

Solutions for healthcare

record automatic door systems



// healthcare



record

your global partner for entrance solutions



The world of record automatic doors

The agta record Group is based on a network of 26 subsidiary companies and around 200 sales agencies worldwide. It is practically the only expert company on the market that has mastered all the technologies associated with the development of automatic door systems: electronics, mechanical systems, software, sensor technology and telecommunications.

When Helmut H. Bunzl founded his company in 1953, he could not have foreseen that it would soon become the leading international provider of door automation systems. Then, as now, a continuous orientation towards the needs of the customers in a continually changing market has been the driving force at record. The increasing requirements of architects, builders and end-users demand practical solutions in the very best quality, and record has introduced numerous innovations to the market.

The Company has been the leading provider of door automation for many years. Technological innovations by record have repeatedly set new standards for the industry.

record produces and installs a wide range of automatic doors and peripheral devices for every conceivable application and every customer need.



Hermetically airtight automatic door

The range of core products includes automatic sliding doors, swing doors, folding doors, revolving doors, break-in and smoke resistant doors, security interlocks, one-way pedestrian door systems and high speed doors for industrial applications, as well as security doors for use in escape and rescue routes as well as fire protection.

All products are available in various surface finishes and can be adapted to very different requirements with no problem at all.

record can also proudly point to its range of servicing and maintenance, which ensures that doors function reliably and without errors, all over the world.



□ emergency exits version



EMERGENCY LANE
Rapid high speed gates
(rolling system)



CONSULTING OFFICE
Telescopic door
(2, 4 or 6 leaves)



CORRIDOR BREAK AREA
robust door
(1 or 2 leaves)



SECURITY OFFICE
Swing door FULL POWER



PHARMACY ENTRANCE
Burglar-resistant door
(RC 2)



ACCESS RESTAURANT / KITCHEN
Folding door (2 or 4 leaves)



DELIVERY RAMP
Rapid high speed gates
(stacking system)



