

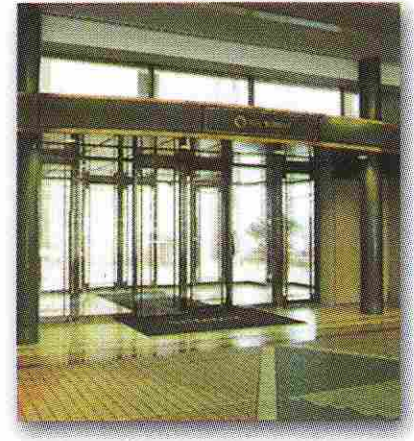
Looking for automatic doors? Then **Teraoka** is for you.



office building



bank

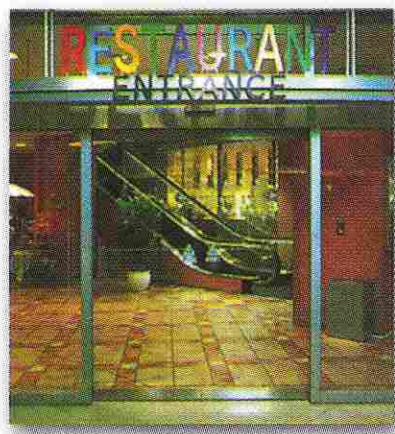


hotel

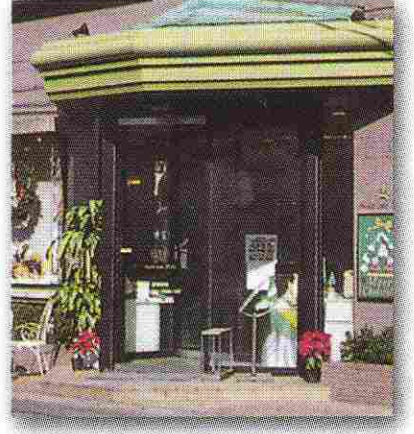
Teraoka provides **autodoor** systems that cordially welcome visitors.



departement store



restaurant



shop

We strive for "harmony" between people and **automatic doors.**



hospital



public hall



factory

◀ **Why?** ▶ Teraoka Autodoor's leading-edge technology is now in the limelight. Perhaps you need an entrance that punctuates the design of a building facade. The answer--automatic doors that give a warm welcome to visitors and create a lasting first impression of the building. For the building, Teraoka's technology could also be called "technology that gives customers the royal carpet treatment." The technology is embodied in modern autodoor systems that are functionally superior, and provide amenity and high-level safety. As a leading company of automatic doors, Teraoka Autodoor continues to develop high-performance products with ever-innovative ideas. Teraoka introduces technology that fits the entrances of various structures.

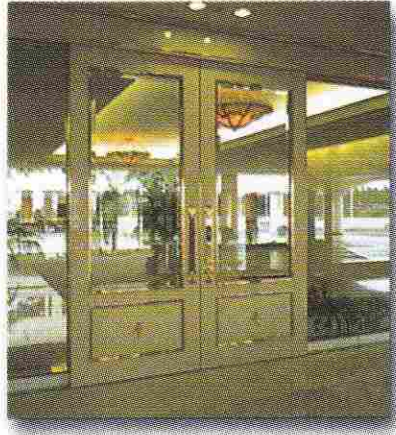




Teraoka Autodoor produces ideal **amenities** for people and spaces.



