



## Solutions for airports

Automatic door systems from record



**record**

your global partner for entrance solutions



No passeu  
No entry  
No pasar



record automatic door systems provide  
enhanced safety, security and convenience




## record – automatic door systems

Automatic doors play a particularly important role at airports. In passenger areas and where there are high levels of pedestrian flow, record doors and security interlocks provide you with enhanced security and safety, significantly improved convenience and most importantly, high standards of reliability, which has always been a record priority.

### Security and safety

Our range of products has been developed to fulfil the high security and safety requirements of international airports. We can provide:

- Escape and rescue route security 
- Fire and smoke-protection doors
- Security doors and interlocks to control personal access
- Door systems for access in one direction only
- Burglar-resistant security doors with multi-point locking
- record ADM door management systems to control and monitor doors; can also be integrated into existing building control systems

### Convenience

- **For passengers:** thanks to automatic opening and closing of doors, complete freedom of movement is guaranteed at all times.
- **For personnel:** restricted areas can be accessed without delay; transporting baggage trolleys, luggage etc. is made easier.
- **For the operating company:** central monitoring and control of pedestrian traffic to and from departure and arrivals halls, and the flow of people in other airport buildings. Any operational malfunction triggers an alarm message that is immediately dispatched to central control.

### Reliability

The foundation of our success has been our own R&D department, which we have been actively managing at our head-quarters in Switzerland since 1953. As a global player, we distribute our products all over the world; we have branches and representative offices in over 50 countries.

When designing and manufacturing our products, we pay particular attention to ensuring their exceptionally long life and unrestricted functionality. To install them, we employ thoroughly trained service technicians who attend training courses on an on-going basis. Our technical staff support you right from the planning stage. To provide you with complete solutions, in-house record service technicians can carry out service and maintenance for you. Their highly detailed knowledge of the design and construction of products ensures the long-life and smooth operation of your installation for many years to come.



Our products are ISO 9001:2008 certified and also comply with all relevant international norms and standards.



Automatic sliding door, MUC



Automatic doors, facade, BLL



Automatic round sliding door, first-class entrance, ZRH



Automatic telescopic sliding door, MUC



FlipFlow TWIN, MRS



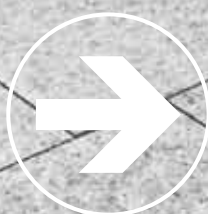
Automatic sliding door, LYS



Frameless automatic sliding door, BSL/MLH



Lounge →



record – the right solution for all airport areas



## Public areas

### Airport entrances and exits

record provides the right solution for all airport areas:

- **Pedestrian walkways:** automatic sliding doors, round and curved sliding doors, swing doors, folding doors, revolving doors, door systems for controlled access in one direction, and security interlocks
- **Vehicle entrances:** rapid shutter doors

### Passenger areas

The technology used in record doors complies with all safety standards required for emergency exits.

- Automatic sliding doors, redundant or with emergency breakout facility. In emergencies, door leaves and side screens can be removed and swung through 90° to maximise access.
- Automatic round and curved sliding doors
- Automatic revolving doors

### Personnel areas

For personnel entrances, record automatic doors can be operated using standard access control systems. The following specially designed doors enable security of the highest level at access points:

- Security interlocks with video monitoring for single access only, empty room surveillance and personal identification at the entrance or authentication inside the interlock
- Security interlocks with automatic sliding or swing doors

### Check-in and checkout areas; arrivals hall

Automatic sliding doors made of glass can also function to divide an area into zones inside terminals, and thus also ease navigation for passengers checking in or out.

In arrivals halls, automatic pivoting doors, swivelling doors or turnstile security interlocks can be installed to divide up a variety of areas into zones e.g. passenger security check areas, info desks, etc.

### Sanitary area

Automatic sliding or folding doors enable higher standards of hygiene and convenience in sanitary areas such as toilets, nappy changing areas and showers. People appreciate the hands-free convenience of automatic doors.

### Enabling connections with other means of transport

Part of the infrastructure of every airport is the requirement for passengers to use other means of transport for their onward journeys. Automatic doors enhance the safety and convenience of both passengers and staff, and enable other means of transport to be more easily reached (bus station, underground and over ground railways).