ENTRANCE RESTAURANT
Revolving door

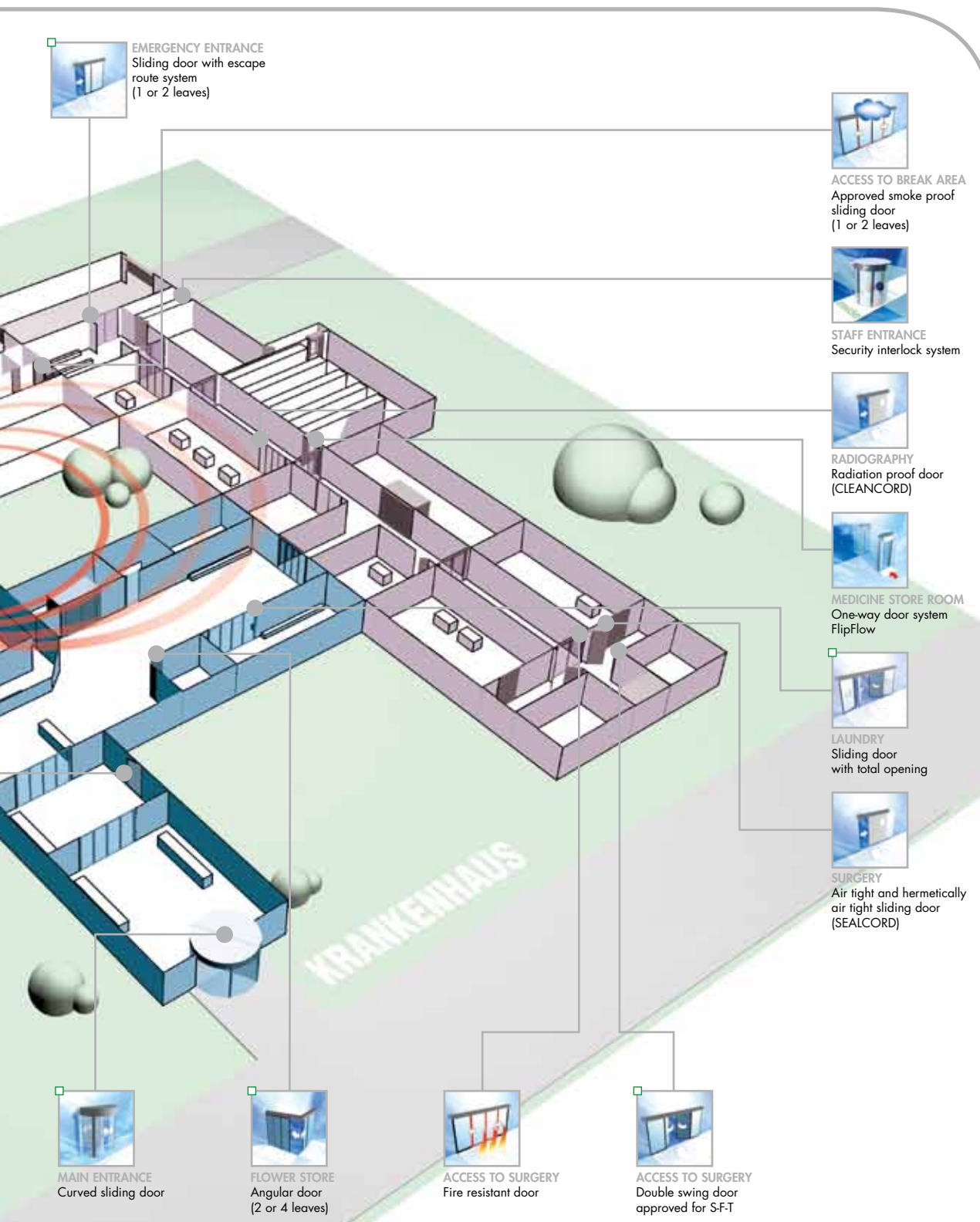


OFFICE ENTRANCE
Swing door LOW ENERGY

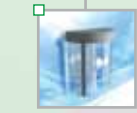


ACCESS TO LOUNGE
Swing door INVERS
smoke evacuation

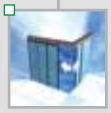




// healthcare



MAIN ENTRANCE
Curved sliding door



FLOWER STORE
Angular door
(2 or 4 leaves)



ACCESS TO SURGERY
Fire resistant door



ACCESS TO SURGERY
Double swing door
approved for S-F-T



ACCESS TO BREAK AREA
Approved smoke proof
sliding door
(1 or 2 leaves)



STAFF ENTRANCE
Security interlock system



RADIOGRAPHY
Radiation proof door
(CLEANCORD)



MEDICINE STORE ROOM
One-way door system
FlipFlow



LAUNDRY
Sliding door
with total opening



SURGERY
Air tight and hermetically
air tight sliding door
(SEALCORD)





// healthcare



record

your global partner for entrance solutions

The Main Entrance – the visiting card of your building

There is always an automatic record door to suit your requirements.

record standard sliding doors; inviting, reliable and low-noise

The well-proven double and single-leaf sliding doors from record are at the very centre of the product range, and are suitable for almost any application. The modular drive and profile systems guarantee a reliable and low-noise operation over long periods. The perfectly designed doors with their elegant appearance can be expanded according to customer requirements with regard to security, performance and convenience. Depending on the requirements, narrow, standard or robust glass profiles are used for the glass doors, and all models can be equipped with escape route safety systems.

record telescopic sliding doors: harmonic and elegant

The record telescopic door provides added value through its perfect technology, aesthetics and greater opening width. In comparison to a normal automatic sliding door, around 30% more opening width can be obtained with a telescopic sliding door. They are therefore also suitable for applications where insufficient opening width can be achieved with a normal sliding door due to limited space. Single and double-sided telescopic sliding doors with 2, 4 or even 6 door leaves are available in the record product range. It goes without saying that all variants are available with escape path security systems and in the version with two motors for heavy door leaves.