hospital



resort hotel

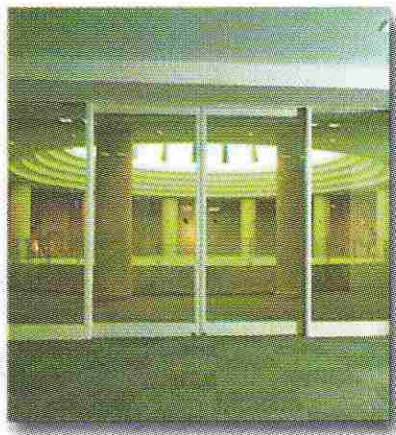


shopping Mall

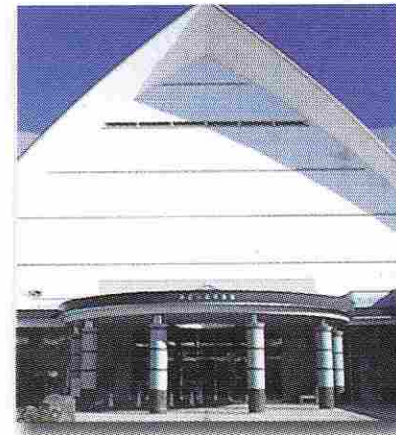
A **barrier-free** concept that is common to all.



community center



city hall

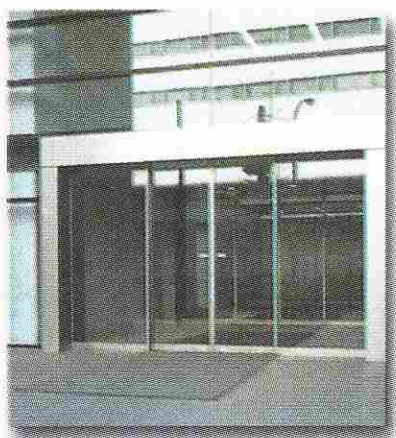


amusement park

Technology that produces the energy-conserving design and high-level **security** sought by the next generation.



mansion



office building



ATM booth

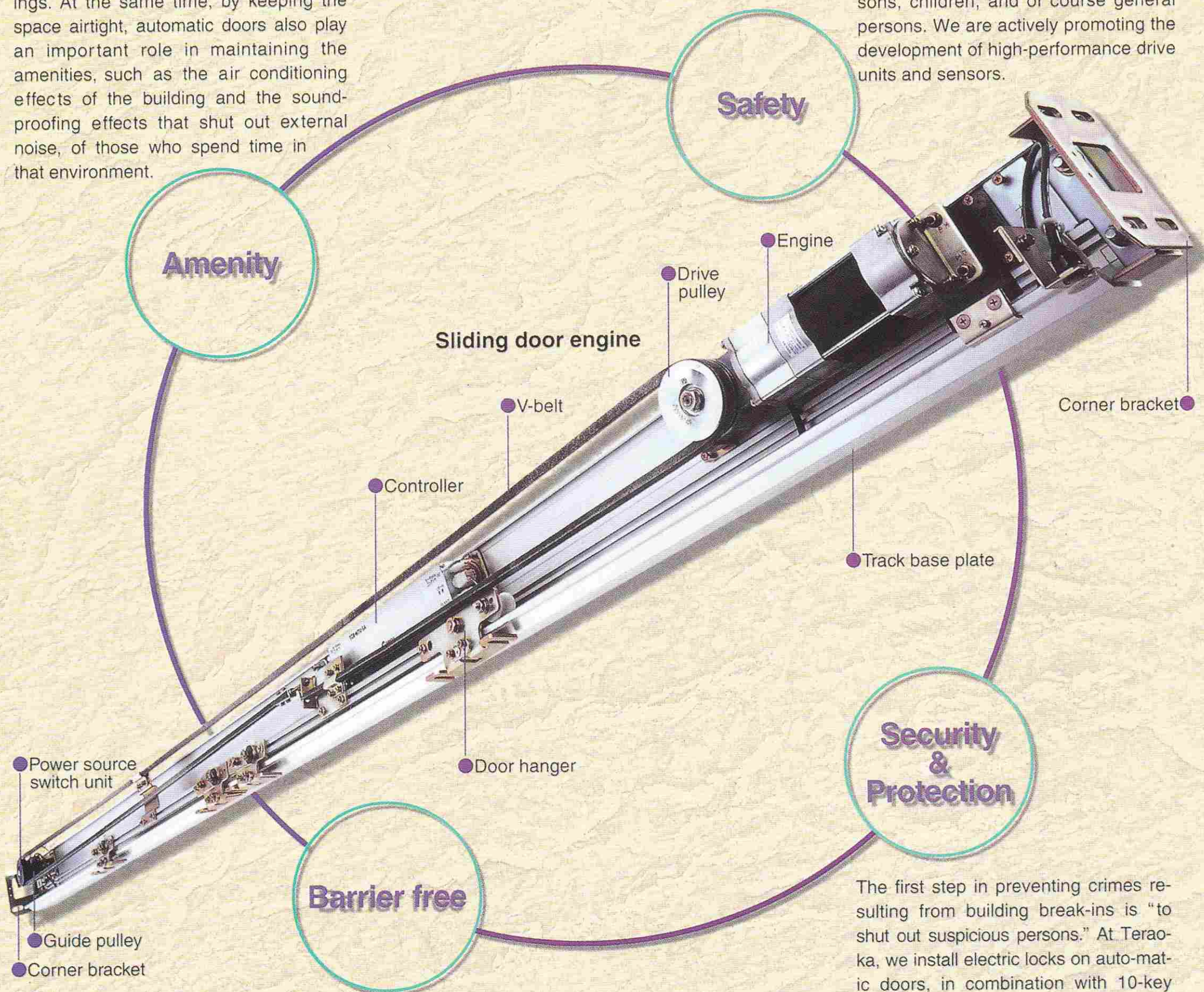
◀ **What This Means** ▶ What Teraoka Autodoor proposes is to stage “a space that anyone can enter and exit with assurance.” Facing an aging society, the development of automatic doors that the elderly and disabled can enter and exit feeling safe and comfortable is something that people in Europe and America can relate to as what is commonly known as a “universal design concept.” Teraoka was among the first to tackle the “Buildings with Heart Law” that was enacted in 1994 in Japan, and has left a long list of accomplishments including entrances and hallway for structures with high public access, and sitting room doors, and automatic restroom doors. Backed by technology that focuses on amenities and peace of mind, Teraoka Autodoor proposes milieus for buildings with heart, such as public facilities, hospitals, and multi-purpose halls, as well as offices and shopping centers.



