



Automatic door system

# TS Series

Automatic Telescopic  
Sliding Door Solution



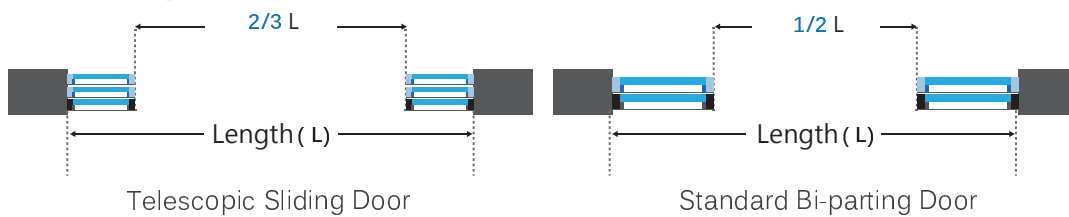


### TELESCOPIC SLIDING DOOR

#### Unprecedented entrance design

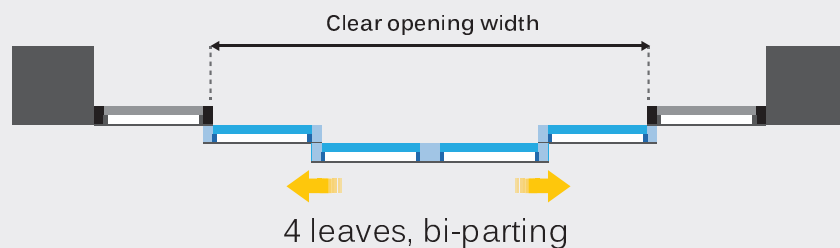
Telescopic Sliding door gives more than 30% opening width in comparison to a standard bi-parting door. It allows the door system with maximum passage with minimum space requirements. TS series possesses faster opening, low-noise operation, extremely smooth and quiet movement to let TS series not only aesthetical pleasing but also functional.

#### Providing wider entrance space

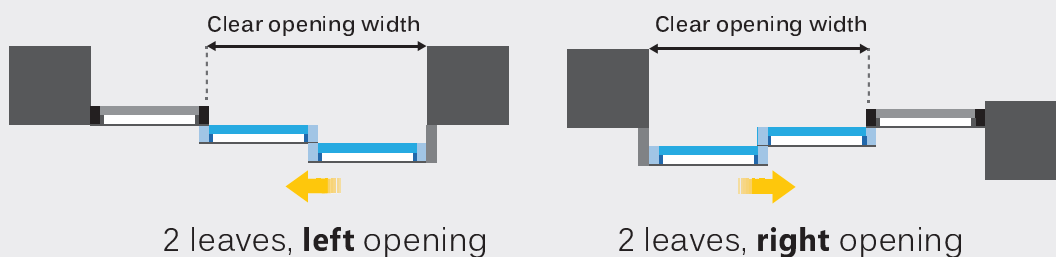


#### TS Series Type

##### Bi-parting ( TS-B )



##### Single way ( TS-S )



## On the Basis of Human Beings and Up to Durability

### Various Convenient Door Opening and Closing Program Settings

To achieve door functions security, privacy, health and convenience, TS SERIES can be set to various door leaf functions through program selector easily according to user preference.

### Intimate Design for Power Supply System

In conjunction with intelligent CS auto control system, TS series adopt high efficiency changeable power supply unit which can input voltage 110V-220VAC and provide extra power source 12VDC/1.5A and 24 VDC/1A to satisfy surrounding electrical requirements of other electrical appliances and no need to purchase extra power supply to save cost and space.

### Tiny But Ingenious, High Efficiency, Environmental Protection DC BRUSHLESS MOTOR

TS series use high efficiency DC magnetic brushless motor which developed and researched by ourselves with tiny volume, high rotational speed, low electricity consumption and won't give out heat under the temperature 50 degrees centigrade. It runs quietly and possesses the functions of overloading protection and automatic restoration.

## APPLICATION

TS series is well suited to representative entrance, hotel, restaurant, hospital, bespoke fashion store and special retail outlet.



### Self-Monitoring

Innovative micro controller come with built in self monitoring ability, can detect door leaves operating status and corresponding signal. If door leaves out of order during its operation, micro controller will react via signal window display or emit relevant alarm sound, to remind maintenance staff to check door leaves current status, and adopt relevant measurement to ensure safe operation.

### Learning Itself

The system can do logic operation automatically according to the weight of door leaves and factors of the scene after switching on. It can operate itself automatically and no need extra man-made set-up. This systems will also judge itself automatically to see if in abnormal situations or to reveal alarm signals according to the figures of starting operation for door leaves.

