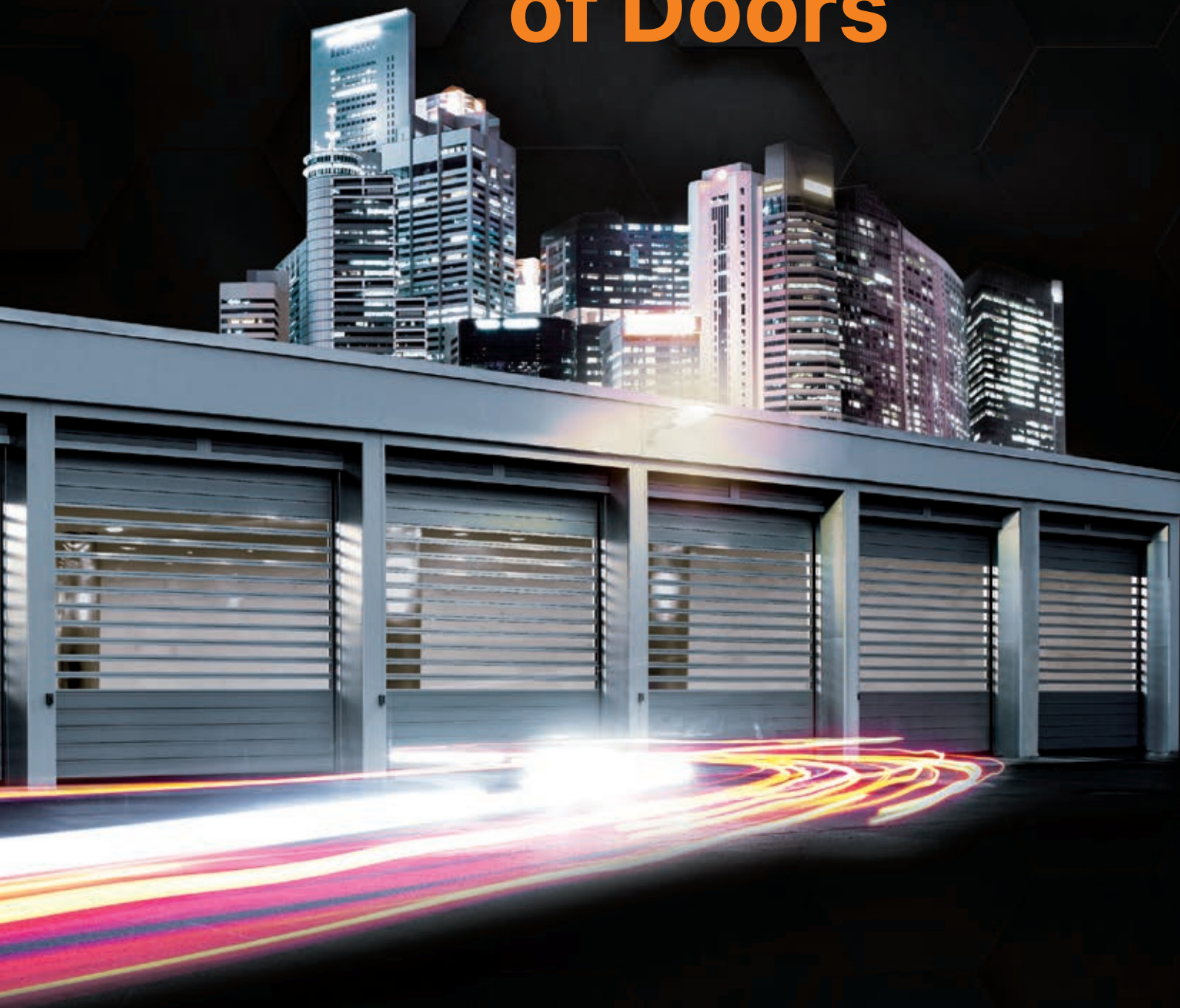


The World of Doors



EFAFLEX 
safe high-speed doors



Modern industrial doors for the highest demands.

Discover the whole world of EFAFLEX high-speed doors. We use innovative engineering to create individual industry solutions – with maximum reliability, safety, and efficiency. More than 1,400 employees worldwide ensure your complete satisfaction.





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Maintenance, testing, spare parts
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EFAFLEX – Family business and global player



THE WORLD LEADER IN HIGH-SPEED DOORS

In 1974, **EFAFLEX** was the first company in the world to exclusively focus on high-speed doors. Our vision from then has developed into our technological edge today – it determines our thoughts and actions of tomorrow: Technology leader in high-speed doors – worldwide.

As the only manufacturer in the field of high-speed industrial doors, EFAFLEX is listed in the world market leader index and is therefore one of the top companies in Germany, Austria, and Switzerland. The family company employs more than 1,400 people worldwide and works for clients from industry, trade, food production and the chemical and pharmaceutical sectors, among others.

OUR VALUES



LOYALTY



SUSTAINABILITY



RESPECT



TRUST



QUALITY



INTEGRITY

ON SITE FOR YOU WORLDWIDE

At our headquarters in Bruckberg near Munich, EFAFLEX is firmly anchored as the largest employer in the region. In addition, the company opens up international markets with ten subsidiaries on five continents. EFAFLEX generates more than 60 percent of its turnover abroad. With our international service network, we are always nearby, anywhere in the world.



OUR FOUNDATION: STRONG VALUES THAT ARE LIVED

Our success as world market leader is based not only on our extraordinarily extensive technical know-how, decades of experience, and our dynamic, innovative research and development department.

What makes us strong are our values and the people at EFAFLEX who live these values: Loyalty and integrity, respect for our environment and sustainable action in the entire supply chain. At EFAFLEX we are convinced that the quality of our doors is not just a product feature. This quality is the prerequisite for our customers to place their trust and respect in us. That's what counts for us.

Quality on all levels. For your success.

Performance at the highest level has a long tradition at EFAFLEX: Trust our innovative designs for high-speed industrial doors, which have been meeting the highest standards of functionality, reliability and quality for over 45 years. We use the best quality components, most of which come from our own development and production. With EFAFLEX doors you buy quality that quickly pays for itself.



We meet your high demands on the performance, quality, and safety with our doors every day, worldwide. That is why EFAFLEX has been your reliable partner for premium doors for over 45 years.



QUALITY DOORS FROM THE MARKET LEADER

With the development of the spiral door, EFAFLEX revolutionized and shaped the entire industry with a technical world first. Whether spiral, roll-up or folding door, whether clean room or machine protection door - EFAFLEX sets standards in premium quality.

You benefit from the long service life, low wear and tear, and the consistently low operating costs of your doors. Combined with our high service quality for maintenance and repairs, with EFAFLEX you can rely on the best partner for your door system.



SERVICE QUALITY

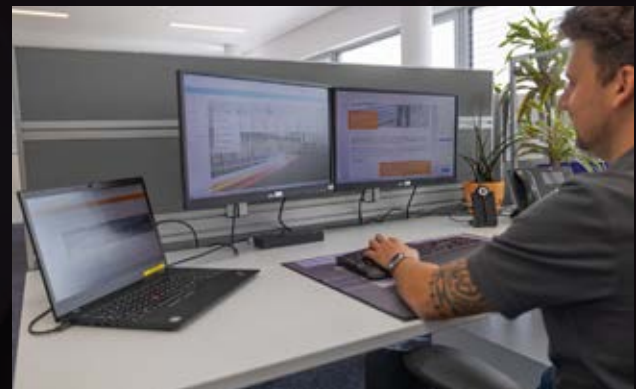
Around the clock and around the world: The company's own EFAFLEX service technicians are always at your side throughout Germany. All employees in our international service network also receive extensive training on a regular basis.



HOLISTIC QUALITY MANAGEMENT

EFAFLEX doors are able to operate under extreme conditions. The highest standards of quality and safety are therefore our top priority. Our internal quality management covers all relevant areas of our added value.

In addition, EFAFLEX has been the first door manufacturer to have its high-speed doors regularly checked by the IFT for their durability of the performance since 2005 and have been consistently certified since 2008.



DATA QUALITY

From planning to completion: EFAFLEX works with the world's leading BIM platforms (Building Information Modeling). This makes the cost calculations and planning of your building simpler, faster, safer, and more accurate.



Our gateway to greater sustainability.

As a family company, we think and act holistically. That's why we produce premium doors with a long service life, low wear and tear and low operating costs. Optimise your energy and operating cost balance with EFAFLEX and save valuable resources in the long term.

**WITH EFAFLEX HIGH-SPEED DOORS
SAVE UP TO €5,000 ON ENERGY COSTS AND
12 TONNES OF CO₂ PER YEAR:**



HIGH OPENING AND CLOSING SPEEDS

With opening and closing speeds of up to 4 m/s, the EFAFLEX high-speed doors ensure low air exchange and effectively counteract heat loss. In this way you reduce your energy consumption and your CO₂ emissions longer term.



HIGH QUALITY MATERIALS

Thanks to high-quality materials and intelligent design, our doors can be recycled by type. We prefer to purchase aluminium, steel and electrical components from local and European suppliers – taking material compliance into account.



OPTIMISED THERMAL INSULATION

EFAFLEX high-speed doors are characterised by their special tightness and excellent thermal insulation, which reduce heat loss, prevent thermal bridges, lowering your heating costs in the long term. In this way, U-values of less than 1 W/m²K can be achieved.



GUARANTEED LONGEVITY

While doors from other manufacturers need to be replaced after three to five years, EFAFLEX high-speed doors have a service life of more than 10 years and can achieve several million cycles. This saves energy and assembly trips and protects the use of resources, raw materials, and production energy. This is officially documented by the EPD (Environment Product Declaration). In addition, the purchase pays for itself within a much shorter period of time.

The digital world of EFAFLEX.

Networked doors, online product platforms and digital business processes - when it comes to digitization, EFAFLEX is at the forefront. The areas of Industry 4.0, Smart Factory and Internet of Things are just as much a focus as the digitization of various work areas.



THE INTELLIGENT NETWORKING: EFA-SMARTCONNECT®

With EFA-SmartConnect®, EFAFLEX offers the IoT solution for intelligent, networked doors. The free, user-friendly app enables central monitoring and displays the status of all doors clearly and in real time. According to the diagnosis – service – maintenance principle, you can prevent faults in good time and also plan maintenance in advance. This not only minimises downtimes, but also lowers operating costs.