# 4 Themes Behind Teraoka's Technology

The basic convenience of automatic doors is that they provide people with "smooth passage anytime" within buildings. At the same time, by keeping the space airtight, automatic doors also play an important role in maintaining the amenities, such as the air conditioning effects of the building and the sound-proofing effects that shut out external noise, of those who spend time in that environment.

The safety of automatic doors, as they become popularized, has been set as one of the important themes. At Teraoka, our goal is to develop "friendly automatic doors that anyone can pass through without any worries." This applies to elderly persons, disabled persons, children, and of course general persons. We are actively promoting the development of high-performance drive units and sensors.



The idea of creating various social buildings, starting with public facilities, so that "anyone can use them without hindrance" is becoming widespread. In keeping with the "barrier-free" theme, Teraoka recommends the use of toilet systems for persons in wheelchairs, rail tight systems that eliminate differences in floor surface levels, and safety glass doors, all of which were developed from open-close control technologies for automatic doors.

The first step in preventing crimes resulting from building break-ins is "to shut out suspicious persons." At Teraoka, we install electric locks on automatic doors, in combination with 10-key switches, TV monitors, card readers, and other devices, and propose security systems for office building and store doorways and internal living rooms. We also pay attention to protection by developing "special fire-prevention equipment" and "earthquake detectors" for emergencies such as fires and earthquakes.



## Main Products

When selecting a model from Teraoka's main products (door engines), you must carefully consider the opening/closing method, the door weight, and the door hanging parts. See the following tables for this information.

