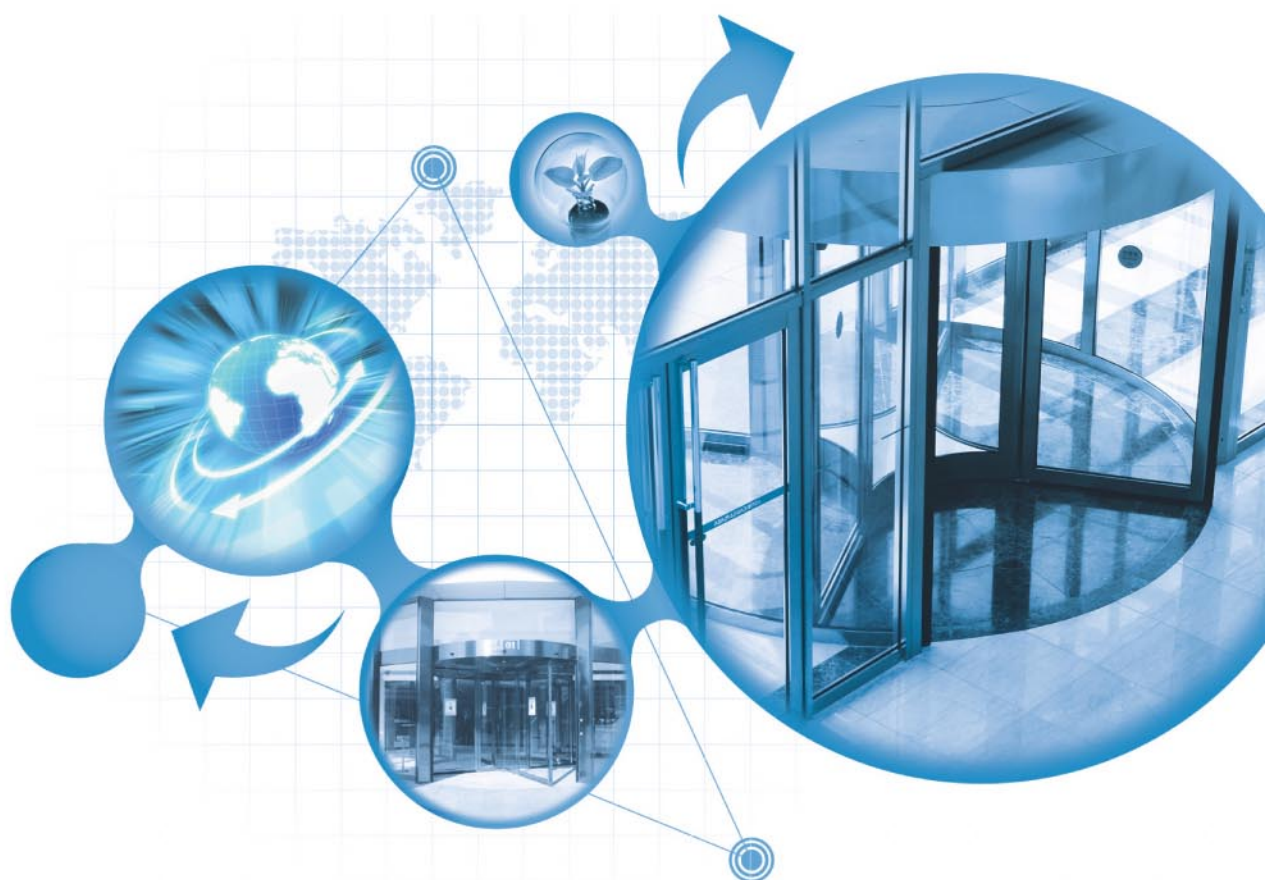


Revolving Door System

Automatic / Manual Revolving door



THE BEST AUTODOOR OPERATOR

Reference Site

Yongsan Station I Park Mall revolving door
Mapo Daewoo Metro Dovill revolving door
Hanmi Pharmaceutical Co. revolving door
Hyundai Namyang Laboratory revolving door
Ansan Starmax revolving door
Jamsil Lotte Castle APT revolving door
Limkwang Engineering & Construction revolving door