**VIDEO SUPPORT BY SMARTPHONE:
EFA-SMARTASSIST®**

Do you have a request where the factors of response and travel time or costs are critical? With EFA-SmartAssist®, a normal phone call becomes a solution-oriented video support. You will be invited to the digital assistant via SMS on your smartphone without having to install an app. With the data protection-compliant functions such as live video, chat, location or HD photo, we can carry out a digital fault analysis and elimination for you and in many cases a damage assessment without being on site.

**CREATE DIGITAL PLANS:
WITH BIM (BUILDING INFORMATION MODELING)**

EFAFLEX is currently represented in seven categories with over 50 different door types in German, English, and French on the world's leading BIM platforms. The BIM models are available for the three most popular programs - Revit, AutoCAD, and ArchiCAD.

**Good reasons
for EFAFLEX.**



TAKE INNOVATIVE APPROACHES TOGETHER



With an EFAFLEX high-speed door, you decide in favour of the world's leading technology and benefit exclusively from our technical advantage. We live doors and are not satisfied with the successes we have achieved. That is why we are constantly working on continuous improvements of our products and developing new solutions for your areas of application.

KNOW-HOW YOU CAN TRUST



Whether it is a general initial consultation about our doors or individual requirements and needs for a special project – our employees are supremely trained and are always at your side.

THINK ABOUT SUSTAINABILITY AND PASS IT ON




As a family business, we understand how important sustainable work is to enable future generations to live and work. Our actions are therefore characterised by sustainability and environmental awareness. With our services and products, we pass these values directly on to you.

QUALITY THAT PAYS



Our self-image of innovative engineering is the basis for the top quality of our high-speed doors. Based on ground breaking constructions, we create technology that enables maximum reliability, efficiency, and durability. Premium quality pays off – you save permanently.



A photograph of a modern industrial building with a facade of horizontal slats. Several large spiral doors are visible, some of which are partially open, revealing the interior. The image is overlaid with a dark, hexagonal pattern on the right side.

High-speed spiral doors

**When it comes
to it, speed
matters.**

The spiral. Often imitated – but unrivalled to this day.



It was more than 25 years ago that EFAFLEX invented the spiral door, and it has been further developed on a consistent basis as an innovation leader ever since. The EFAFLEX spiral door stands for door leaf guidance to perfection: the door leaf is not wound on a shaft, but kept at a space-saving distance by the spiral-shaped guidance system. Thanks to this mechanical principle, the spiral doors from EFAFLEX operate exceptionally quietly, are almost wear-free and extremely fast.

The spiral door technology from EFAFLEX remains unrivalled to this day and exemplary for worldwide door technology. No other design is able to combine the highest opening speeds, durability and effectiveness so well. Our high-speed spiral doors are also available in a wide range of designs and can be installed where space is limited.

The new generation in spiral technology. **EFA-SST®**

The EFA-SST® high-speed spiral door represents a new generation of industrial doors: perfect insulation, energy-efficient functionality, state-of-the-art technology. During the technical redesign, particular attention was paid to improving the physical properties of the door leaf as well as optimising the functionality, thus once again raising the standard of EFAFLEX industrial doors.

EFA-SST® AT A GLANCE:

- Max. heat insulation with EFA-THERM® laths
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes of up to w=10,000 mm, h=12,000 mm



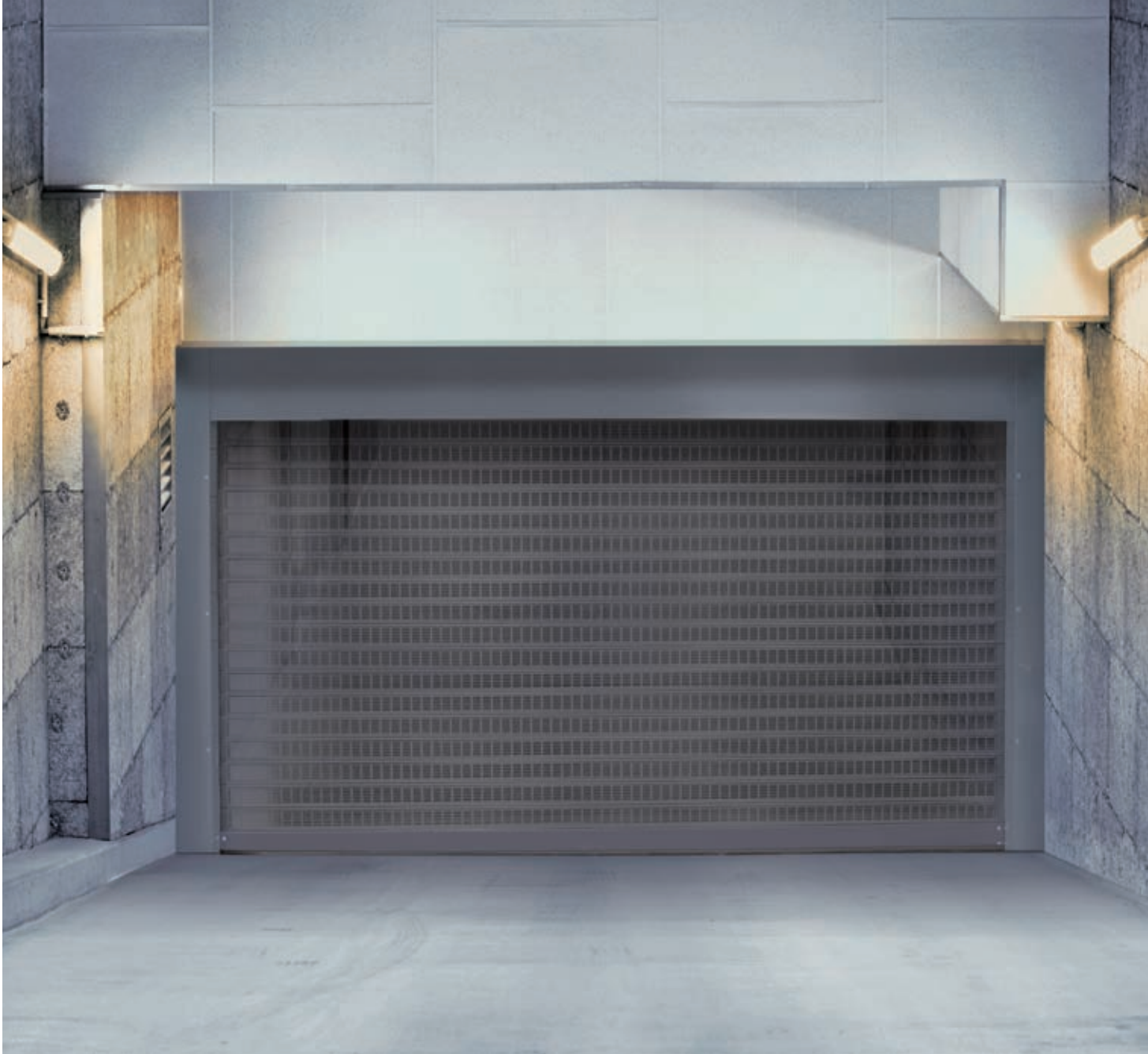


**EFA-SST® ESSENTIAL
AT A GLANCE:**

- Excellent acoustic and thermal insulation
- Wind resistance class 2 – 4
- Up to 100,000 load cycles p.a.
- Suitable for external and internal applications
- Opening speed of up to 0.5 m/s
- Standard sizes of up to w=4,500 mm, h=5,000 mm

The entry-level with best price-performance. **EFA-SST® Essential**

Powerful, robust, economical: An attractive purchase price and the consistently high quality standards that are customary to EFAFLEX make the EFA-SST® Essential high-speed spiral door the price-performance champion. The homogeneous design of the spiral guarantees a smooth running performance while also maintaining adequate high speed.



The fastest parking garage door in the world. **EFA-SST® PS**

The EFA-SST® PS is a space-saving door specially developed for parking and garage systems and can be optimally installed even with minimal space in the lintel or side case area. In addition, it also features the typical properties of every EFAFLEX high-speed door: safe, reliable and incomparably fast.

EFA-SST® PS AT A GLANCE:

- Space-saving construction
- Opening up to 1.8 m/s
- Closing up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 200,000 operating cycles p.a.
- Standard sizes of up to
w=6,100 mm, h=4,000 mm



The transparent turbo door.

EFA-STT®

Thanks to laths made of crystal-clear acrylic glass, the door leaf of the EFA-STT® is over 70 percent transparent – this makes it a unique high-speed door worldwide: robust and yet almost completely translucent. The ability to see through the door offers advantages where two way traffic occurs: Accidents are prevented and smooth transport operations are guaranteed.

EFA-STT® AT A GLANCE:

- The door leaf consists at 70% of crystal clear acrylic glass
- Opening speed up to 3.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 200,000 operating cycles p.a.
- Standard sizes of up to w=8,000 mm, h=7,800 mm





EFA-STR®
AT A GLANCE:

- EFA-ACS® with self-repairing door leaf optional
- Opening speed up to 4.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes up to w=7,000 mm, h=6,000 mm

The fastest vertically opening door in the world.

EFA-STR®

The high-speed turbo roll-up door EFA-STR® opens at an incredible speed of over 4 m/s thanks to its spiral technology, making it our fastest vertically opening door. With the EFA-STR®, your logistic processes become faster and more efficient. The combination of a spiral door leaf support and flexible curtain ensures an optimal traffic flow.

Everything revolves around. **EFA-SST® Classic**


Copied a thousand times, yet still unequalled. The tried and tested fundamental principle of EFAFLEX high-speed spiral doors remains unbeatable! The door blade is not rolled up on a shaft, but is guided into the EFAFLEX spiral instead, saving space and virtually wear free operation.

EFA-SST® CLASSIC AT A GLANCE:

- Aluminium laths double-walled
- Opening speed up to 2.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes of up to
w=8,000 mm, h=7,000 mm





A photograph of a long, bright industrial corridor. On the left side, there is a series of high-speed roll-up doors. In front of each door is a yellow safety railing. The floor is a light-colored, polished concrete. The ceiling is white with recessed lighting. The right side of the image is overlaid with a dark, semi-transparent hexagonal pattern.