### Sliding Door Engines

Opening/closing method	Category	Model	Maximum door weight (kg)		Door width (stroke) (mm)	Installation space (mm)		
			Single slide	Bi-parting		Transom dimension*1	Aluminium front	Surface mounting base plate
Sliding doors	Light-duty	SOT-T60KNB	60X1	30X2	450~1,250	100X200	Yes (70)	
		SOV-60KLTM	65X1	30X2	450~1,250	120X200	Yes (100)	Yes
		SOV-70KLDM	70X1	35X2	450~1,250	120X200	Yes (100)	Yes
	Medium-duty	SOV-100KLDM	100X1	50X2	450~1,250	120X200	Yes (100)	Yes
		SOV-150KLTM	150X1	75X2	650~1,500	120X200*2	Yes (100)	Yes
		SOV-160KLDM	150X1 *3	80X2	650~1,500	120X200*2	Yes (100)	Yes
		SOV-200KLDM	150X1 *3	100X2	650~1,500	120X200*2	Yes (100)	Yes
		SOT-200KNB	150X1 *3	100X2	650~1,500	120X200*2	Yes (100)	Yes
		SOV-200KDC	150X1 *3	100X2	650~1,500	165X200		
		SOV-200KT	150X1 *3	100X2	650~1,500	165X200		
		SOV-200K	150X1 *3	100X2	650~1,500	165X200		
	Heavy-duty	SOV-300KT	300X1	150X2	850~2,000	210X300		
		SOV-300KDC	300X1	150X2	850~2,000	210X250		
		SOV-400KDC	400X1	200X2	850~3,000	300X300		
SOV-600KDC		600X1	300X2	850~3,000	300X300			
Circular sliding doors	1200R/1500R	SOV-R200	100X1 *3	100X2	700~1,000	200X260		
		SOV-R300	150X1 *3	120X2	700~1,000	200X350		
	Large radius	SOV-R200	100X1 *3	100X2	700~1,250	200X260		
		SOV-R300	150X1 *3	120X2	700~1,250	200X350		

\*1 The transom dimensions are depth X width. \*2 These are the transom dimensions when the unit base plate is used. \*3 The weight is limited by the combination with the hanger.  
Notes: • At locations that are always exposed to strong winds, consider the wind pressure resistance when selecting the model.  
• When you design the door dimensions, we recommend that you use the maximum door width-to-door height (DW-to-DH) ratio of 1:3 as a guideline.

### Swing Door Engines

Opening/closing method	Model	Driving method	Opening/closing method	Maximum door width (mm)	Door weight (kg)	Installation
Swing doors	HOG-900	Open-close: Both electric	90° single swing	700~900	75x1	Mounted on transom
	HOG-1100	Open: Electric Close: Door Closer	90° single swing	700~1,000	75x1	Mounted on transom
	HOH-1000	Open-close: Both electric	90° single swing (adjustable)	700~1,000	75x1	Mounted on transom
	HB-1100	Open-close: Both electric	90° single swing	700~1,100	100x1	Embedded in floor

Opening/closing method	Model	Category	Applicable door	Open width (mm)	Door weight (kg)	Transom dimensions (mm)
Folding doors	HOH-SD	2-leaf folding door	Light-duty steel door, framed door (stainless steel, aluminum)	1,000~1,400	40x2	220x150
	HOH-SD	4-leaf folding door	Light-duty steel door, framed door (stainless steel, aluminum)	1,400~2,200	30x4	220x150
	HB-SD	2-leaf folding door	Flush door (steel, stainless steel)	1,000~1,500	60x2	270x300
	HB-DD	4-leaf folding door	Flush door (steel, stainless steel)	1,500~2,000	40x4	270x300

Note: The above figures are for when the door height is 2,000 to 2,200 mm.