# EASY INSTALLATION, EASY MAINTENANCE

In order to present the most valuable characteristic and creative innovation, Tronco combine most idea functions in TS series, all structure parts design has been considered to provide elegant, noiseless movement and harmoniously coordinated speeds. In order to make installation and maintenance more convenient, all structure parts combination has been simplified. This way can not only provide easy installation but also avoid related overhaul due to complex structure parts afterward.

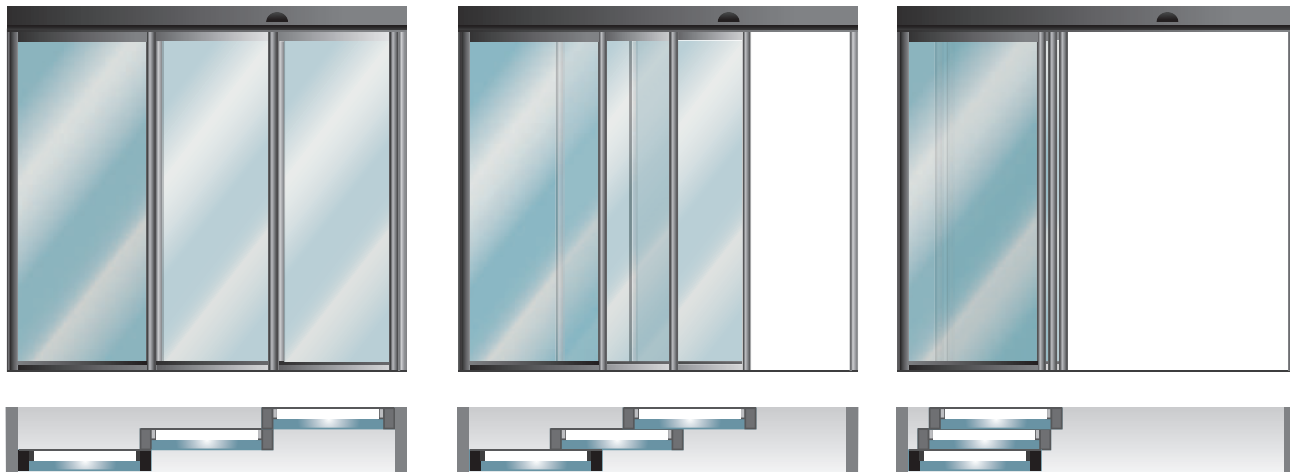
## Design

Provide drive device, controller, transmission system or selective purchase on electric lock and emergency device, these devices can provide appropriate logical signal to support each other, drive device uses toothed belt transmission for precise movement. With high quality material of Rail, hardware and wheel, the whole system operation provide perfect smooth and quiet movement.

## Full accessories, modular, speedy installation and easy maintenance

All components for TS series are modular. It makes the installation and overhaul more convenient. In addition, the LED display is for your visual inspection when there is a breakdown.

## Automatic Telescopic Sliding Door Working Process



Door leaves are in **fully-closed** status

Door leaves are in **opening** status

Door leaves are in **fully-opened** status



## PERFECT SAFETY PROTECTION

At Tronco, we take quality seriously. Our product comply with all related safety standards and regulations.

Safety is the main concern with any type of door systems all the time. To make use of intelligent safety sensors takes away the worry of collisions.

In order to let passenger pass through safely during door closing, safety beam will be installed in both side leaf to detect if there is any object. In addition, the 2nd tier protection is CS control system will have door leaves reverse immediately when door leaves struck foreign body during door opening or closing respectively, the system will then slowly check their path to ensure without obstacle after which they will return to their normal speed.

Furthermore, TS door leaves set up functions can be used as an escape route in general emergency situation.

### The best protection of hygiene and health

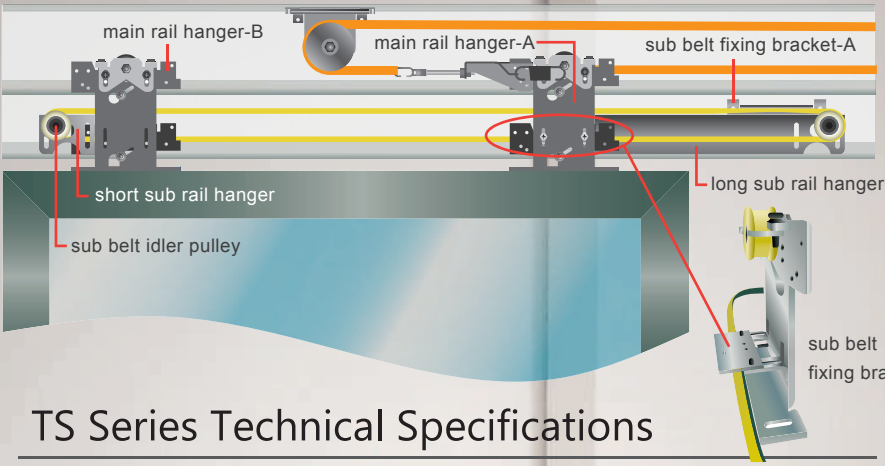
Infectious diseases are more and more formidable and easy to infect in the present generation. To make use of automatic door systems can avoid being infected with touching and diseases spread out.