High-speed roll-up doors

**Versatility as
a concept.**



The reliable All-rounder. **EFA-SRT® Premium**

The heavy duty roll-up door EFA-SRT® is a real all-rounder! It can be used as inside door or as additional hall closure. The high-speed roll-up door Premium EFA-SRT® is a high-quality solution especially for areas that are frequently used by forklift trucks. EFAFLEX roll-up doors are available in galvanised steel or stainless steel. For reliable, long-lasting operation of the roll-up doors, all components are streamlined and are characterised by high ease of maintenance.

EFA-SRT® PREMIUM AT A GLANCE:

- Clean room version available
- Hygiene version available
- Heavy-duty inside door
- With crash protection as option
- Opening speed up to 2.0 m/s
- Closing speed up to 0.75 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to
w=6,000 mm, h=6,000 mm





EFA-SRT® ECO
AT A GLANCE:

- Ideal for materials-handling technology
- Space-saving design
- Excellent price-performance ratio
- With crash protection optional
- Opening speed up to 2.0 m/s
- Closing speed up to 1.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=6,000 mm, h=7,000 mm

The economical interior door.

EFA-SRT® ECO

The EFA-SRT® ECO roll-up door is an extremely economical door system. Special structural preparations are not necessary due to the space-saving design, for example the very slim side door frames. Thus, the EFA-SRT® ECO can be applied in more situations than any other roll-up door.



The compact and robust interior door.

EFA-SRT® Value

The economical EFA-SRT® Value high-speed roll-up door provides solid basic equipment. The gearless drive ensures high opening and closing speeds in continuous operation through power transmission by means of a chain. The integrated door leaf tensioning system keeps the door leaf permanently under tension during closing, which ensures perfect opening and closing of the curtain.

EFA-SRT® VALUE AT A GLANCE:

- Leading light barrier as standard
- Slim line dimensions
- High door leaf tension
- Gearless drive
- Durable tear-resistant PVC curtain
- Opening speed up to 1.7 m/s
- Closing speed up to 0.8 m/s
- Up to 150,000 operating cycles p.a.
- Max. sizes, w=3,000 mm, h=3,000 mm



**EFA-SRT® SOFT TOUCH
AT A GLANCE:**

- With frequency converters
- Control on the door frame
- With crash protection as standard
- Opening speed up to 2,0 m/s
- Closing speed up to 0.75 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=4,500 mm, h=5,000 mm

The flexible multi-talent.

EFA-SRT® Soft Touch

The EFA-SRT® Soft Touch high-speed roll-up door is an interior door specially designed for intensive industrial use. It is collision-resistant, reliable, space-saving and low-maintenance and therefore particularly recommended for areas of application with heavy passenger traffic.

The hygienic high-speed roll-up door. **EFA-SRT® EC**


The EFA-SRT® EC was developed in close cooperation with the food industry. The hygienic high-speed roll-up door is the optimal solution for all internal passages with high requirements regarding hygiene, for example in the food industry. The EFA-SRT® EC is the only hygienic roll-up door for the food industry recommended by the German Association of Food Inspectors (BVLK).

EFA-SRT® EC AT A GLANCE:

- Easy to clean
- Space-saving design
- Slanted end shield and winding shaft cover
- In stainless steel design
- Frame extension is possible on one or both sides
- Opening speed up to 2.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=4,000 mm, h=4,000 mm





The image shows a dark, industrial environment. On the left, a large, multi-paned folding door is partially open, revealing a glimpse of a brightly lit interior space with structural elements. The right side of the image is dominated by a dark, textured wall with a subtle hexagonal pattern overlay. The text is positioned on the right side, over the dark background.

High-speed folding doors

**The perfect
aesthetics and
functionality.**



EFA-SFT®
AT A GLANCE:

- Fast, robust, economical
- Low space requirement
- Excellent price-performance ratio
- Also in pneumatics design
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Up to 200,000 operating cycles p.a.
- Standard sizes up to w=8,000 mm, h=6,000 mm

The folding door for outside and inside.

EFA-SFT®

The EFA-SFT® combines functionality and aesthetics. Due to the patented modular structure, it is easy to repair and low-maintenance. Particularly large doors are fitted with special floor stoppers, to additionally stabilise the closed wing in the middle area.

The folding door for maximum thermal insulation.

EFA-SFT® THERM

When developing the EFA-SFT® THERM, the focus was to achieve exceptional thermal insulation to meet modern requirements. The sophisticated construction minimises cold bridges. For example, the leaf cases (standard: microstructure paint RAL 7042) are made of thermally separated, zinc-plated and roll-formed steel profiles in which a continuous “isolator” made of GFK is used between the inner and outer cover profile.

EFA-SFT® THERM AT A GLANCE:

- Quick, robust, economical
- Minimum space requirement
- Thermally insulated steel profile construction
- Infills utilize EFA-THERM® laths
- Triple PMMA glazing optional
- Opening speed up to 1.0 m/s
- Closing speed up to 0.6 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to
w=5,250 mm, h=7,000 mm







Deep freeze

Constant temperatures and low energy consumption.

Doors in cooled spaces must withstand extremely high loads. Top quality and perfect workmanship are paramount for ensuring that all components are absolutely resistant to cold and humidity. Moreover, it is essential to avoid door downtime, otherwise the cold could escape and goods could thaw, which would result in higher energy consumption and costly waste.

EFAFLEX high-speed doors for deep freeze areas operate reliably, open and close in a few seconds and thus minimise air and temperature exchange. Thanks to innovative door designs with thermally separated door cases and laths, our high-speed doors for deep freeze areas close almost hermetically and ensure excellent thermal insulation.



EFA-SST® ISO 60
AT A GLANCE:

- Max. heat insulation with EFA-THERM® laths
- k-value up to 0.8 W/m² K
- 60 mm thick door leaf
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Up to 250,000 operating cycles p.a.
- Standard sizes up to w=6,000 mm, h=6,000 mm

The closing door for thermo-regulated zones. **EFA-SST® ISO 60**

Doors in cooled spaces must withstand extremely high loads. Top quality and perfect workmanship are paramount for ensuring that all components are absolutely resistant to cold and humidity. EFA-SST® ISO 60 is the ideal closing door for frequent openings with high requirements for insulation, as is the case in cooling rooms, for example. The EFA-SST® ISO 60 combines two EFAFLEX door technologies into one innovative solution: the spiral and highly insulating laths. In addition, high-quality seals prevent air and temperature exchange. The combination of these components makes the EFA-SST® ISO 60 a supremely insulated door.

The specialist for minus degrees. **EFA-SST® TK-100**

The EFA-SST® TK-100 high-speed spiral door is the first true single-door solution for freezer areas. In addition to the highest opening and closing speeds, it achieves the best insulation values for spiral doors and thus represents a high-quality solution for every deep-freeze room.

EFA-SST® TK-100 AT A GLANCE:

- Optimal single door solution
- Frames and laths thermally separated
- Almost hermetically sealed
- Opening speed up to 2.0 m/s
- Closing speed up to 0.5 m/s
- Highest U value 0.62 W/m²K
- Up to 200,000 operating cycles p.a.
- Standard sizes of up to w=4,000 mm, h=6,000 mm max. 18 m²







Machine protection.

Highest safety standards and smooth processes.

Stable production cycles as well as rapid changes between product sealing and further processing without downtimes lead to increased demands on automated processes in industry. Nevertheless, the safety of employees in production and manufacturing is of paramount importance, where the risk of incidents and accidents should be minimised.

Machine protection doors from EFAFLEX meet the highest safety standards for the protection of man and machine and whilst guaranteeing smooth processes in your production. Our product portfolio for machine protection includes both foil roll-up doors and high-speed spiral doors.



Machine protection door for the industry.

EFA-SST® MS

The EFA-SST® MS high-speed spiral door has been specially developed for industrial applications, as stand-alone separating safety guard that fulfils all requirements for a safe and modern machine protection door. We are the only manufacturer of industrial doors to also implement our spiral technology and the flexible hinge chain for optimum performance in our machine protection doors.

EFA-SST® MS AT A GLANCE:

- Functional safety performance level »d«
- Opening speed up to 2.7 m/s
- Compact extruded aluminium laths
- Up to 250,000 cycles p.a.
- Maximum of 7 cycles per minute
- Life cycle 12 years
- Standard sizes of up to
w=3,000 mm, h=3,000 mm





EFA-SRT® MS **AT A GLANCE:**

- Functional safety performance level »d«
- Maximum speed up to 1.8 m/s
- Door curtain made from transparent flexible PVC
- Special curtains are available on request
- Up to 250,000 cycles p.a.
- Maximum of 7 cycles per minute
- Life cycle 12 years
- Standard sizes of up to w=5,000mm, h=3,500mm

The classic for machine safety.

EFA-SRT® MS

Due to its space-saving and compact design, the EFA-SRT® MS high-speed roll-up door satisfies all requirements for optimum integration into the required safety guard. The door leaf is fully transparent and equipped with warning strips as a standard. Coloured, highly tear-resistant and transversely stable curtains as well as welding protection curtains are also readily available. All curtain versions are, of course, free of substances which are detrimental to paint adhesion.