### Sliding Doors Light-duty

# SOV-70KLDM

Single slide 450-1,250mm   Bi-parting 450-1,250mm



SOV-70KLDM

Quiet, light-duty engine that is the most powerful in its class

## SOV-70KLDM

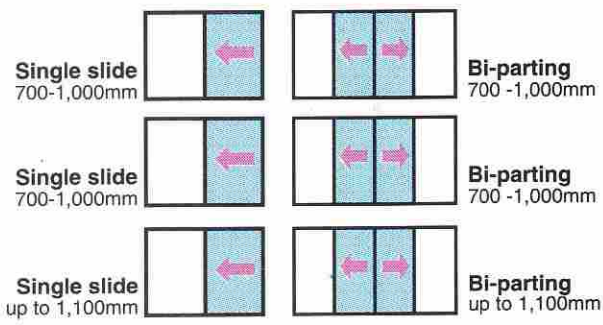
Structure	Pre-assembled unit, separate type
Opening/closing method	Single slide, bi-parting
Maximum door weight	70kgx1, 35kgx2
Door stroke	450 to 1,250mm
Door speed	100 to 450mm/s
Stay-open timer	0.3 to 9 seconds
Motor	DC motor
Power transmission	V-belt or Toothed belt
Controller	YCB-DCU
Power source	100 VAC ± 10%, 50 to 60Hz, 5A
Power consumption	0.10 kWh for 1000 open/close cycles