record circular sliding door for a luxurious main entrance

The automatic circular sliding door from record is perfectly suited for the main entrance of a clinic. The curved sliding door is offered with a whole series of options in order to fulfil the highest requirements with regard to function, security and design in every respect. Whether curved or round, rounded to the inside or the outside, with or without side screens: the circular sliding door from record fulfils every customer wish with tailor-made solutions that match any building architecture. Elegant lobby solutions can be created by arranging 2 circular sliding doors one behind the other. A corresponding lobby can also be realised in combination with a linear sliding door.

record angular sliding doors for an original entrance

Buildings with modern architecture often need an especially original entrance solution. record angular sliding doors are perfectly suited to this role, and can fulfil almost any customer wish, thanks to their refined technology and their design variations. The product can be supplied and installed as a 2 or 4-leaf sliding door and in almost any angle (starting from a 90° angle). The record angular sliding door is the conspicuous record automatic door that fits "into almost any corner".



Nursing home Huob, Pfäffikon, Switzerland



Nursing home Tertanium, Horgen, Switzerland



Main entrance to Sainte Marie clinic, France, 2 circular sliding door as windscreen



Nursing home Tertanium, entrance to rest area



Main and emergency entrance of Zimmerberg hospital, Switzerland, single-sided telescopic sliding doors



healthcare



record

your global partner for entrance solutions

Aesthetics and convenience in the public sector

New drive solutions by record – modern, slim-line, and most elegant

record narrow drives, the elegant and discreet drive solution

record narrow drive sliding doors are perfectly suited to modern glass façade buildings, in other words, post-and-rail constructions. With a drive height of only 108 mm, the door operator remains practically invisible in the front view of a façade, behind the narrow rails. The record motion detectors can also be integrated into the operator casing. Through the economical use of materials and energy, and through its elegant design, the narrow drive door operator from record ensures even more transparency and elegance.



Entrée principale de l'hôpital Sainte-Marie – deux portes coulissantes rondes



Combination of 2 sliding doors as a wind screen: one linear, one curved



Entrance to the Medical Lounge of Berlin, Germany, the permanent and extensive exhibition for the hospital domains

Revolving doors for extravagant entrances

Revolving doors are the right product choice where there are draughts, noise and temperature fluctuations within a building. They are perfectly suited as lobby solutions, help to save energy costs for heating and can be excellently and architecturally integrated into both modern and older buildings. The doors lend any building that special style, and can be produced in different models and dimensions.

record DUO door operator for heavy door installations

The record DUO model is the extra-strong automatic door operator for particularly heavy door installations. This door operator, which can be supplied as a single-leaf or double sliding door, is able to easily move door leaves with weights of up to 2 x 200 kilograms. A special suspension technique, robust bogie wheels and two motors make the realisation of unusual access solutions possible.



Double automatic sliding doors, draught lobby



Automatic sliding door for the emergency entrance



Attractive entry: a generous curved and concave sliding door Ø 6.50 m



healthcare



record

your global partner for entrance solutions

record – swing door drives

The record DFA 127 is a universal drive system for the automation of swing doors. It features sophisticated technology, compact design and incredible record-typical smoothness of operation. Our constructive approach to a broad range of applications makes it a full door drive suitable for a wide range of different applications.

Universal applications

These are possible because of its modular construction and electro-mechanical operation. When the door opens or closes using the drive, tension is simultaneously added to the spring integrated in the housing. The counter movement is powered using the energy stored in the spring, which, depending on requirements, can also be motor assisted. Even without motor assistance, ingenious mechanics ensure optimal force is distributed over the entire swing area. This is necessary to ensure the door arrives at its end position in spite of resistance from drafts, for example, and corresponds to the norms and standards of the relevant safety requirements.

The record DFA 127 can be used with door sizes of EN4 to EN6. The different spring forces required can be quickly and accurately adjusted on the spot using a special screw.