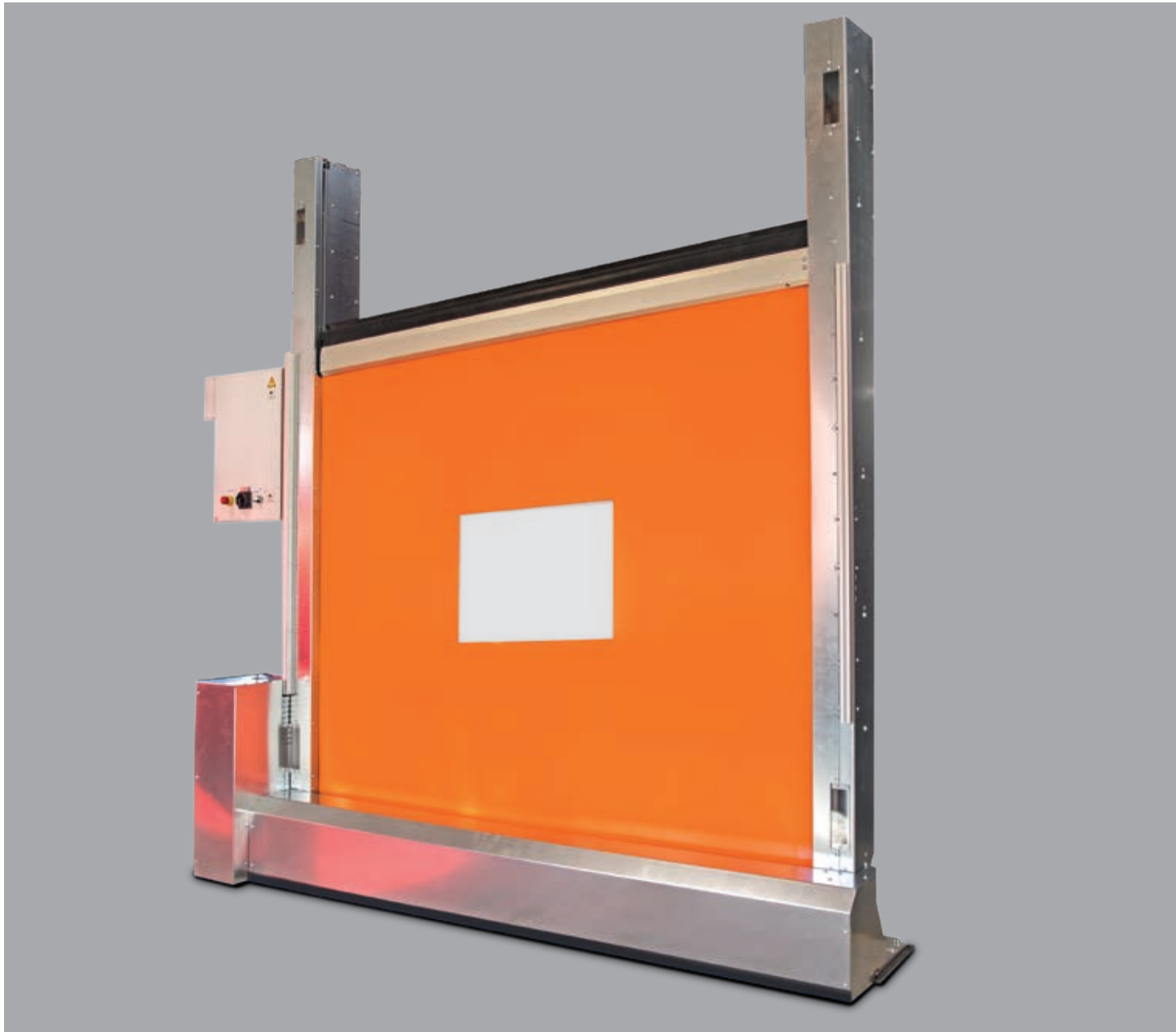
The upside-down high-speed door.

EFA-SRT® MS USD

The EFA-SRT® MS USD is the first EFAFLEX machine safety door that closes from the bottom up. This reliable, space-saving and low-maintenance upside-down high-speed door was developed specifically for heavy-duty industrial applications. A particularly powerful pulling device which pulls the end-shield upwards is installed in the door cases.

EFA-SRT® MS USD AT A GLANCE:

- Use as a movable separating safety guard
- Door leaf made of flexible, transparent PVC
- Functional safety performance level »d«
- Opening speed up to 1.8 m/s
- Up to 250,000 operating cycles p.a.
- Maximum of 7 cycles per minute
- Life cycle 12 years







Clean rooms

Maximum air tightness and hygienic design.

Modern development and production processes in research and industry require special environmental conditions in which the concentration of air-borne particles may not exceed a certain level. Clean room doors from EFAFLEX are perfectly adapted to the requirements in controlled production zones.

They impress with their high air tightness in combination with a sophisticated door leaf guide, in order to prevent unwanted air exchange in the event of pressure differences. The smooth surface structure and the edgeless design of the high-speed doors facilitate cleaning and minimise particle deposits.



The special door for clean rooms.

EFA-SRT® CR Premium

With the EFA-SRT® CR Premium high-speed roll-up door, EFAFLEX has developed a door for the specific requirements of clean rooms (GMP). Even with high pressure on the door curtain, the air exchange is constantly reduced to a minimum, which increases the service life of air filters. The door model offers an outstanding, hygienic design with reduced surfaces to prevent particle deposits.

EFA-SRT® CR PREMIUM AT A GLANCE:

- Almost airtight
- Smooth surface structure
- Also for air locks
- Opening speed up to 1.0 m/s
- Closing speed up to 0.5 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=2,500 mm, h=3,000 mm





EFA-SRT® CR EFFICIENT AT A GLANCE:

- Almost airtight
- Extremely slim frame
- Certified up to ISO Class 6
- Opening speed up to 0.8 m/s
- Closing speed up to 0.5 m/s
- Up to 100,000 operating cycles p.a.
- Standard sizes up to w=3,000 mm, h=3,500 mm

The efficient clean room door. EFA-SRT® CR Efficient

The EFA-SRT® CR Efficient high-speed roll-up door was specially designed for use in clean rooms with medium requirements. The particularly narrow door frames allow for a space-saving and visually appealing installation, even in confined spaces. Thanks to an integrated absolute encoder, the door can immediately return to automatic operation even after a power failure, without the need for a manual synchronisation run.

The hermetic vertical sliding hatch.

EFA-HVS® CR

The EFA-HVS® CR is the optimal hermetic locking device in confined spaces. The maximum size of the EFA-HVS® CR is 1,300 × 1,500 millimetres. Due to its small size, the vertical sliding hatch can withstand extremely high pressure differences.

EFA-HVS® CR AT A GLANCE:

- Door leaf made of stainless steel
- Almost airtight
- Vertical movement
- Opening speed up to 1.0 m/s
- Closing speed up to 0.75 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to
w=1,300 mm, h=1,500 mm





EFA-SRT® CR-C **AT A GLANCE:**

- Opening speed up to 2.0 m/s
- Designed for 200,000 load changes p.a.
- Sizes:
w=3,500 mm, h=3,500 mm
- EFA-TRONIC® control fully integrated in the construction (ISO Class 6)
- 2 mm Transilon curtain in various colours with/without viewing window
- Stainless steel or powder coating according to RAL
- TÜV Certification for clean room Class 6 or 7 according to ISO 14644-1
- Manual opening by spring force

The space-saving door for clean rooms.

EFA-SRT® CR-C

With the EFA-SRT® CR C, EFAFLEX has developed a door for the specific requirements of the clean room industry, where efficient sealing and installation dimensions are critical factors. The door is TÜV-certified for use in clean rooms of ISO Class 6 or 7. It is characterised by its compact design with minimal space requirement and slim frames, whilst the EFA-TRONIC® control is fully integrated into the construction (version ISO Class 6).

The turbo door for full visibility.

EFA-STT® CR

If speed is of the essence, the EFA-STT® CR transparent clean room door is the best solution. Thanks to the spiral, this high-speed door opens and closes reliably at a speed of up to 2.5 m/s. It is particularly useful when the exchange of pressure and atmosphere is to be minimised, for example during inertisation for dry fire prevention.

EFA-STT® CR AT A GLANCE:

- The door leaf consists at 70% of crystal clear acrylic glass
- Almost airtight
- Also for material locks
- Opening speed up to 2.5 m/s
- Closing speed up to 0.75 m/s
- Up to 200,000 operating cycles p.a.
- Standard sizes up to w=4,000 mm, h=5,000 mm







Burglar protection

Certified security without limitations.

Burglary and robbery are not uncommon and are usually planned beforehand and well organised by criminal networks. Alongside their own employees, machines, materials and stock are the most important assets for many companies. This makes reliable and secure burglary protection all the more important.

Certified security doors from EFAFLEX help to ensure maximum security for your business without having to sacrifice the speed of an efficient high-speed door. Your processes remain quick and efficient while your valuables receive the best protection.



The most secure high-speed door in the world. **EFA-SST® Secure**

With the EFA-SST® Secure, you can provide maximum protection to the people around you without having to forego the speed of an efficient high-speed door. The door fits seamlessly into the structure of the building and impresses with top opening and closing speeds. Your processes remain quick and efficient while your valuables receive optimum protection. With our Secure series you will find the perfect solution for virtually every security application.

EFA-SST® SECURE (RC 3) AT A GLANCE:

- Resistance Class RC 3 in accordance with DIN/TS 18194:2020 – RC 3
- Patented technology
- Tested and certified by ift Rosenheim
- Automatic locking during every closing procedure
- Emergency opening by tension springs
- Opening speed up to 1.0 m/s
- Closing speed up to 0.6 m/s
- Up to 250,000 operating cycles p.a.
- Max. sizes, w=4,000 mm, h=5,000 mm

EFA-SST® SECURE (RC 4) AT A GLANCE:

- Resistance Class RC 4 in accordance with DIN/TS 18194:2020 – RC 4
- Patented technology
- Tested and certified by ift Rosenheim
- Automatic locking during every closing procedure
- Emergency opening by tension springs
- Opening speed up to 1.0 m/s
- Closing speed up to 0.6 m/s
- Up to 250,000 operating cycles p.a.
- Max. sizes, w=4,000 mm, h=5,000 mm

The tailored safety solution.

EFA-SST® Efficient

Cramped installation situations require a tailored solution which fits in with the given conditions. With the high-speed spiral door EFA-SST® Efficient, EFAFLEX offers a compact and springless door which can also be positioned in locations with confined installation space. The scope of application for the EFA-SST® Efficient ranges from use indoors through to use as a secure hall door. With an on-site canopy, the high-speed door can also be installed outdoors.

EFA-SST® EFFICIENT AT A GLANCE:

- Slim frame for confined installation locations
- Chain drive ensures minimal maintenance costs
- Resistance Class RC 2 in accordance with DIN V ENV 1627-1630:1999-04
- Opening and closing speed up to 0.5 m/s
- Up to 150,000 operating cycles p.a.
- Max. sizes, w=4,000 mm, h=5,130 mm
- Tested and certified by ift Rosenheim







Explosion protection

Reliable and effective explosion protection.

In many companies, there are areas of production where potentially explosive substances are used, which can create a dangerous explosive atmosphere. It is essential that there is no sparking here. The areas are classified into so-called EX Zones depending on the probability of the occurrence of this atmosphere: 0, 1, 2, 21 and 22.

The high-speed doors in the EFAFLEX EX Series are specially designed for use in potentially explosive atmosphere in accordance with ATEX Directive 2014/34/EU. In this respect, the mechanical explosion protection is aligned to the requirements of the corresponding EX Protection Zone. All the doors in the EX Series are suitable for use in EX Zones 1 and 2 and optionally on request in EX Protection Zones 21 and 22, and therefore guarantee the highest levels of safety for employees, products and facilities.