Entrance area, BSL/MLH



Automatic rapid shutter door, hangar, LYS



Smoke-protection doors, entrance area, MUC



2-leaf revolving door with integrated automatic sliding door, BLL



Waiting room, LYS



Automatic sliding door, sanitary area, ZRH



Entrance hall, LYS



record – for the clear, detailed view of restricted areas



## Restricted areas

### Control of persons

Parallel to passport control, automatic doors enable authorised personnel and goods access to restricted areas with virtually no delay. Standard access control systems enable authorisation by controlling automatic doors, and denying unauthorised people general access.

### Shops in the duty-free area

Generally, shops in duty-free areas can easily be retro-fitted with record automatic door systems. As a key design feature, large areas of glass lend a high degree of transparency to zones, creating a luxurious appearance. The wide range of colours and finishes helps to lend a special touch to individual shops.



Should your security requirements after closing demand it, we recommend the SAFECORD burglar-resistant automatic sliding door. Equipped with a reinforced frame, laminated glass and multipoint locking, it provides exceptionally good protection against violent attempts to gain access to your premises.

### Cafés/bars/restaurants

Among other things, prompt service is an essential requirement at airport eateries. Our rapid acting, compact folding doors can be found in many restaurants, functioning as the perfect barrier between the kitchen and dining areas. Here, you can of course also rely on our whisperquiet 1 or 2 leaf automatic sliding doors at peak times.

### First and business class lounges

Automatic doors give your entrance the exclusive look. Automatic door systems can be designed as an attractive feature of your corporate identity, or combined with access control systems to enhance their functionality. By installing a record automatic door system, you immediately identify yourself as an attentive host.