Silla Hotel Revolving door
Mapo SK Hub revolving door
Shinchon Co-op Residence revolving door
Samsungdong Staria building revolving door
The bank of Korea headquarter revolving door
Daegu Public Prosecutor's Office revolving door
Daegu KT building revolving door
Bundang SK U-tower revolving door
Yuhan-Kimberly Yongin Laboratory revolving door
S-Tower revolving door
Korea Trade Insurance Corporation revolving door
Seoul City Hall Outhouse revolving door
Tehran Tower revolving door
Daewoo Foundation Building revolving door
New Seoul Building revolving door

Yunkang Hall revolving door
Headquarter of Korea Exchange Bank revolving door
LTower revolving door
Korea Line Corporation Building revolving door
Mapo Lotte Castle revolving door
Song Island POSCO revolving door
Daeyungak revolving door
Joongang Newspaper Building revolving door
Jungdok Library revolving door
Seoul Square revolving door
Mapo Shinhan Bank revolving door
CJ Sangam Media Tower revolving door
Asia Media Tower revolving door
Dawoo Technical Building revolving door
Kori Nuclear Power Site revolving door
Busan Chosun Hotel revolving door
Jungdong Building revolving door





Revolving Door System



Why, revolving door?

| Maintain a pleasant environment inside the building

It makes comfortable environment inside the building especially lobby as reducing the amount of air flow.

Because the amount of air flow are affected factor of ventilation and airconditioning, reducing the amount of air flow is important for efficient heating and cooling plan. In case installed revolving door in the test that is set up -22°C on the outside temperature and 22°C on the inside temperature, the amount of air flow in the lobby are 35% reduced than normal swing door installed and totally 5% reduced in the whole building.

| Saving air-conditioning and heating costs

As revolving door always makes isolated inside air from outside air, it can have an effect to reduce cooling and heating costs over 20% in the winter and summer.

| Use of spacious lobby space

Can eliminate the vestibule, entrance hall and lobby are available more widely.

| Lead smooth passage

Because of constant incoming and outgoing direction, it can improve the efficiency of passage in the large building.

| Synergistic effect of the visual image and the value of the building

The entrance has influence on the first impression of the building. The dignity and the worth of building can rise with beauty of this gorgeous curve.




05

11

01

09






10

No.	Name	Function
	Operating system	Auto Revolving System – Mode 1: stop ▶ walking speed ▶ stop – Mode 2: slow speed ▶ walking speed ▶ slow speed – Mode 3: walking speed
01	Drum	Canopy. Minimum height size is 200mm. Operating devices, control box, sensor, etc. in the drum.
02	Curved wall	10mm curved glass
03	Door	Composed of frame, 8mm tempered glass and wind protect.
04	Post safety bumper	Revolving door will be stopped when pedestrians or obstacles are put between rotating door and post.
	Hinge	Composed of housing, cover, and bearing.
05	Motion sensor	 Install inside and outside, detective pedestrian's entrance.
06	Emergency stop switch	 Button is pressed, the door will stop. It is used for emergency case.
07	Handicapped switch	 Button is pressed, the door will rotate slowly. It is used for handicapped or old person.

Revolving Door System



[잠실롯데캐슬 D4200]

No.	Name	Function
08	Anti-jammed device	The door will stop when entering the distance between door and post is less than 40cm.
09	Door anti-bumping device (top)	 The door will stop when rotating door is approaching behind pedestrian within safety distance.
10	Door anti-bumping device (bottom)	 The door will stop when rotating door is bumping pedestrian's heel.
	Door folding device	 If the door folded by bumping, the door will stop. And rotating again if the door is recovering position.
	Emergency open device	 When fire or emergency, door can be folded in both direction, so it is easy to emergency escape or clean. Adjustable folding strength.
11	Lighting	 It is convenient to pass in the night time as installed lighting in the revolving door.
	Self-diagnostic error function	When an error occurs, it displays LCD panel.

01. STAR100 - 3W, 4W

3-wing, 4-wing manual revolving door

Manual revolving door that is operated by hand. As there is speed control device, so pedestrian can pass safely. And it is convenient to use revolving door as regular positioning device.