The right choice every time

The record DFA 127 FULL POWER and LOW ENERGY versions are the correct choice when you need a door capable of meeting conflicting requirements. Extremely strong, the FULL POWER version can move doors of several hundred kilos, whereas the kinetic energy of the LOW ENERGY model is limited to 1.6 joules, enabling it to operate safely without safety sensors.

For escape routes and fire protection applications, we provide the INVERSE and FIRE versions. Externally identical to the others, these are basically other variations of the record DFA 127 electro-mechanical swing door drive.

Possible variations:

- Dual swing door, with or without master / slave operation
- Energy saving mode, adjustable opening of one or both door leaves (sister opening)
- Integrated sequential control for double leaf fire door applications
- Interlock function for two single doors installed consecutively
- Direction-oriented opening for two-way traffic in corridors
- Normal opening or closing





// healthcare



record

your global partner for entrance solutions

Special doors from record for specific requirements

record – highest hygiene requirements in all departments

For OP and clean rooms – record SEALCORD, the hermetically sealed sliding door

The hermetically closing record sliding door was developed in collaboration with specialists for operating theatres and clean rooms. This special door is characterised by its high functionality and sealing capability. The sealing system makes possible a controlled exchange of air for the room and a sealing level of up to 100Pa (no air flow measurable at $100\text{Pa} < 0.2\text{m}^3/\text{h}$). The special carrying rollers make silent operation possible, even with heavy doors, such as radiation-protection doors with lead inserts. The special door can also be manufactured with a glass insert or ventilation screen, and the especially smooth surface design prevents almost all accumulation of dirt. The hermetically airtight door record SEALCORD is built as a modular system and can be adapted to the respective requirements (door panel packed with foam material).

Stainless steel sliding door record CLEANCORD

For OP rooms or clean rooms in general OP, record offers the conceptually attractive sliding door – record CLEANCORD. This special door, manufactured completely from stainless steel, stands out through its modern design and its practical functionality. This model is also available as a radiation protection door or as a manual door (door panel packed with foam material).



Hermetically airtight automatic door SEALCORD



Single sliding door for clean room – made of stainless steel, CLEANCORD



The manually sealed sliding doors

If an automatic door operator is not required, a manual sliding door can also be built with the same door sealing system. The automatic system can then be retrofitted at a later date. Both door types can be built as manual variants. Various door leaf models can be supplied.



Access to the operating theatre – stainless steel door – glass flush with door surface



Telescopic door with radiation protection

Radiation protection door (SEALCORD and CLEANCORD)

The record automatic radiation-protection sliding door with filled panels and lead inserts meets the high requirements placed on radiology seals. This special door is available from record as both an automatic and manual sliding door.





// healthcare



record

your global partner for entrance solutions

Safety for personnel, patients and visitors – door systems for escape and rescue routes

Fulfil all relevant, country-specific safety regulations and standards

Redundant door operator systems RED

The redundant automatic door operator models are guaranteed to function, even if there is a loss of mains power or a system error occurs. All safety-relevant components are laid out redundantly in this door concept, and the required emergency function is continuously monitored by the automatic self-monitoring system of the controller. You can always rely on the record RED system.



Sliding door with break-out system, main entrance of old people's home



Automatic redundant sliding door with emergency opening system

CO48 safety system (France) – Emergency opening through mechanical energy

This escape route safety concept is characterised by a special mechanism that always opens the automatic sliding door if the main power fails. The system guarantees a once-only emergency opening by means of mechanical energy.



The record "Break-Out System" TOS

The record TOS automatic door operator is multi-functional: In the case of a power failure, the door leaf and the side screens can be swivelled out up to 90 degrees from any open position and be pushed to the side, so that a break-out solution is created for escape and rescue routes. This function is also ideal in normal daily use when bulky objects or goods transportation require wider entrance areas.

