenance
- Low Cost of Ownership
- Easy Installation
- Operating Safety
- Versatile
- Energy Saving
- Extremely Long Life Cycle
- Intelligent

## **Why use SPACE?**

SPACE automatic door series is the result of more than a decade of experience at developing and manufacturing top quality products with innovative technologies, with the use of superior quality of manufacturing processes and ecological use of material and energy.

## **Advantages for Distributor**

- Prompt delivery period
- Competitive Price
- Wide range of uses
- Unlimited technical assistance
- Great flexibility & OEM capacity

## **Advantages for Installer**

- Simple and practical installation
- Many possible assemblies
- Quick electric installation
- Easy to set and program

## **Advantages for customer**

- Safe and reliable
- Low cost of ownership
- Competitive Price
- Quality assured
- Many control factions
- Better price/performance ratio

## Economical Price

SPACE automatic door series come with competitive price without sacrificing quality. This is because we are the only manufacturer of automatic doors in China that develops and manufactures all the hardware and the software found on our automatic door in one factory. This way we are able to produce quality and reliable parts for a price that is extremely competitive.

## High Quality-Absolute Reliability

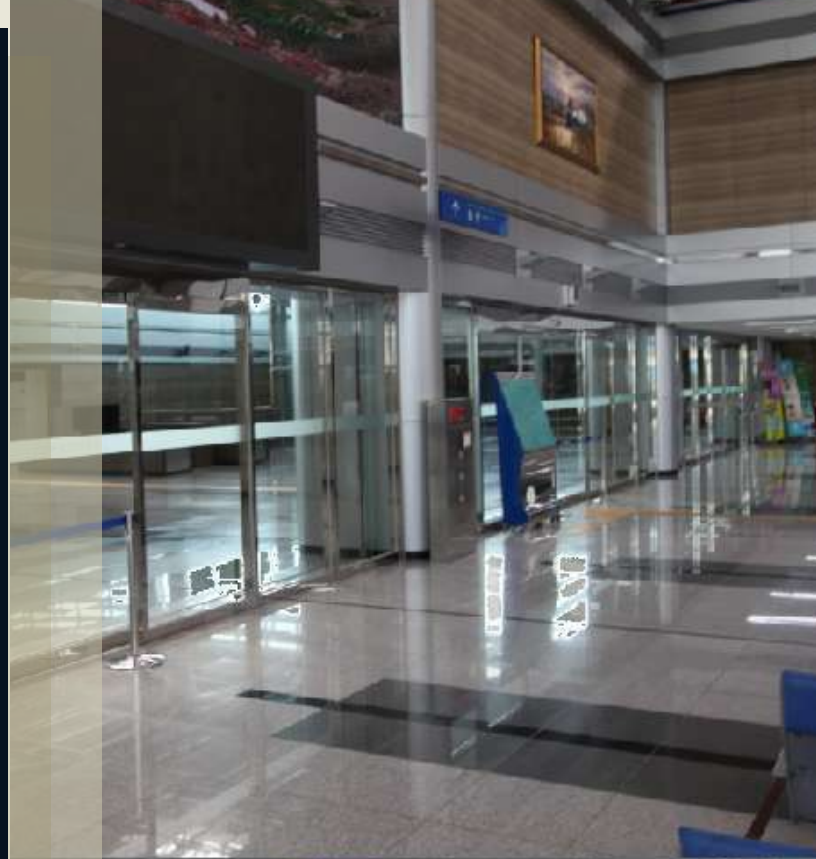
Every single part fulfills the highest quality requirements and is subject to tough tests before leaving our premises. This, coupled with the fact the most parts are manufactured using advanced machines limiting the use for manual labour, helps us guarantee reliable and precise operation with long service life and lower total cost of ownership

## Simple Design

SPACE automatic door series allows for total creative freedom. The solid construction of the system and its simple design makes it extremely functional whilst making it suitable for new or existing architecture.

## Low Maintenance-Cost of Ownership

The low maintenance character derives from the clearly designed and developed system with easily accessible components, convenient maintenance due to easily removable parts, easily accessible terminal strips and maintenance free motor, gears and tooth belt.