### Peripheral

TS series can collocate with relevant door access control product to provide safer protection. It also can apply extra control module to improve automatic door activity and overall control function. Furthermore, TS series can collocate with emergency switch or fire alarm device to enable door leaves normal opening and closing during emergency condition

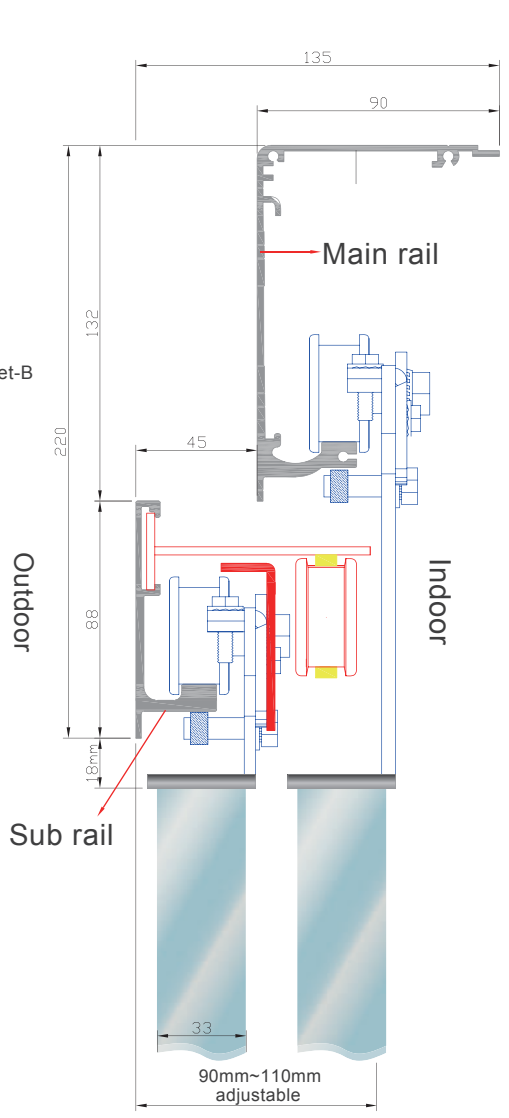
TS Series operator diagram



TS Series Technical Specifications

Feature	Data
Opening width single (2 leaves)	1000 – 3000 mm
Opening width bi-parting (4 leaves)	2000 – 4000 mm
Door leaf weight 2 leaves	Max: 2*80kg
Door leaf weight 4 leaves	Max: 4*70kg
Opening speed	0.7 m/s
Closing speed	0.4 m/s
Passage size	<3000 mm
Section space	250mm*150mm (H*D)
Hold open time	0-60s
Power input	110V/220VAC 50/60Hz
Power supply	100W
Output power	DC12V/1.5A DC24V/1A
Motor	Brushless DC electric motor
Motor rated wattage	40~60W
Level of protection	IP20
Ambient temperature	-20°C~+45°C

TS Series operator sectional drawing



QUALITY & CERTIFICATION

High Quality



Tronco, taking quality seriously. Quality of our employees, the materials we use, the quality of our partners as well as the quality of all Tronco products.

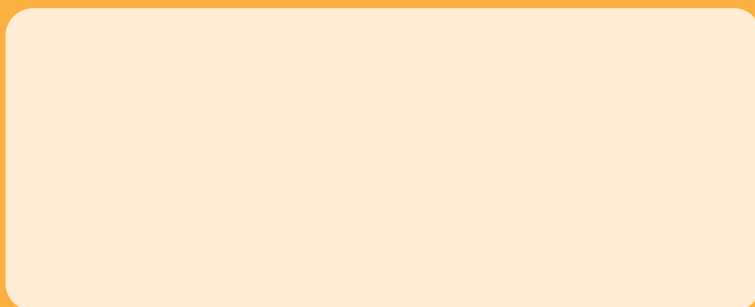
Whether you opt for a merely functional product or for classic elegance with ultimate functions, Tronco automatic doors always offer you a high degree of safety and comfort while ensuring an unobstructed pedestrian flow and satisfying diversified architectural design requirements.



**TRONCO**

The More Invention, The More Pleasing

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