# TFM-1000S/D

# TFJ-1000S/D

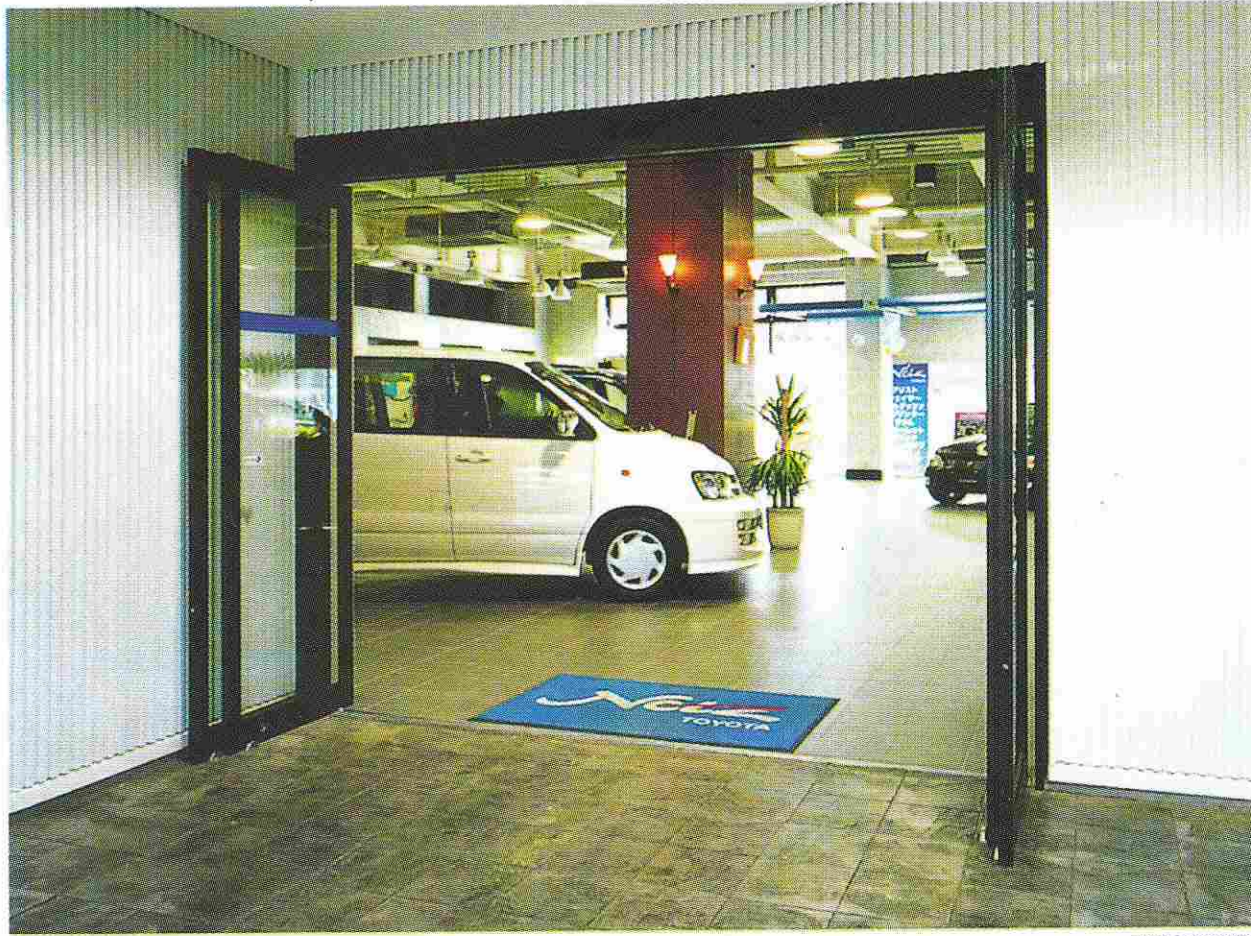
# TF-1200S/D



TFM-1000 D when fully closed



TF-1200 D when fully closed



TFM-1000D

**Advanced function automatic doors consisting of a swing open function added to automatic sliding doors.**

A full opener is normally an automatic sliding door. But when the sliding door is fully open and swung open together with the fixed panel, the open width doubles. Full opener doors are very handy when large objects need to be transported into or out of the building and during emergencies.

### TFM-1000S/D

Type that is used especially for aluminum framed doors and supports an aluminum front sash (depth 100 mm X width 170 mm)

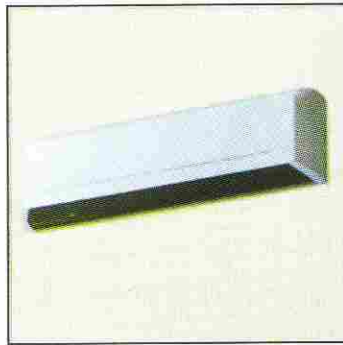
### TFJ-1000S/D

This model fits into a stainless steel, ordered sashes, and is the intermediate model between TF-1200S/D and TFM-1000S/D.

### TF-1200S/D

This model fits into a stainless steel sash and is compatible with ordered sashes. There are two door types: stainless steel framed door and hardened glass.

#### Sensor Types



Active infrared sensor



Microwave switch

#### Foot Type

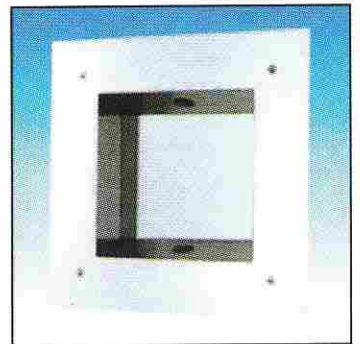
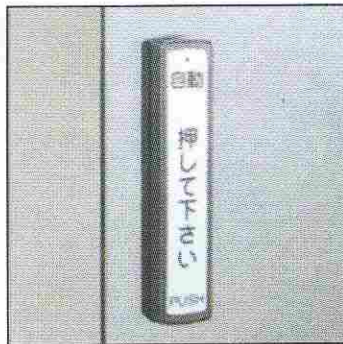
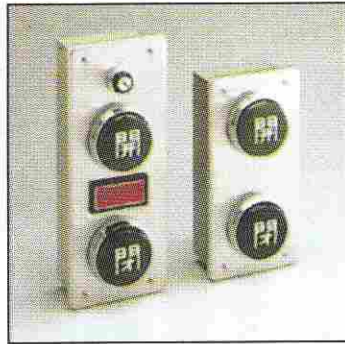


Photo cell foot switch

#### Hand Types



Wireless touch switch



P.H.P system push-button switch

#### Auxiliary Sensor Type



Auxiliary photo cell switch