"Break-out" safety system FBO

The record folding doors (FBO), which are often used in tight space conditions, can also be used as escape or rescue route doors with the "break out" function. In cases of emergency and during loss of mains power, the track can be released from its holding device to swing out the door by applying light pressure to the folding-door leaf. The folding door is a compact and robust product that is particularly suitable for tight space conditions. In many cases, this door system is the perfect solution for restaurants, small businesses and generally in cases in which a normal sliding door cannot be installed for reasons of space.



2 sliding door in row with total opening system



The DFA 127 INVERSE automatic swing door operator that opens without electrical power

This extremely compact automatic door operator only shows its real value in an emergency. Because the DFA 127 INVERSE immediately opens through mechanical energy in the case of a power failure, while all other doors remain closed. Above all, this door system is suitable for use in large objects for safety and for emergencies, when heat and smoke should be specifically drawn away and fresh air should be allowed to enter.





/// healthcare



record

your global partner for entrance solutions

Safety door systems for the protection of buildings and persons

Building protection

→ record high-speed gates for internal applications

These have proved themselves to be effective heat barriers. Their fast opening and closing action reduces draughts and noise in a building and effectively separates areas with different room temperatures. The gates are robust and space-saving, and, with their rapid operation, permit a smooth and unhindered flow of the work traffic. record high-speed gates can be used for vehicle entrances or in the various service departments of a hospital complex (for example, for kitchen/food storage, laundry, delivery ramps etc.).



High speed gates



→ The robust record 065 RTA frame door system

This is the most robust system in the record product range (thermally separated profiles). The product is suitable for all locations where the highest requirements are placed on the everyday suitability of automatic doors. The construction of the frame door system is unimpressed by even the heaviest loading, such as when transport carriages or patient beds push the door open. As an option, the door can also be fitted with an emergency system, which would permit its use in escape and rescue routes. The door system can be effectively locked against break-in using the record hook lock.



Robust frame door with large profiles

The burglar-proof products from record

→ Inconspicuous anti-burglar protection – record SAFECORD (RC 2)

If certain areas/rooms are subject to an increased danger of burglary, they can be inconspicuously and effectively protected with the record SAFECORD. The particular strength of this solid system lies in its discreet security, combined with a door management system. On the first application of force to the door, an alarm will be sent to the responsible security service. The anti-burglar automatic door opening system is fitted with a special security glass and has recessed floor rails for even more stability.



→ The multipoint locking device from record

This is a well-thought-out locking system that offers additional security for buildings with high security requirements. The special locking device is also used in the inner area to safeguard the secure zones. The security aspect can be expanded even further through interconnection with an alarm system or a building management system.

→ record FlipFlow.

The FlipFlow is an automatic access in building system to ensure the one-way flow of persons. This door system is used building passageways where persons may only proceed in one specific direction. The automatic system is built as a tunnel concept and available in the variants TWIN, SINGLE or WIDE.





// healthcare



record

your global partner for entrance solutions

record technology and security devices – Protection of persons

Fire protection doors

E 30/EI 30 increase the safety of a building in an approved manner and guarantee the effective protective function against fire and smoke for a period of at least 30 minutes, so that people will be able to escape in case of fire. The fire protection doors from record are tested as a system, and can be used with or without escape route function. (VKF certificate in Switzerland, IBS ÖNORM Austria)

Smoke-resistant sliding door record 16 RS

The certified, innovative door system, which is fitted with a special sealing concept, operates reliably in normal operation, and seals quickly and efficiently against the entry of smoke in case of danger. In this way, escape routes remain free from smoke for a predefined time, so that an evacuation of the people in the building by the rescue team is possible without having to use protective equipment (PTE test certificate, Germany).



Fire proof sliding door (EI30) towards the corridor, Vienna, Austria



Automatic door with escape route system

Actuating devices and security sensor systems

record has a wide range of contact-less (non-tactile) and touch-sensitive (tactile) sensor products. The non-tactile products include the radar motion detectors that have been developed by record in various models and other sensor products, such as presence sensors, combined sensors, light barriers, light scanners, reflective sensors, light curtains or proximity switches. The record range of sensors also has redundant models for applications in escape and rescue routes.