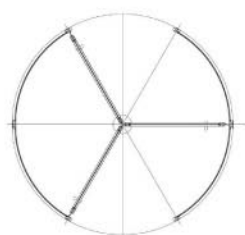
[Samsung-dong Stardia (D2300)]



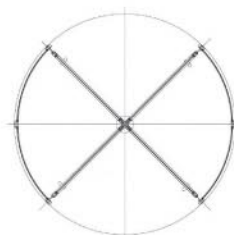
[Shinchon Co-op Residence (D2400)]



[Mapo SK Hub (D2600)]








< STAR100 - 3W >



< STAR100 - 4W >

>> Specifications

Model		STAR100 - 3W / STAR100 - 4W		
Traffic Type		    		
Type		D1800	D2200	D2500
Main size (Base on the 4-wing)	Diameter: D(mm)	1800	2200	2500
	Min. inside passage width (mm)	831	1031	1181
	Opening W(mm)	1150	1398	1597
	Opening height: H(mm)	standard 2200		
	Canopy height (mm)	standard 200 (Min. 100)		
	Total height (mm)	standard 2400		
Merit and applications		Saving energy (80% energy saving than swing door), Improve traffic problem, Comfortable environment within the building, Easy to change to automatic revolving door		
Finish material	Surfaces	Stainless steel / Aluminum / Brass ager		
	Wing glass	8mm Tempered glass		
	Showcase glass			
	Wall glass	10mm semi-tempered glass		
	Bottom construction	Marble, Mat system (option)		
Control, operating system	Power	AC220V 50/60Hz, single-phase 10A (Option)		
	Rotating speed	Speed control device	Adjustable speed control device (4~8 R.P.M.)	
	Passage capacity	240 person/h x both direction	240 person/h x both direction	240 person/h x both direction
	Safety devices	Speed control device (Option)		
		Door folding device (Option)		
		Anti-reverse rotating device (Option)		
		Regular position stop device (Option)		

02. STAR300 - 3W, 4W

Glass typed 3-wing, 4-wing auto/manual revolving door

This is not the upper operating typed but the bottom operating typed revolving door. Drum ceiling of glass finishing makes simple and luxury.



[Kwangwhamoon S-tower (D3600)]



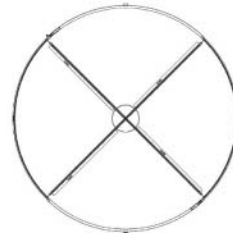
[Seoul square (D3000)]



[Seoul square (D3000)]



< STAR300 - 3W >



< STAR300 - 4W >

>> Specifications

Model		STAR300 - 3W / STAR300 - 4W (Auto, Glass type)		
Traffic Type				
Type		D2800	D3000	D3200
Main size (Base on the 4-wing)	Diameter: D(mm)	2800	3000	3200
	Min. inside passage width (mm)	1198	1298	1398
	Opening W(mm)	1789	1934	2072
	Opening height: H(mm)	standard 2400		
	Canopy height (mm)	standard 50 (Min. 35)		
	Total height (mm)	standard 2450		
Merit and applications		Saving energy (80% energy saving than swing door), Improve traffic problem, Comfortable environment within the building. Office building/government and public office/hotel/multipurpose building		
Finish material	Surfaces	Stainless steel / Aluminum / Brass ager		
	Wing glass	8mm Tempered glass		
	Showcase glass	13.5mm Laminated glass		
	Wall glass	10mm semi-tempered glass		
	Bottom construction	Marble, Mat system (option)		
Control, operating system	Power	AC220V 50/60Hz, single-phase 10A, Motor 400~750W		
	Rotating speed	Normal: standard 4.0rpm / Handicapped switch: standard 2.5rpm		
	Passage capacity	1,150 person/h x both direction	1,210 person/h x both direction	1,290 person/h x both
	Safety devices	Anti-jammed device		
		Post safety bumper		
		Door anti-bumping device (top and bottom)		
		Emergency stop function, torque limit		

03. STAR500 - 3W, 4W

3-wing, 4-wing middle sized auto revolving door

The most common revolving door that is installed at middle and small sized building. It may increase the quality of the building by using the most suitable finishing material.



[Sejung building (D2500)]



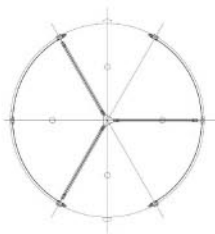
[Jamsil Lotte (D3000)]



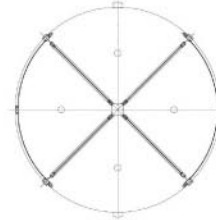
[Limkwang building (D3400)]



[Mapo Lotte (D2888)]







