

+ Types of sliding automatic doors

















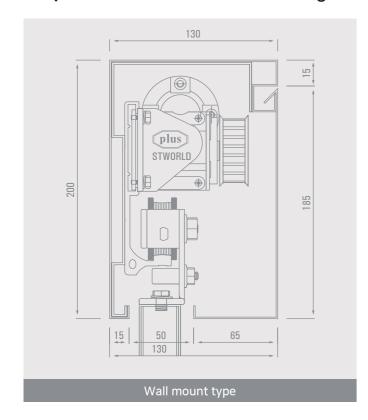
handicapped toilet

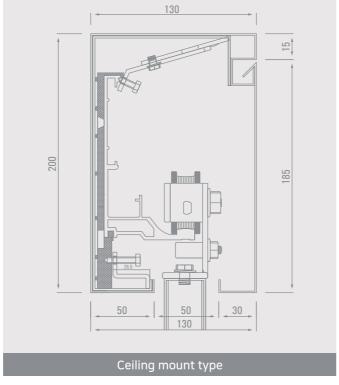
Telescopic

Clean Room

Smooth Door

+ Operator Box Production bending





AUTO DOORS



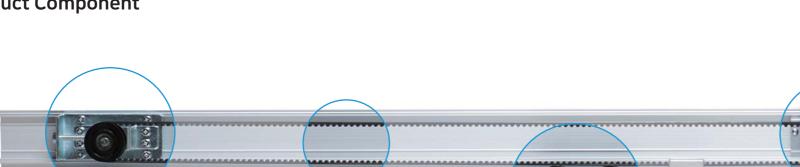


Automatic Door Operator

ST-N Series

(ST-N10, ST-N15, ST-N20, ST-N25, ST-N50)

+ Product Component





Pulley

Function - One axis of the belt.

Adjust belt tension.



Timing belt

Function - Moves the door directly by the force generated from the motor.

Features - Tooth type engaged with pulley.
Prevents malfuction due to slip.

Hanger roller

Function - The role to hold the door.

Features - Adjust horizontal, vertical

and height the door.

Stable operation due to 2-wheelPrevent the door from derailment

Motor

Function - Moves the door by converting electrical energy into kinetic energy.

Features - Brush type. - 100W power

Registered ISO 9001:2000



Controller

Function - Control various function of automatic door

Features - SMPS power circuit with 180W moment maximum power.

- Use of LED to check the status of automatic door

- Use 32-bit MICOM



Guide roller

Function - Prevent the door from derailment.

Features - Adjust width depeding on the thickness of the door.



Stopper & On/off switch

Function - Adjust door moving distance

- Power switch function

Features - Stopper and on/off switch integrated type.

+ Product Features

Convenience	 Easy to install and reduces installation time Easy to connect the upper sensor, safety sensor, etc. by using press type. 2 FNDs and 5 LEDs make it easy to check the status of automatic door and to operate. 	Efficiency	 Using high performance DC motor, high speed and continuous operation are possible. Remember the opening distance. (Avoid unnecessary test run when power on)
Safety	 In the event of a collision with something, the door reopens for safety On 4 consecutive collisions at the same point, the door doesn't close for 1 minute. Side screen safety function. Adjust opening and closing speed 2-wheel hanger roller ensures stable operation even on heavy doors. 	Functionality	 By adopting 32-bit MICOM based on ARM-Core, it is possible to implement various functions and precise control of minute details. Push and Go function can be used without sensors depending on site conditions. One-way, two-way and one-touch function can be use Counting function (opening number, collision number, power-on number Can check traffice volume
Reliability	- Various certificates. (ISO9001, CE, 3 million cycling test, etc.) - A dedicated IC was used for the device for driving the motor to lower the heat generation temperature it.		

+ Product Specifications

Model	ST-N Series		
Door weight	Max. 180kg x 1	Max. 160kg x 2	
Moving distance	500 ~ 3,000mm	1,000 ~ 6,000mm	
Power supply	AC220V (176~242V), SMPS type, AC Current: 0.7A, Frequency: 50/60 Hz, Peak power: 150W		
Control	PI (Proportional Integrate) Control		
Motor	100W, DC Motor (DC-24V), Germany		
Opening speed 135mm/sec ~ 550mm/sec		~ 550mm/sec	
Closing speed	75mm/sec ~ 350mm/sec		
Opened hold time	Max. 99 seconds.		
Push and Go	Possible		