FlipFlow TWIN, security-check, CDG



FlipFlow, air and land side transition, GLA



FlipFlow VVIDE, customs exit, AMS



Revolving door operator, crew entrance, ZRH



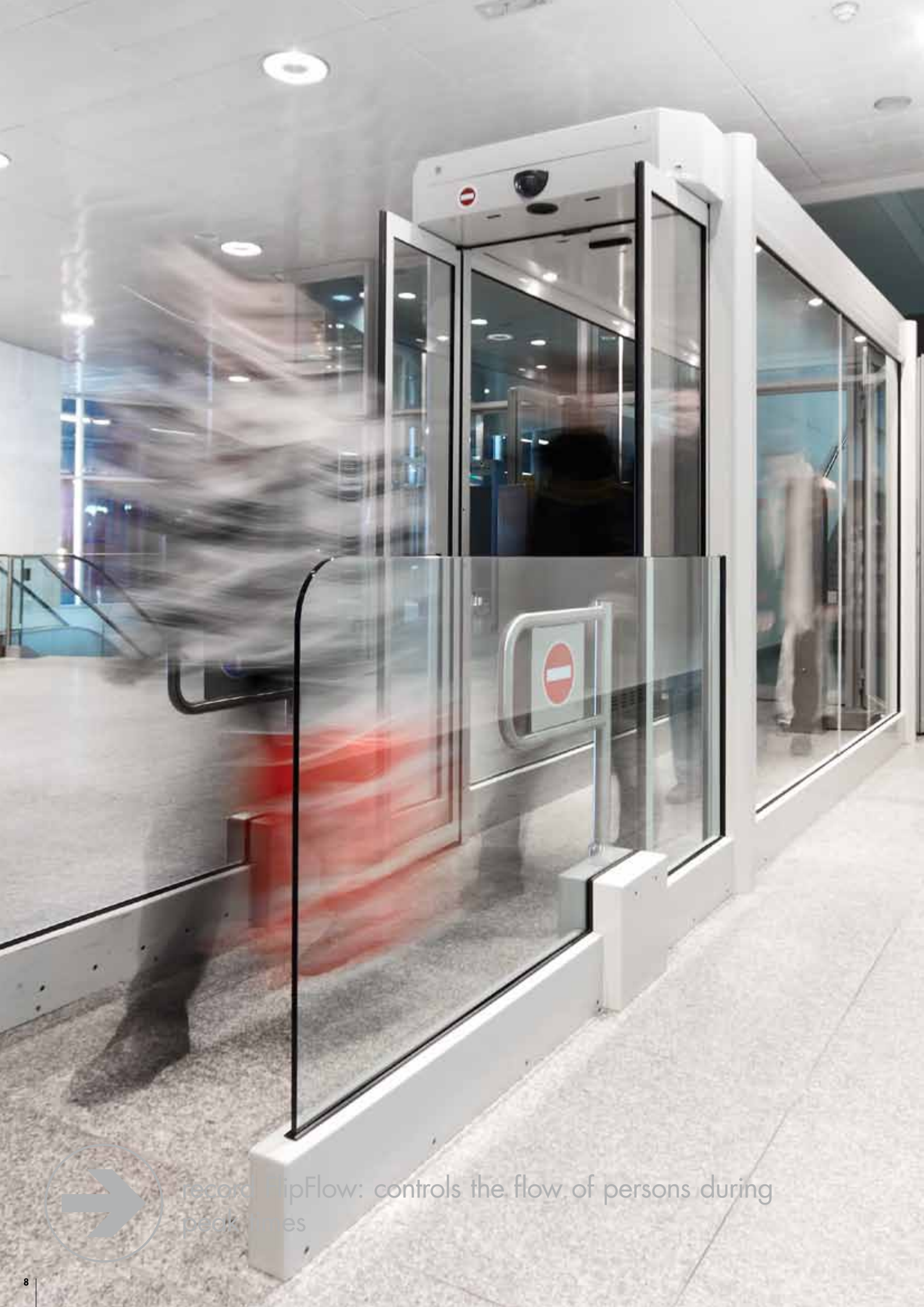
Telescopic sliding door, BLL



Sliding door, restaurant, LYS



Sliding door, kitchen/pantry, ZRH



record HipFlow: controls the flow of persons during peak times



## Security areas before departure and after arrival

The FlipFlow range from record automatically regulates the flow of people at airports and other areas with heightened security requirements. This one-way access system is usually set up with two barriers positioned in front of one another, and passed in one direction only. FlipFlows were designed by record to prevent the unauthorised crossing of person or persons from a public area to a restricted one. Any attempt to pass FlipFlows in the opposite direction is detected by an intelligent sensor system, triggering an alarm, and closing and locking the doors and barriers to prevent the person returning.

### Areas of application

To effectively divide areas with high security requirements from public areas, e.g. airside from landside or from the transition area to the secure zone.

### Uses and advantages

- Suitable for the controlled flow of persons in high security environments
- Compact, transparent design, also suitable for disabled persons



Series of 2 FlipFlows in line and 5 units in a row, 10 units all together, AMS

### Options

#### FlipFlow TWIN BASIC / TWIN INTERLOCK (for high security)

- Acts as a barrier between air and land zones
- Can be extended with high performance modules
- High performance security interlock function effectively prevents objects being thrown or passed through the interlock

#### FlipFlow SINGLE (for discrete security)

- Acts as a barrier between two zones inside the airport
- Security personnel are aside
- Optional volumetric monitoring of static objects

#### FlipFlow WIDE (for enhanced convenience)

- Suitable for customs exits
- Security personnel in the immediate vicinity
- For less critical security requirements



FlipFlow TWIN, BLL



FlipFlow TWIN with escape route doors at the sides, BOD



FlipFlow TWIN, BCN



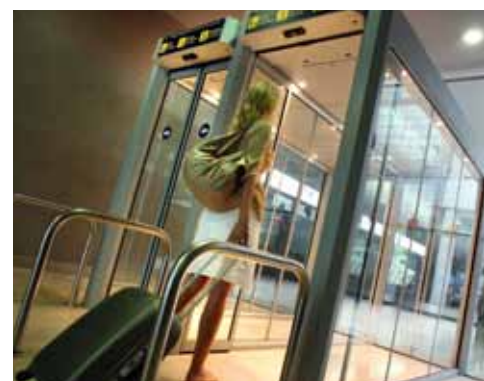
FlipFlow TWIN, MRS



FlipFlow SINGLE, GLA



FlipFlow WIDE, AMS



FlipFlow TWIN, VLC



## Security areas before departure and after arriving



Automatic fire protection door, baggage claim, LYS



Automatic folding door, finger dock, CDG

### Access to the planes (finger dock)

It is possible to install an automatic folding door to serve as an independent access point in passenger boarding bridges. This opens only when a gangway or air bridge has securely docked with it, and serves to enable bulky goods to be loaded on board, e.g. items that cannot be taken into the cabin like child's buggies, wheelchairs etc.