< STAR500 - 3W >



< STAR500 - 4W >

>> Specifications

Model		STAR500 - 3W / STAR500 - 4W (Auto, Middle sized)		
Traffic Type		   		
Type		D2800	D3000	D3200
Main size (Base on the 4-wing)	Diameter: D(mm)	2800	3000	3200
	Min. inside passage width (mm)	1198	1298	1398
	Opening W(mm)	1789	1934	2072
	Opening height: H(mm)	standard 2400		
	Canopy height (mm)	standard 400 (Min. 300)		
	Total height (mm)	standard 2800		
Merit and applications		Saving energy (80% energy saving than swing door), Improve traffic problem, Comfortable environment within the building. Office building/government and public office/hotel/multipurpose building		
Finish material	Surfaces	Stainless steel / Aluminum / Brass ager		
	Wing glass	8mm Tempered glass		
	Showcase glass			
	Wall glass	10mm semi-tempered glass		
	Bottom construction	Marble, Mat system (option)		
Control, operating system	Power	AC220V 50/60Hz, single-phase 10A, Motor 400~750W		
	Rotating speed	Normal: standard 4.0rpm / Handicapped switch: standard 2.5rpm		
	Passage capacity	1,150 person/h x both direction	1,210 person/h x both direction	1,290 person/h x both direction
	Safety devices	Anti-jammed device		
		Post safety bumper		
		Door anti-bumping device (top and bottom)		
		Emergency stop function, torque limit		

04. STAR700 - 3W, 4W

3-wing, 4-wing large sized auto revolving door

The large sized revolving door there is show case at the center. The symbolized sculpture of building or exhibition can be displayed.



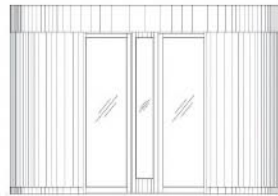
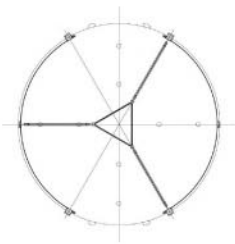
[Jamsil Lotte (D4200)]



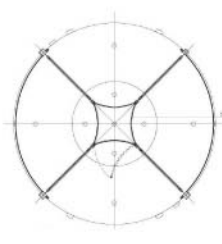
[Mapo Lotte (D4800)]



[Yongsan I-Park Mall (D4800)]








< STAR700 - 3W >



< STAR700 - 4W >

>> Specifications

Model		STAR700 - 3W / STAR700 - 4W (Large Capacity 3,4wing)		
Traffic Type		    		
Type		D3600	D4200	D4800
Main size (Base on the 4-wing)	Diameter: D(mm)	3600	4200	4800
	Min. inside passage width (mm)	1010	1151	1456
	Opening W(mm)	2337	2746	3171
	Opening height: H(mm)	standard 2400		
	Canopy height (mm)	standard 400 (Min. 400)		
	Total height (mm)	standard 2800		
Merit and applications		Saving energy (80% energy saving than swing door), Improve traffic problem, Comfortable environment within the building. Department store/hospital/hotel/office building/government and public office		
Finish material	Surfaces	Stainless steel / Aluminum / Brass ager		
	Wing glass	8mm Tempered glass		
	Showcase glass	6~10mm glass		
	Wall glass	10mm semi-tempered glass		
	Bottom construction	Marble, Mat system (option)		
Control, operating system	Power	AC220V 50/60Hz, single-phase 10A, Motor 400~750W		
	Rotating speed	Normal: standard 4.0rpm / Handicapped switch: standard 2.5rpm		
	Passage capacity	1,450 person/h x both direction	2,000 person/h x both direction	2,200 person/h x both direction
	Safety devices	Anti-jammed device		
		Post safety bumper		
		Door anti-bumping device (top and bottom)		
		Emergency stop function, torque limit		

05. STAR700 - 2W

2-wing large sized auto revolving door

This large sized auto revolving door is a combination of revolving door and sliding door. It can be used revolving door or sliding door at user's convenience. It is suitable for the place where many people have to pass.



[Abgujung new Seoul (D3000)]

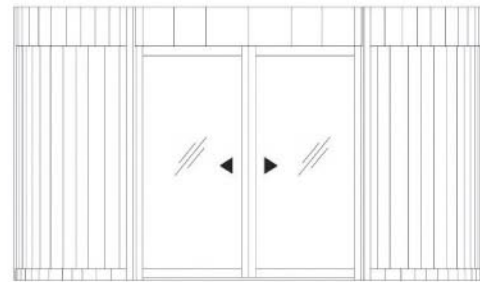
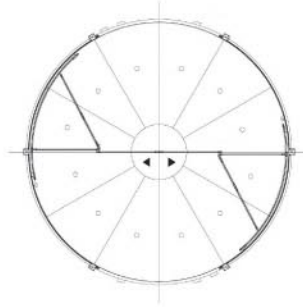