EFA-SST® EX AT A GLANCE:

- For use in explosion Protection Zones 1 and 2, optionally on request in EX Protection Zones 21 and 22
- Highest wind load capacity
- Up to 200,000 operating cycles p.a.
- Suitable for external and internal applications
- Opening speed up to 1.0 m/s
- Closing speed up to 0.5 m/s
- Standard sizes up to w=4,000 mm, h=5,000 mm

The hall door for potentially explosive atmospheres.

EFA-SST® EX

The EFA-SST® EX is designed for both outdoor and indoor use in potentially explosive atmospheres. In addition to high opening and closing speeds, it particularly impresses with a solid door leaf with high wind resistance and optimal sealing. The door leaf consists of double-walled aluminium laths that be combined with transparent laths.

It is also possible to have the door leaf composed entirely of transparent laths. Due to the no-contact support of the laths in the spiral and the associated wear-free movement, their transparency is guaranteed for many years.

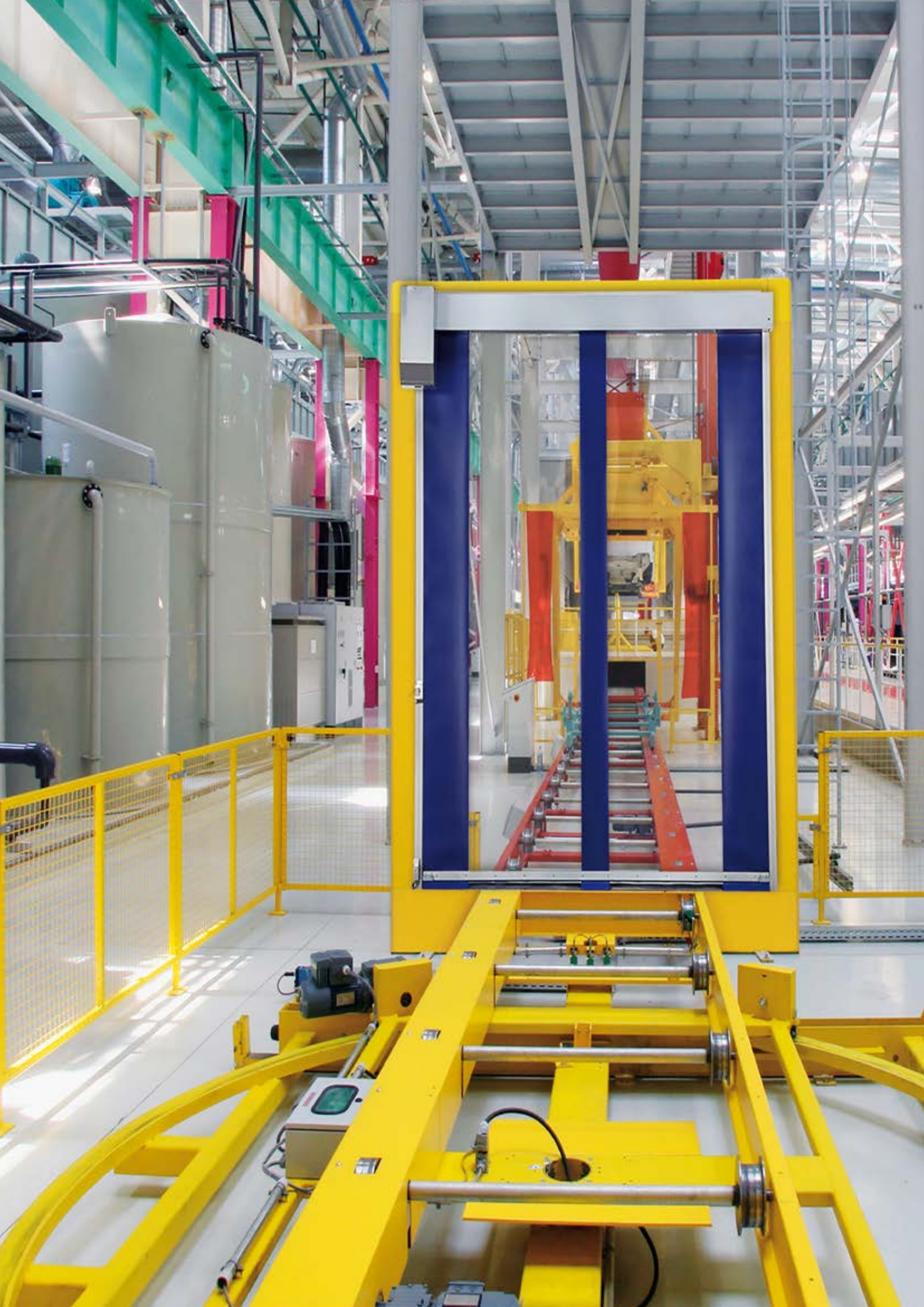
The interior door for explosive atmospheres. **EFA-SRT® EX**

In addition to a standard frequency converter and a microprocessor control, the EFA-SRT® EX for indoor use includes all typical basic characteristics of state-of-the-art door technology, such as dynamic door leaf tension and emergency opening via spring systems in the door cases. A hand lever at the door case allows for quick emergency opening of the door system, e.g. in case of power failure. We use a black, non-transparent ATEX special curtain as the door leaf.

EFA-SRT® EX **AT A GLANCE:**

- For use in explosion protection zones 1 and 2, optionally on request in EX Protection Zones 21 and 22
- Up to 150,000 operating cycles p.a.
- Heavy-duty inside door
- Opening speed up to 1.0 m/s
- Closing speed up to 0.5 m/s
- Standard sizes up to
w=4,000 mm, h=4,000 mm





A photograph of an industrial facility, likely a factory or warehouse, featuring a complex system of yellow overhead cranes and safety railings. The structure is multi-level with various pipes and mechanical components visible. The right side of the image is overlaid with a dark, semi-transparent hexagonal pattern.

Intralogistics

Seamless flow of materials and maximum flexibility.

In intralogistics, effective and efficient interaction between control and software systems, conveying and storage technology as well as planning and process design is of central importance in order to ensure a seamless flow of materials. EFAFLEX high-speed doors are designed for all applications within intensive logistics processes and impress with their flexibility and versatility.

The modular structure of the individual components contributes to a professional flow of materials, perfect transportation and efficient logistics. Thanks to their space-saving and compact design, intralogistics doors can be perfectly integrated into the required safety guard and meet the highest safety standards.



EFA-SRT® MTL
AT A GLANCE:

- Power-driven high-speed roll-up door for industrial and commercial use in the materials handling sector
- Particularly suitable for confined space applications
- Opening speed up to 1.5 m/s
- Closing speed up to 1.0 m/s
- Up to 250,000 cycles p.a.
- Sizes up to approx.
w=3,000 mm, h=3,000 mm

The high-speed roll-up door for logistics.

EFA-SRT® MTL

The EFA-SRT® MTL is designed for all applications within intensive logistics processes and is particularly suitable for commercial and industrial use in enclosed areas that are not exposed to wind or weather conditions. With a multitude of application, equipment and combination options, the high-speed roll-up door (SRT) spans a wide range of conceivable applications in the eponymous spectrum of "Material – Transport – Logistics" (MTL).

The customised plant solution.

EFA-SRT® MHT Compact

Capable of up to 500,000 load changes per year, the innovative EFA-SRT® MHT Compact manages the most openings and closings on the market. The door also impresses with its compact design with control integrated into the frames and a self-supporting construction. This allows it to be flexibly and tailor-made integrated into complex installations, such as baggage handling in airports.

EFA-SRT® MHT COMPACT AT A GLANCE:

- Door system for industrial and commercial purposes in materials handling technology
- Control system completely integrated in construction
- Self-supporting frames due to floor fixation
- 3 cycles per minute
- Opening speed up to 1.5 m/s
- Standard sizes up to w=1,600 mm, h=1,600 mm
- Up to 500,000 load changes p.a.





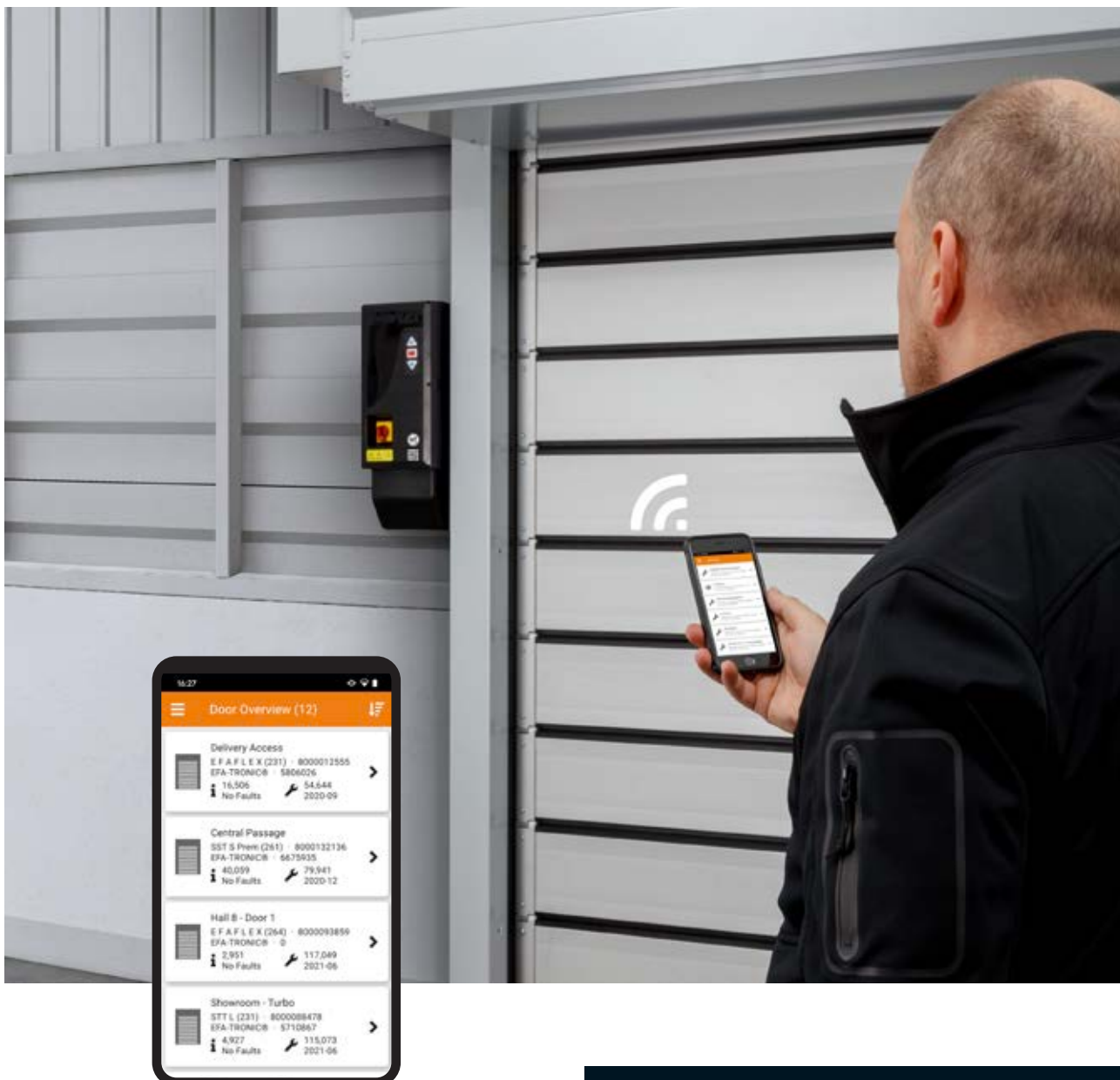
A photograph of an industrial door, partially open, with a hexagonal pattern overlay. The door is white and the background is dark. The hexagonal pattern is a dark grey overlay on the right side of the image.