## Easy Installation

Automatic doors are often a problem for builders and erectors. Difficult and timely hardware installation is one of the main problems with traditional automatic door systems. Simple and careful design together with plug and play concept means that all SPACE automatic door series can be installed much faster than other systems, saving time and money for installers.

## Operating Safety

The door operation is extremely safe, even when user frequency is at its most, with features such as sensitive driving behavior, automatic obstruction detection, reverse operation, closing force monitoring system, etc.

## Versatile

It is suitable for application on glass, metals doors and timber. It is suitable for all buildings, inside or out, and it is able to withstand many weather conditions such as heat, cold and humidity.



## Energy Saving

Not only does our door effectively reduce wasted energy in ways that automatic doors do, it goes beyond this. SPACE automatic door series optimizes energy saving consumptions, thanks to energy saving and smart control board, which significantly lowers the cost of ownership.

## Extremely long life cycle

SPACE automatic door series have extremely long life cycle, which is a result of only using proven components and quality assured manufacturing processes. There will be less need for product transition and any hardware or software updates, thus significantly lower cost of ownership

## Intelligent

SPACE automatic door series feature a compact controller, with automatic adjustment and self learning for optimum dynamic operating performance which offers many features, such as; obstacle detection, locking pressure, testing of operating elements, weight and patch measurement, dynamic power limitations, etc.



# SPACE SP-280 Automatic Sliding Door Mechanism

SPACE SP-280

**Performance**

Leaf weight	1 x 180kg single leaf / 2 x 140kg double leaf
Opening speed	max. 0.8 m/s
Closing speed	max. 0.8 m/s
Opening force	10 to 150 N (adjustable)
Closing force	10 to 150 N (adjustable)
Hold open time	1 to 5 sec

**Mechanical**

Installation	Surface Applied/Between walls/ Against Posts
Structure	Aluminium
Casing	With cover 170H x 110W Without cover 150H x 110W
Clear opening	700 – 3000 mm single leaf 900 – 3000 mm double leaf
Clearance height	max. 3100 mm

**Electrical**

Power supply	AC 220V 5A 50Hz / AC 110V 60Hz
External power supply	24 V DC / 2A
Power Consumption	80W
Sensor power	DC24V
Temperature range	-10 to +50 C
Relative humidity	5 to 95%

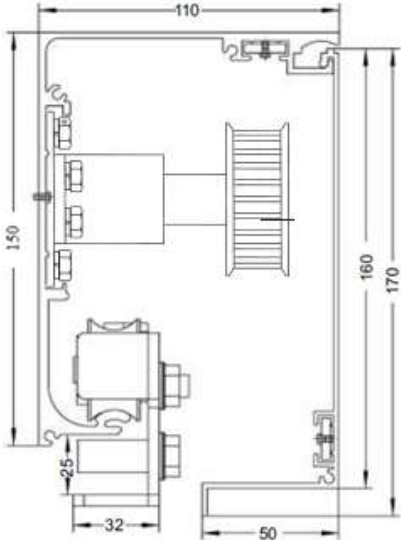
**Function Programs**

Off
Automatic
Permanent Open
Half Open/Partial Opening
Locked

**Emergency Functions**

Emergency opening in case of power failure
Obstacle detection with automatic return mechanism
Self monitoring light barriers
Slow speed search for obstruction

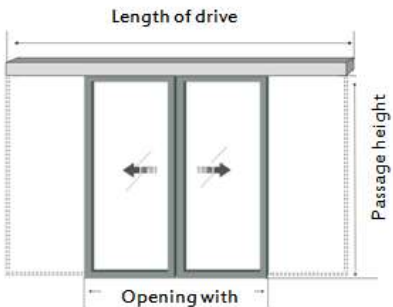
Please contact our advisors if you have any enquiries regarding this system or need advice for your particular opening needs.



Sliding Door System



Opening with



Opening with

SPACE automatic door series has versatile design which allows for flexible and universal application. This series offers solution for different environments and architectures as it is available in numerous variants. They are all convenient, reliable, silent and safe.