The tactile sensors now also include flexible radio-controlled opening and access control systems (Easy Open, Easy Entry), which can be mounted without any difficulty as surface-mounted or flush variants without batteries or cabling.

The record sensor 290 family* system with bus-technology is perfectly matched to the record door controls. All products are protected with filters for perfect screening against electro-magnetic interference, such as radio frequencies, as well as against possible vibrations or the effects of the weather.

With the record radar motion detectors, the user can select various functional characteristics depending on his needs and on the situation. The possibilities available are, for example, variable direction scanning, fading out of cross-traffic, slow-motion detection or characteristics of the sensing field.



Fire proof sliding door (EI30), Zurich, Suisse



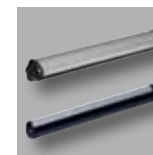
RAD 290



RIC 290 combined sensor



RAD 290 flush-mounted model



Safety and security sensors



BDE-D slim-line (44 x 92 mm)



Key operated contact SSK



AIS 290 detection sensor



Elbow switch



Foot switch



Hygiene switch



Easy open (radio opening system)



Go free (radio opening system)



* The record sensor products fulfil all relevant and country-specific EN standards



// healthcare



record

your global partner for entrance solutions

record system 20 – Inspection and Maintenance Services

We have been manufacturing and marketing automatic door systems since 1953. The very first applications were to operate doors in laundries, but automatic door drives rapidly developed into attractive entrance systems with very different functional principles, initially driven by time-saving needs. Later came the prestige element, and today our door systems enhance the architecture of any building, actively contributing to its security and safety, and saving energy by reducing heating and air conditioning costs.

In the course of these developments, our products have become increasingly more refined, their functionality more comprehensive and their operation more convenient and user-friendly. At the same time, the legal requirements have become more demanding in order to enhance operational safety.

The right service package for your needs

Today there are over 8000 record automatic door systems installed all over Switzerland, our home market, still operating smoothly, even after 20 years or more! Our customers use them every day and this enhances their satisfaction. Reliability such as this is only possible with a combination of clear aims and goals, the highest standards of design, construction and installation, and long-term maintenance by record's highly skilled in-house service technicians.

For your automatic door to function smoothly over decades and be able to fulfil the relevant safety and security regulations, periodic servicing and maintenance is unavoidable. Benefit from the flexibility of a record maintenance contract, which will allow you to vastly reduce your operational and maintenance costs.

Your nearest record partner

Inspection and maintenance have a particularly high priority at record. The fact that record products are designed and built to last a long time also means they face changing legal requirements. To avoid unpleasant situations for our customers, we make it our priority to personalise our service and maintenance packages, enabling you to fully meet your legal requirements of due diligence.

In consultation with you, our advisor will find the ideal maintenance and service package to meet all your needs.

To know more, please get in touch with your record partner!



Contact

→ **record UK limited**

Head Office: Garrion Business Park, Smith Avenue – Wishaw, ML2 0RY – UK

Central Office: 450a Bradford Road – Batley, WF17 5LW – UK

Southern Office: 17 Invincible Road – Farnborough, GU14 7QU – UK

tel.: +44 1698 376411 – fax: +44 1698 376422 – info@recorduk.co.uk – www.recorduk.co.uk

→ **record international**

record international ltd – Allmendstrasse 24 – 8320 Fehraltorf – Switzerland

tel.: +41 44 954 91 91 – e-mail: international@agta-record.com – www.agta-record.com

→ **Headquarters**

agta record ltd – Allmendstrasse 24 – 8320 Fehraltorf – Switzerland

tel.: +41 44 954 91 91 – e-mail: info@agta-record.com – www.agta-record.com



www.agta-record.com



record
your global partner for entrance solutions