Periphery & accessories

Innovative equipment for best usability.

In addition to its broad spectrum of high-speed doors for a wide range of applications, EFAFLEX also offers a large selection of innovative accessories and an extensive range of peripheral products to help you to control your door systems.

EFA-SmartConnect® is the IoT solution from EFAFLEX for the secure, intelligent networking and management of your industrial doors. With our free app, you have a flawless overview of the current status of your doors in real time. In addition, unique safety systems such as door light grids, laser scanners and approach surveillance ensure the full protection of the area around your door system, thereby protecting people, doors, and vehicles.



The intelligent networking of your doors.

EFA-SmartConnect®

With EFA-SmartConnect®, EFAFLEX offers the IoT solution for intelligent, networked doors. The free-of-charge user-friendly app facilitates central monitoring and displays the status of all doors clearly and in real time. According to the "Diagnosis – Service – Maintenance" principle, you can prevent faults in real time and plan the maintenance in advance. This not only minimises downtimes, it also reduces operating costs.

EFA-SMARTCONNECT® AT A GLANCE:

- All doors at a glance on your smartphone
- Straightforward, anticipatory planning of maintenance and repair work
- Rapid diagnosis of problems and digital service notifications straight to EFAFLEX
- Prevention of downtimes and unnecessary costs
- Possibility of using the existing Wi-Fi and LAN network
- The data sovereignty remains with the user
- No registration necessary
- Independent of mobile networks

Pulse generator and safety system, all-in-one.

EFA-SCAN® Laser Scanner

The patented EFA-SCAN® Laser Scanner scans a three-dimensional security field based on laser beams in front of the door, and detects vehicles and tracks their movement on a gapless basis with the use of intelligent direction detection. The door then opens as required.

Sophisticated software algorithms prevent the door from opening during rain, snow, fog, or extraneous light, which also makes the EFA-SCAN® suitable for outdoor installation. The innovative laser technology guarantees an incomparably secure and situation-dependent opening of your door.

EFA-SCAN® AT A GLANCE:

- Comprehensive approach surveillance
- Gapless capturing of vehicles
- High immunity to environmental influences (including fog)
- Performance level C according to EN 13849-1





The self-sufficient safety system. **EFA-TLG® door light grid**

Almost 90% of all collisions occur in the lower part of a door. Our TÜV-certified EFA-TLG® infrared light grid prevents collisions of this kind right from the start. For the purpose of protection, the completely self-monitoring system is installed directly into the lateral door guidance system. EFA-TLG® monitors the door closing level up to a height of 2.5 metres.

An almost flat light grid generates infrared rays which can detect even the smallest obstacles without contact. If the system detects an obstacle, the closing movement is immediately stopped and/or is not initiated in the first place. This unique technology therefore protects people, doors, vehicles, and materials.

EFA-TLG® AT A GLANCE:

- Close visual monitoring of the door closing level up to a height of 2,500 millimetres
- Risk-adapted responses to detected objects (people, vehicles, materials, etc.)
- TÜV-certified safety system
- All safety standards surpassed

Individual and reliable approach surveillance.

Sensors and detectors

EFAFLEX offers you a range of different systems to enable you to adapt the approach surveillance to the respective requirement. In this area, the possibilities range from well-known systems such as induction loops, radio remote controls, active infrared or radar

systems, through to state-of-the-art technologies in which radar sensors and infrared system are combined intelligently in a single system and the advantages of both technologies are therefore used.

RADAR-MOTION DETECTOR



ACTIVE INFRARED SENSOR



INDUCTION LOOPS



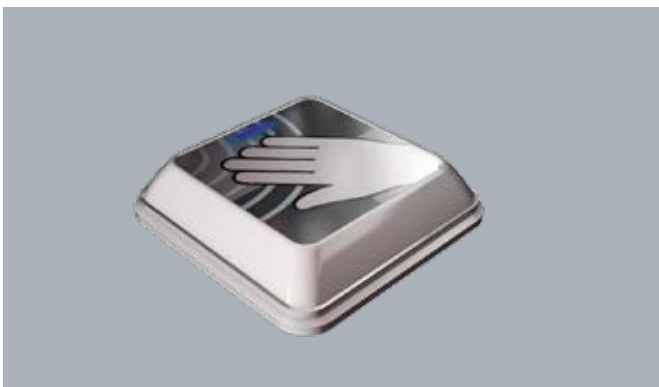
Contactless door activation for the maximum hygiene.

Contactless opening systems.

In many industries, the way in which an industrial door can be opened is also of key importance. In this respect, safety and ease-of-use come first. EFAFLEX offers you a range of contactless opening systems which are

ideal for hygiene-sensitive areas such as clean rooms, hospitals, the pharmaceuticals industry, photovoltaics and battery production.

CLEAR WAVE



CLEAR WAVE AT A GLANCE:

- Hygienic contactless switch for the activation of doors
- Detection range of 5 – 40 cm
- Based on microwave technology
- Flush-mounted installation

CHROMA MAGIC SWITCH



CHROMA MAGIC SWITCH AT A GLANCE:

- Contactless opening sensor that responds to hand movements
- Optimum suitability for hygiene-sensitive areas

INDUS MAGIC SWITCH



INDUS MAGIC SWITCH AT A GLANCE:

- Contactless opening sensor for industrial doors
- The optimum solution for industrial environments
- Hygienic and hard-wearing design
- High degree of protection against the penetration of dust and water

Intelligent and innovative door control.

EFA-TRONIC® door control

In addition to the topics of “connectivity” and “sensors and security”, EFAFLEX also has solutions in the area of door controls. For this purpose, we offer our tried-and-tested EFA-TRONIC® control box, as well as the additional version as the EFA-TRONIC® Professional with durable steel casing. In addition to a modern design, these security technologies also offer maximum functionality, full compatibility and optimum stability. Moreover, our door controls are equipped with the latest generation of microprocessors.

The EFA-TRONIC® control unit, which is housed in a black polycarbonate casing, is characterised by its maximum functionality, compact format and modern design. The basic equipment includes a main switch, membrane keyboard and vacuum fluorescent display including function and diagnosis display. More than 20 inputs are available as standard, as well as safety functions and three bus systems, among others.

In addition to this, EFAFLEX offers many extensions and adaptations. The EFA-TRONIC® door control system convinces due to its maximum stability, full compatibility and sufficient output reserves. The control unit is also available as a version with a durable steel casing (EFA-TRONIC® Professional).



EFA-TRONIC® AT A GLANCE:

- Compact design
- Durable plastic casing
- Several versions possible (RAL colours, stainless steel, hygienic, UL, etc.)
- Protection class I/IP 65
- IoT module for the integration of EFA-SmartConnect®

For every industry the perfect solution.

As the global market leader in industrial high-speed doors, we offer our customers industry solutions which are tailored to them. Our customer base includes global players as well as small and medium-sized companies and public bodies. With more than 45 years of experience, we are the experts and know the idiosyncrasies and specific requirements of a particular industry.





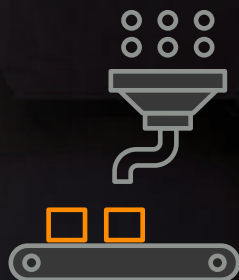
BEVERAGE INDUSTRY:

We offer solutions with minimal operational noise, excellent insulation and high opening and closing speeds.



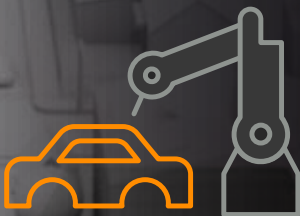
PHARMACEUTICAL INDUSTRY:

Our special doors for clean rooms score with efficient sealing, low space requirements and hygienic cleanliness.



FOOD INDUSTRY:

EFAFLEX offers door solutions for deep-freeze, wet areas and temperature-controlled rooms that meet the highest hygiene requirements.



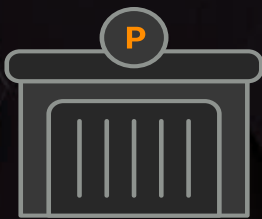
AUTOMOTIVE INDUSTRY:

Our individual door solutions for the automotive industry enable fast, smooth and trouble-free processes.



AIRPORT:

Our door solutions for the modern airport are fast, efficient, reliable and able to withstand high wind loads.



CAR PARKS:

Rely on maximum object protection, highest load capacity and high closing speeds with our door solutions.



SECURITY SECTOR:

With security solutions from EFAFLEX, you protect yourself effectively against theft and vandalism.



LOGISTICS:

Speed up your logistical processes and rely on the highest safety standards with our tailor-made doors.

Individual solutions for individual requirements.