[Hyundai Rolling hills (D4200)]








[Busan Chosun hotel (D3600)]

< STAR700-2W >



>> Specifications

Model		STAR700-2w (Large Capacity Revolving Door)		
Traffic Type		    		
Type		D3800	D4200	D4800
Main size (Base on the 4-wing)	Diameter: D(mm)	3800	4200	4800
	Min. inside passage width (mm)	1750	1950	2250
	Opening W(mm)	2543	2811	3213
	Opening height: H(mm)	standard 2400		
	Canopy height (mm)	standard 400 (Min. 400)		
	Total height (mm)	standard 2800		
Merit and applications		Improve traffic problem, Comfortable environment within the building. Department store/hospital/hotel/office building/government and public office		
Finish material	Surfaces	Stainless steel / Aluminum / Brass ager		
	Wing glass	8mm Tempered glass		
	Showcase glass	6 semi-tempered glass		
	Wall glass	10mm semi-tempered glass		
	Bottom construction	Marble, Mat system (option)		
Control, operating system	Power	AC220V 50/60Hz, single-phase 10A, Motor 750W		
	Rotating speed	Normal: standard 4.0rpm / Handicapped switch: standard 2.5rpm		
	Sliding door open size (mm)	1750	1900	2200
	Passage capacity	1,150 person/h x both direction	1,210 person/h x bothdirection	1,290 person/h x both direction
	Safety devices	Anti-jammed device		
		Post safety bumper		
		Door anti-bumping device (top and bottom)		
		Emergency stop function, torque limit		

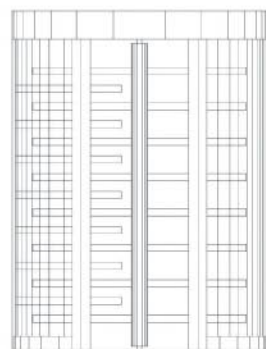
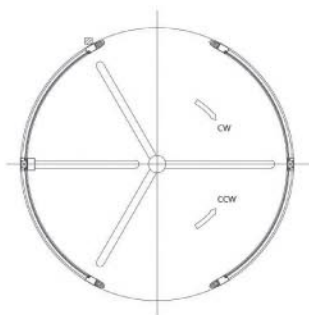
06. STAR-Turn

Auto/Manual Turnstile Gate

This turnstile gate is installed for controlling pedestrians.



[Young-heung thermal power station]



< STAR-Turn >

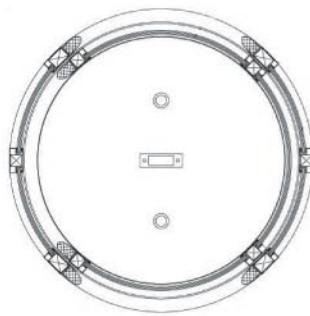
>> Specifications

Model	STAR-Turn (Turnstile Gate)
Power	220AV 50/60Hz, 10A
Control power	24VDC/2A (Self supply)
Finish material	Stainless hair line 1.5T or stainless polished 1.5T (Changeable)
System	Motor brake base on the PLC control system
Security	Only authorized person can enter
Automatic rotation	Automatically rotate when access authentication.
Manual rotation	Manually rotate when access authentication.
Passing restrict area	Reverse turn with beep if passing restrict area
Passing together prohibit function	Reverse turn with beep if passing together
Safety function	① Torque control: By adjusting the pressure of the force rotation, it prevents accident as stopping in case physical impact or error
	② Post bumper: It will be stopped when pedestrians or obstacles are put between rotating arm and post. (Option)
Down lighting	50W halogen lamp

07. STAR-Tube Tube Gate

This tube gate has function of security as well as access control.

< STAR-Tube >



[KT Deajun]



[KT Deajun]

>> Specifications

Model	Star-Tube (Tube gate)
Opening size	531-750
Surface	1.5T Stainless steel hairline
Power	220VAC / 10ASecurity Automatic System
System	Security automatic system Torque limit system Weight detective sensor, Image sensor (Option)



STWORLD Co., Ltd.

Halla Sigma Valley B212~216, #442-2, Sandaewon-dong,
Jungwon-gu, Sungnam-si, Kyungki-do, Republic of Korea

Tel: +82-31-735-4770 / Fax: +82-31-735-4771

Email: intersales@stworld.net Web: www.stworld.net