### Hangar, luggage sorting and claim area

Rapid acting shutter doors from record guarantee a smooth flow of traffic and also function as an excellent thermal barrier. Shutters comply with all customs' regulations relevant to the luggage or freight area.



Rapid shutter gates SPEEDCORD

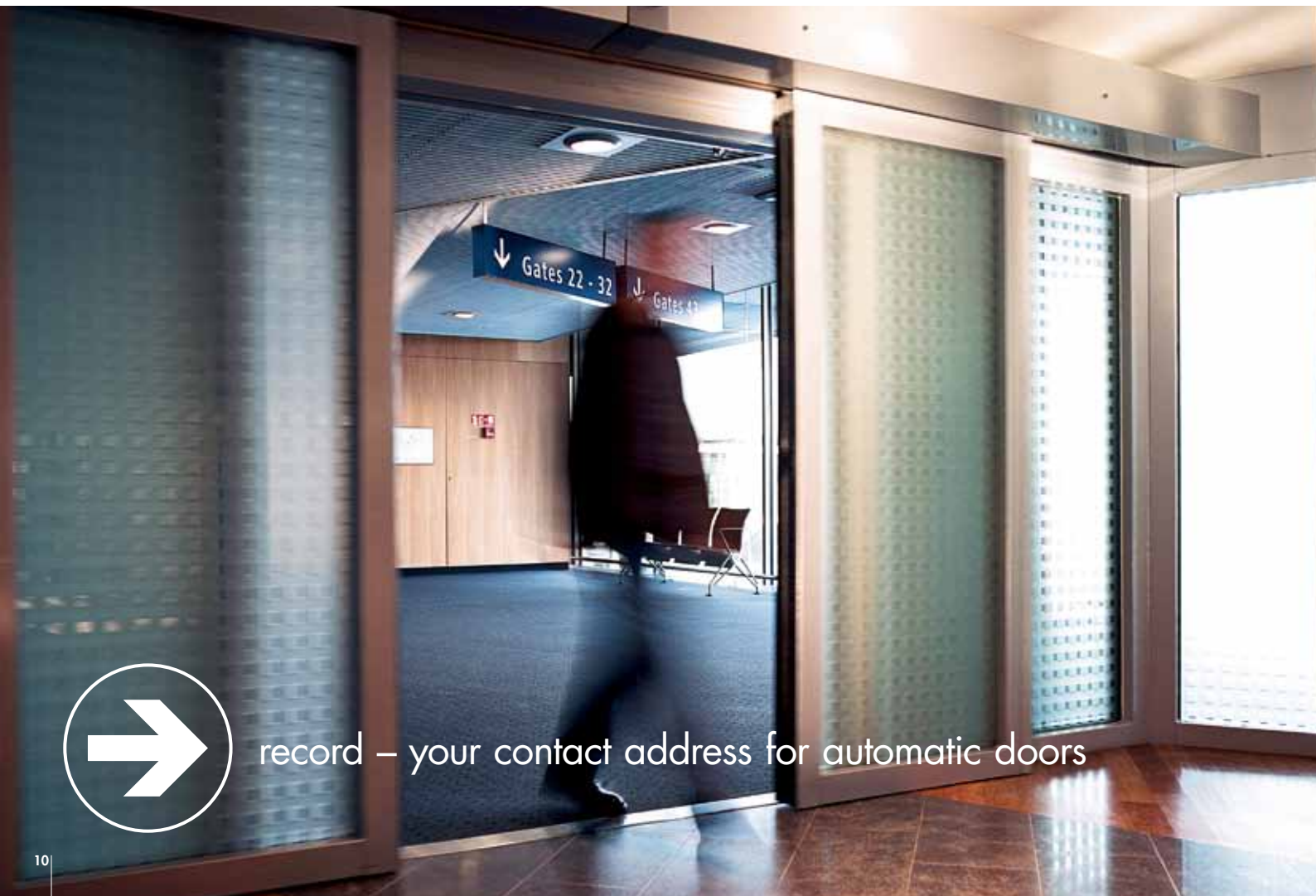


Automatic smoke-protection door, multi-storey car park

### Automatic smoke and fire protection doors

Should fire or smoke develop, record's smoke protection sliding doors close reliably. The door is sealed with vertical bars at the sides and middle, and at the top and bottom of the door, seals automatically emerge. The passage of smoke is prevented for long enough to enable person or persons to be rescued without the need for breathing apparatus.