### SPACE SPC-280

Automatic Telescopic Sliding Door

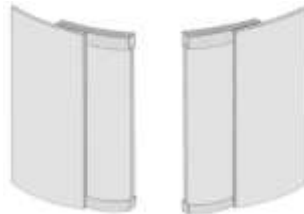


Space saving automatic telescopic door is an ideal solution where large opening is required with minimum space available. SPACE SPC-280 uses the whole rail instead of traditional double rails, and adopts steel wire and transmission pulley as a linkage system. This makes installation faster and more convenient.

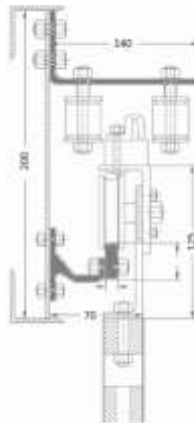


### SPACE SPH-280

Automatic Curved Sliding Door



Thanks to its clever design, SPACE-SPH-280 automatic curved sliding door gives the entrances of any building that special touch and is an ideal solution for more compact and elegant entrance. The doors can be designed as outward or inward curved semi-circles and segments and can be curved on the installation site.

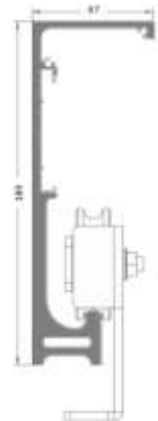


### SPACE SPZ-280

Automatic Heavy Duty Sliding Door



SPACE SPZ-280 heavy duty sliding door adopts powerful motor with strengthened accessories which allow it to bear door leaves of up to 400kg. SPZ-280 is designed with the notion of high performance, convenience and ease of installation.



## 1 Motor

High quality, high performance, high accuracy DC motor offers strong permissible torque and instantaneous reversing characteristics with low noise, long life and reliable performance.



## 2. Encoder

Carefully designed and manufactured encoder connected to the motor provides accurate feedback to the control system corresponding to the motor's speed and direction, allowing for precise speed detection, speed control and positioning of door parts.



## 2. Gearbox

Ideal combination and precise positioning of case hardened alloy steel worm with a phosphor bronze gear provides large torque, low friction, higher strength and locking force of up to 150kg.



## 3 Control System

Installed in a compact protective housing, with automatic adjustment and self-learning for optimum dynamic operating performance of the door. Here is an example of some of the many features of SPACE Microprocessor Control System;

- Obstacle detection with automatic return mechanism
- Locking Pressure
- Testing of operating elements
- Weight and path measurement
- Dynamic power limitation
- End-point positioning





#### 4 Door Hanging System

Adjustable door hanging system suitable for light/medium door frames or frameless glass panels. Further allows compensation for structural tolerances and adjustable door wing suspension with height and lateral adjustment to +/- 10mm.



#### 5 Running Carriage Wheel

The running carriage incorporates a high grade urethane plastic covered roller with a covered bearing. Together this combination provides extremely quiet, smooth and reliable operation, even with heavier doors.



#### 6 Belt Drive

Microfiber re-enforced toothed belt tested to operate quietly in extreme temperatures for millions of cycles. The belt optimization uses less material and reduces belt slag, lowering maintenance costs with high tensile strength for enhanced security and integrated locking function.



#### 7. Motion Sensor

Employs sophisticated motion tracking technology with high sensitivity to slow moving individuals and with wide range of detection, complying with USA ANSI-A156-10-2005 / 8.1 General Requirements for Sensors. It has high flexibility of sensing field adjustment allowing the activation pattern to be positioned precisely where it needs to be and at the same time it is extremely easy to use and install.



#### 8. Track and Cover

Precisely manufactured aluminum track maintains smooth and linear motion of the automatic door whilst the cover provides a sleek and attractive finish



## SPACE Automatic Door Series



Our factory is based in Qingdao High Tech Industrial Zone, which has over the last decade experienced significant foreign investment. As a result, we benefit from “around the corner” access to the latest advancements in production equipment and electronic technology.

Our factory boasts a largest range of machines such as laser cutting, laser engraving, pick and place machine and many more.



Service, Technology and Design



For further documents and assistance on individual systems, please contact us. We will be glad to supply any further information that you may need.

We further offer help in advising which system is suitable for your particular application and any other queries that you may have. We offer this service prior to, during and after purchase.

All your enquiries will receive our prompt and careful attention.



## Automatic Door Series

We invite you to visit our company

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