FEUCORD, the record fire protection door, was developed to be fire-resistant. This model resists the passage of fire, heat and smoke for at least 30 minutes. The fire protection system is also available with integrated escape route doors.



record – your contact address for automatic doors

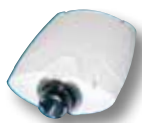


## record ADM – the door management system

ADM (Advanced Door Management) from record permits you to monitor and control all doors, gates and security interlocks in a building from a central point. There are many benefits for the customer:



- **Complete control:** the current status of your doors is read on the monitor. Should an alarm be triggered or the system report a malfunction, for instance if a piece of luggage is blocking a door, the relevant error messages are immediately dispatched to security personnel to inform them of the situation.
- **Reduction of building maintenance costs:** the monitoring of doors from a central control point makes tours of inspection unnecessary.
- **Enhancing building security:** important building access points can be monitored at any time. Reports of malfunctions or faulty operation are immediately forwarded. A record webcam keeps you informed about on-going events on-site.
- **Competitive installation costs:** record ADM is based on the world's leading LON technology. When designing the bus structure, existing PC networks can easily be taken into consideration.
- **Online support provided by the record service centre:** diagnostic reports are forwarded directly via e-mail to the nearest record service centre. In most cases, thanks to internet access, any trouble can be rectified immediately.



### The ideal addition for integration into LON-based building control systems

The record security interlock with individual admittance using video surveillance enables the monitoring of interlocks with two or three doors. Standard access control systems can be easily combined with the interlock.

The record security interlock is easily integrated into existing building structures and provides the architect with a high degree of creative freedom. The security interlock can be adapted for the disabled and also used in escape and rescue routes.



National electronic data processing centre, Tours, France

## International record references

Vienna Airport A: 210 doors | Brussels Airport B: 150 doors | Billund Airport DK: 100 doors | Munich Airport D: 350 doors, 150 smoke protection doors | other airports in Germany: Nurnberg, Stuttgart, Saarbrücken etc. Dusseldorf: 35 FlipFlows | Lyon Airport F: 200 doors and 32 FlipFlows | Paris Orly Airport F: 60 doors | Paris Roissy Airport F: 140 doors | other airports in France: Nantes, Marseille, Rennes, Toulouse, Nice, Grenoble, Bastia, Pau, Ajaccio, Biarritz, Rodez, Bordeaux etc. | Athens Airport G: 40 doors | Airports in Italy: Rome, Venice, Naples, Bologna: 270 doors | Amsterdam Airport NL: 136 doors, 22 FlipFlows and 16 fire protection doors | Airports in Spain: Barcelona, Madrid, Malaga, Bilbao, Valencia, Alicante. Airports in Switzerland: Zürich, Geneva, Basel: 180 doors and 17 FlipFlows | UK Airports: London Heathrow and Gatwick: 50 doors, Glasgow 25 doors and FlipFlows | Chicago O'Hare International Airport, USA: 800 doors | Dallas, Fort Worth Texas, USA: 60 doors | Piedmont Triad International Airport USA, Greensboro: 100 doors | other airports in the USA: Springfield Illinois, George W. Bush International, Houston Texas, Savannah, Arkansas.

[www.agta-record.com](http://www.agta-record.com)

**Near the customer and rapidly available via the service network**

Record service technicians attend regular training courses and guarantee reliable, high quality maintenance, which also preserves the long-term value of your installation. Diagnosis and intervention from a remote site or troubleshooting on-site: **record service is always in your proximity.**



Personal consulting | Professional assembly and commissioning | Professional maintenance | Hotline for rapid troubleshooting | Guarantee of long-term functionality

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