EFAFLEX offers you high-speed doors which are unique in terms of quality and service, and which further improve and fast-track your business processes. We work together with you to develop suitable custom solutions which are perfectly tailored to your individual requirements.





The background image shows a woman in a grey EFAFLEX uniform standing next to a large cheetah sculpture. She is holding a clipboard and looking at the sculpture. The sculpture is a cheetah in a pouncing pose. The background is a modern building with a glass facade. The text is overlaid on the right side of the image.

The EFAFLEX service philosophy

**A team you
can rely on.**

The right partner – who stands by you throughout the planning process, finds solutions and answers to every challenge, relieves you of your workload and provides security, a partner who is at your service, 24/7: that partner is called EFAFLEX.

We offer you an all-round carefree package for your doors from all manufacturers – true to the EFAFLEX philosophy: Reliable SERVICE FROM ONE SINGLE SOURCE.

Your all-round carefree package



EFAFLEX maintains a comprehensive, globally operating service network with its own subsidiaries and service partners, which can respond closely and quickly. To date, customers in more than 80 countries use our doors and our professional service “around the door”. EFAFLEX has a wide range of services and programs that offer an economical solution for every need.

Whether it's spare parts or fault management, our repair and maintenance service or individual training: our After Sales portfolio covers every requirement surrounding your door system. International companies can therefore find an experienced and high-performance partner in EFAFLEX – a global premium service provider.

EXCELLENT SUPPORT



Our highly qualified service technicians are available to you at a large number of locations around the world to deal with your concerns. With our comprehensive service network, you usually have a direct contact person on site who can advise you competently on all matters.

REPAIR & TROUBLESHOOTING



When it comes to repairs and damage, time is money. That is why we are there for you personally - around the clock. Our trained service staff and technicians guarantee professional and competent support for your door system - worldwide and throughout the entire product life of your system.

SPARE PARTS SERVICE



Spare parts must be on site within the shortest possible time and installed quickly and competently - we take care of that. Because EFAFLEX is your service partner for spare parts - for our door systems or also those of other manufacturers.

TRAININGS & GLOBAL SERVICE NETWORK



The high standards we set for our products and our service require highly trained employees. Through regular training for our global service network, we have the right know-how to meet all your concerns and needs at any time as a premium manufacturer.

MAINTENANCE & TESTING



EFAFLEX doors meet the highest demands in terms of performance, functionality and quality. To ensure that this remains reliable and permanent, regular maintenance and testing are required. Take advantage of our know-how to keep your system availability at a constantly high level and to be able to maintain your operating processes unhindered and safely.

Technical details:

		PREMIUM							EFA-SST®
Size		L	S	ÜS	XL	XXL	ISO-L-60	ISO-60	ECO
Application	Interior door	●	●	●	●	●	●	●	●
	Lock-up doors	●	●	●	●	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	2 – 4	2 – 4	2 – 4	0 – 2	2 – 4	3 – 4	2 – 4	2 – 4
Operating forces / safe opening	According to DIN EN 13241	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
Resistance against water ingress	According to DIN EN 13241 class	3	3	3	3	1	3	3	3
Air permeability*	According to DIN EN 13241 class	3	3	3	3	3	3	3	3
Direct airborne sound insulation R _w *	in dB according to DIN EN 717-1	24	25	26	26	26	25	25	24
U value maximum*	in W/m²K according to DIN EN 13241	1.52	0.91	0.66	0.66	0.55	0.93	0.80	1.52
Door size (in mm)	Width W max.	4,500	6,000	8,000	10,000	10,000	4,500	6,000	4,500
	Height H max.	5,000	6,000	8,000	6,600	12,000	4,550	6,000	5,000
Maximum door blade speed*	in m/s	2.5	1.5	1.2	1.0	0.5	2.5	1.5	1.0
Average speed, ca. *	Opening in m/s	2.0	1.2	1.0	0.8	0.5	2.0	1.2	1.0
	Closing in m/s	–	0.6	–	–	–	0.75	0.6	0.6
	Closing in m/s, with EFA-TLG® door light-line grid	1.0	1.0	0.8	0.4	0.3	1.0	1.0	0.6
Door blade guidance	Round Spiral	●	●	●	●	●	●	●	●
	Oval Spiral	●	●	–	–	–	–	–	●
	Low-header	–	–	–	–	–	–	–	●
Steel design	Galvanized sheet steel frame	●	●	●	●	●	●	●	●
	Stainless steel	○	○	–	–	–	○	○	○
	Powder coated in RAL colours	○	○	○	○	○	○	○	○
Door blade	EFA-THERM® laths insulated / painted	●	●	●	●	●	●	●	●
	EFA-CLEAR® Vision laths double-walled, thermally separated	○	○	○	○	○	○	○	○
	EFA-CLEAR® Vision laths single-walled	○	○	–	–	–	–	–	○
	EFA-VENT® Ventilation laths	○	○	–	–	–	–	–	○
	EFA-ALUX® Aluminium laths	–	–	–	–	–	–	–	–
	Vision panel single-walled / double-walled	–	–	–	–	–	–	–	–
	non transparent infill single-walled / double-walled	–	–	–	–	–	–	–	–
	Colour according to RAL (without vision panel)	○	○	○	○	○	○	○	○
	Door blade modules made of anodized aluminium E6 / EV1	–	–	–	–	–	–	–	–
	Triple glazing for vision panel	–	–	–	–	–	–	–	–
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	–	–	–	–	–	–	–	–
	flexible fabric in different colours with / without vision panel	–	–	–	–	–	–	–	–
Fire class	Building Material class DIN 4102	B2	B2	B2	B2	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		250,000	250,000	250,000	150,000	100,000	250,000	250,000	200,000
Drive	Electric motor	●	●	●	●	●	●	●	●
	Pneumatic with electric controller	–	–	–	–	–	–	–	–
Control	EFA-TRONIC®	●	●	–	–	○	●	●	●
	EFA-TRONIC® Light	–	–	–	–	–	–	–	–
	EFA-TRONIC® PROFESSIONAL	○	○	●	●	●	○	○	○
	Main switch and foil keypad	●	●	●	●	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●	○	●	●	●
	Electricity connection 400 V/50 Hz	–	–	○	○	●	–	–	–
Manual locking		●	●	●	●	●	●	●	○
Emergency opening	Automatic after manual activation	●	●	●	●	●	●	●	●
	Manual activation	–	–	–	–	–	–	–	–
Safety Devices	EFA-TLG® door light grid in door closing line	●	●	●	●	●	●	●	○
	Contact edge	○	○	–	–	–	○	–	●
	Light barrier	–	–	–	–	–	○	–	●
	Approach area monitoring	○	○	○	○	○	○	○	○
	Light grid, external	○	○	○	○	○	○	○	○
Safety system including activator	EFA-SCAN® frame / bollard	○/○	○/○	○/○	○/○	○/○	○/○	○/○	○/○
Activators	Connection of all common activators possible	●	●	●	●	●	●	●	●

● Standard, ○ upon request, – Not available, HSO = Head Safe Option, *Depending on door blade, door blade guidance and door size, we reserve the right to make technical alterations!

S Series													EFAPROTECT Series	
								EFA-STT®			EFA-STR®			EFA-SST® Secure (RC3+RC4)
S	Basic	ESSENTIAL	Classic			PS		L	S	ÜS	L	S		L
● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	○ ○	● ○	● ●	
2 – 4	2 – 4	2 – 4	2 – 4	4	2 – 4	4	2	3 – 4	2 – 4	2 – 4	2 – 3	2 – 3	4	
fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	
3	3	2	0	0	0	2	2	0	0	0	0	0	–	
3	3	0	2	2	2	1	1	2	2	2	1	1	–	
25	24	20	23	25	25	23	23	20	20	20	12	12	25	
0.91	1.52	1.67	5.8	5.6	5.6	6.5	6.5	6.5	6.37	6.28	6.1	5.95	5.8	
6,000	4,500	4,500	4,000	6,000	8,000	4,000	6,100	4,000	6,000	8,000	4,000	7,000	4,000	
6,000	5,000	5,000	5,000	7,000	7,000	4,000	4,000	5,000	6,000	7,800	5,000	6,000	5,000	
0.9	0.5	0.5	2.0	2.0	1.5	2.0	1.5	3.0	2.8	2.0	4.0	3.2	1.0	
0.9	0.5	0.5	1.5	1.2	1.0	1.8	1.2	2.5	2.2	1.8	3.6	2.8	1.0	
0.6	0.5	0.5	0.75	0.6	0.6	0.5	0.5	0.75	0.6	0.6	0.75	0.75	–	
0.6	–	–	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	1.0	1.0	0.6	
● ● ●	● ● –	● – –	● ● –	● ● –	● ● –	● – –	● – –	● – –	● – –	● – –	● – –	● – –	● – –	
● ○ ○	● ○ ○	● – ○	● ○ ○	● ○ ○	● ○ ○	● ○ ○	● ○ ○	● ○ ○	● ○ ○	● – ○	● ○ ○	● ○ ○	● – ○	
● ○ ○ ○ – – – ○ – – – –	● ○ ○ ○ – – – ○ – – – –	● ○ ○ ○ – – – ○ – – – –	– – ○ ○ ● – – ○ – – – –	– – ○ ○ ● – – ○ – – – –	– – ○ ○ ● – – ○ – – – –	– – ○ ○ ● – – ○ – – – –	– – ○ ○ ● – – ○ – – – –	– – ●/- ○/- ○/- ○ – – – –	– – ●/- ○/- ○/- ○ – – – –	– – ●/- ○/- ○/- ○ – – – –	– – – – – – – ○/● – – – –	– – – – – – – ○/● – – – –	– – – – ● – – – – – – –	
B2	B2	B2	B2	B2	B2	B2	B2	B2	B2	B2	B2	B2	B2	
Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	
200,000	100,000	100,000	250,000	250,000	250,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	250,000	
● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	
● – ○ ●	○ ● ○ ●	○ ● ○ ○	● – ○ ●	● – ○ ●	– – ● ●	● – ○ ●	● – ○ ●	● – ○ ●	● – ○ ●	– – ● ●	● – ○ ●	● – ○ ●	– – ● ●	
● –	● –	● –	● –	● –	○ ●	● –	● –	● –	● –	● ○	● –	● –	● ○	
○	○	○	○	○	○	○	○	○	○	○	–	–	–	
● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	● –	
○ ● ● ○ ○	– ● ● ○ ○	– ● ● ○ –	● ○ ○ ○ ○	● ○ ○ ○ ○	● ○ ○ ○ ○	● ○ ○ ○ ○	● – ○ ○ ○	● ○ ○ ○ ○	● ○ ○ ○ ○	● ○ ○ ○ ○	● – ○ ○ ○	● – ○ ○ ○	● – – ○ ○	
○/○	–	–	–/○	–/○	–/○	–/○	○/○	○/○	○/○	○/○	○/○	○/○	–/○	
●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Technical details:

R Series

		EFA-SRT®			
		PREMIUM		ECO	
		L	S	L	S
Size		Value			
		L	S	L	S
Application	Interior door	●	●	●	●
	Lock-up doors	○	○	–	–
Wind load max.*	According to DIN EN 12424 class	0 – 3	–	–	1 – 2
Operating forces / safe opening	According to DIN EN 13241	fulfilled	fulfilled	fulfilled	fulfilled
Resistance against water ingress	According to DIN EN 13241 class	0	0	0	0
Air permeability*	According to DIN EN 13241 class	0	0	0	1
Direct airborne sound insulation R _w *	in dB according to DIN EN 717-1	12	12	12	11
U value maximum*	in W/m²K according to DIN EN 13241	–	–	–	–
Door size (in mm)	Width W max.	5,000	6,000	4,000	6,000
	Height H max.	5,500	6,000	4,000	7,000
Maximum door blade speed*	in m/s	2.6	2.0	2.0	2.0
Average speed, ca. *	Opening in m/s	2.0	1.5	1.5	1.5
	Closing in m/s	0.75	0.75	0.75	0.6
	Closing in m/s, with EFA-TLG® door light-line grid	1.0	–	1.0	1.0
Door blade guidance	Round Spiral	–	–	–	–
	Oval Spiral	–	–	–	–
	Low-header	–	–	–	–
Steel design	Galvanized sheet steel frame	●	●	●	●
	Stainless steel	○	–	○	○
	Powder coated in RAL colours	○	○	○	○
Door blade	EFA-THERM® laths insulated / painted	–	–	–	–
	EFA-CLEAR® Vision laths double-walled, thermally separated	–	–	–	–
	EFA-CLEAR® Vision laths single-walled	–	–	–	–
	EFA-VENT® Ventilation laths	–	–	–	–
	EFA-ALUX® Aluminium laths	–	–	–	–
	Vision panel single-walled / double-walled	–	–	–	–
	non transparent infill single-walled / double-walled	–	–	–	–
	Colour according to RAL (without vision panel)	–	–	–	–
	Door blade modules made of anodized aluminium E6 / EV1	–	–	–	–
	Triple glazing for vision panel	–	–	–	–
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	●	●	–
	flexible fabric in different colours with / without vision panel	○/○	○/○	○/○	○/●
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Weight	Weight
Designed for approx ... operating cycles per year		150,000	150,000	150,000	150,000
Drive	Electric motor	●	●	●	●
	Pneumatic with electric controller	–	–	–	–
Control	EFA-TRONIC®	●	●	●	●
	EFA-TRONIC® Light	–	–	○	–
	EFA-TRONIC® PROFESSIONAL	○	○	○	○
	Main switch and foil keypad	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●
	Electricity connection 400 V/50 Hz	–	–	–	○
Manual locking		–	–	–	–
Emergency opening	Automatic after manual activation	●	●	●	●
	Manual activation	–	–	–	–
Safety Devices	EFA-TLG® door light grid in door closing line	○	–	○	○
	Contact edge	●	●	●	●
	Light barrier	●	●	●	● vorl. L
	Approach area monitoring	○	○	○	○
	Light grid, external	○	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	–/○	–/○	–/○	–/○
Activators	Connection of all common activators possible	●	●	●	●

● Standard, ○ upon request, – Not available, HSO = Head Safe Option, *Depending on door blade, door blade guidance and door size, we reserve the right to make technical alterations!

				CR Series				
ST		EC	FR	PREMIUM	EFA-SRT® CR		EFA-STT® CR	EFA-HVS® CR
L	S	L			EFFICIENT	C		
● –	● –	● –	● –	● –	● –	● –	● –	● –
–	–	–	0 – 3	–	–	–	–	–
fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
0	0	0	0	–	–	–	–	–
0	0	0	0	–	–	–	–	–
12	12	12	12	–	–	–	–	–
–	–	–	–	–	–	–	–	–
4,000 4,000	4,500 5,000	4,000 4,000	4,000 5,000	2,500 3,000	3,000 3,500	3,500 3,500	4,000 5,000	1,300 1,500
2.0	2.6	2.0	2.6	1.5	1.0		3.0	1.0
1.5	2.0	1.5	1.6	1.0	0.8	2.0	3.0	1.0
0.75	1.0	0.75	0.75	0.5	0.5	0.75	0.75	0.75
–	–	–	1.0	–	–	–	0.75	–
–	–	–	–	–	–	–	● – –	– – –
● ○ ○	● ○ ○	– ● –	● ○ ○	– ● –	– ○ ●	– ● ○	● ○ ○	– ● –
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	●	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	○	–
–	–	–	–	○	●	–	○	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
○	○	○	●	–	–	–	–	–
○/●	○/●	○/●	○/○	○/●	○/●	○/●	–	–
B2	B2	B2	B2	B2	B2	B2	B2	B2
Spring	Spring	Weight	Spring	Spring	–	Spring	Spring	Weight
150,000	150,000	150,000	150,000	200,000	100,000	200,000	200,000	150,000
● –	● –	● –	● –	● –	● –	● –	● –	● –
○ ● ○ ●	● – – ●	– – ● ●	– – ● ●	● integrated – – ●	● – ○ ●	● – – ●	● – ○ ●	● – ○ ●
● –	● –	● ○	● –	● –	● –	● –	● –	● –
–	–	–	–	–	–	–	○	–
● –	● –	● –	● –	● –	– ●	● –	○ –	– ●
–	–	–	○	○	–	●	●	–
–	○	●	●	●	●	–	○	●
●	●	●	●	●	●	–	○	●
○	○	○	○	○	○	○	○	○
○	○	–	○	○	○	○	○	○
–/–	–/○	–/–	–/○	–/○	–/○	–/○	–/○	–/○
●	●	●	●	●	●	●	●	●

Technical details:

MS Series

		EFA-SRT® MS					EFA-SST® MS
				A	A	USD	
Size		L	S	L	S		
Application	Interior door	●	●	●	●	●	●
	Lock-up doors	–	–	–	–	–	–
Wind load max.*	According to DIN EN 12424 class	0	0	0	0	–	4
Operating forces / safe opening	According to DIN EN 13241	fulfilled	fulfilled	fulfilled	fulfilled	–	fulfilled
Resistance against water ingress	According to DIN EN 13241 class	–	–	–	–	–	–
Air permeability*	According to DIN EN 13241 class	0	0	0	0	–	0
Direct airborne sound insulation R _w *	in dB according to DIN EN 717-1	12	12	12	12	12	23
U value maximum*	in W/m²K according to DIN EN 13241	–	–	–	–	–	–
Door size (in mm)	Width W max.	3,000	5,000	3,000	6,000	6,000	3,000
	Height H max.	3,000	3,500	3,000	3,500	4,500	3,000
Maximum door blade speed*	in m/s	1.8	1.8	1.8	1.8	1.8	2.7
Average speed, ca. *	Opening in m/s	1.3	1.3	1.3	1.3	1.3	2.2
	Closing in m/s	0.6	0.6	0.6	0.6	0.8	0.6
	Closing in m/s, with EFA-TLG® door light-line grid	–	–	–	–	–	–
Door blade guidance	Round Spiral	–	–	–	–	–	●
	Oval Spiral	–	–	–	–	–	–
	Low-header	–	–	–	–	–	–
Steel design	Galvanized sheet steel frame	●	●	●	●	●	●
	Stainless steel	–	–	–	–	–	–
	Powder coated in RAL colours	○	○	○	○	○	○
Door blade	EFA-THERM® laths insulated / painted	–	–	–	–	–	–
	EFA-CLEAR® Vision laths double-walled, thermally separated	–	–	–	–	–	–
	EFA-CLEAR® Vision laths single-walled	–	–	–	–	–	○
	EFA-VENT® Ventilation laths	–	–	–	–	–	○
	EFA-ALUX® Aluminium laths	–	–	–	–	–	●
	Vision panel single-walled / double-walled	–	–	–	–	–	–
	non transparent infill single-walled / double-walled	–	–	–	–	–	–
	Colour according to RAL (without vision panel)	–	–	–	–	–	○
	Door blade modules made of anodized aluminium E6 / EV1	–	–	–	–	–	–
	Triple glazing for vision panel	–	–	–	–	–	–
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	●	●	●	●	–
	flexible fabric in different colours with / without vision panel	○/○	○/○	○/○	○/○	○/○	–
Fire class	Building Material class DIN 4102	B2	B2	B2	B2	B2	B2
Weight balancing by		–	–	–	–	Weight	Spring
Designed for approx ... operating cycles per year		250,000	250,000	250,000	250,000	250,000	250,000
Drive	Electric motor	●	●	●	●	●	●
	Pneumatic with electric controller	–	–	–	–	–	–
Control	EFA-TRONIC®	○	○	○	○	○	○
	EFA-TRONIC® Light	–	–	–	–	–	–
	EFA-TRONIC® PROFESSIONAL	●	●	●	●	●	●
	Main switch and foil keypad	●	●	–	–	●	○
Lead	Electricity connection 230 V/50 Hz	○	○	○	○	○	○
	Electricity connection 400 V/50 Hz	●	●	●	●	●	●
Manual locking		–	–	–	–	–	–
Emergency opening	Automatic after manual activation	–	–	–	–	–	●
	Manual activation	●	●	●	●	●	–
Safety Devices	EFA-TLG® door light grid in door closing line	○ HSO	○ HSO	○ HSO	○ HSO	○ HSO	○ HSO
	Contact edge	●	●	●	●	●	●
	Light barrier	●	●	●	●	●	●
	Approach area monitoring	○	○	○	○	○	○
	Light grid, external	○ HSO	○ HSO	○ HSO	○ HSO	○	–
Safety system including activator	EFA-SCAN® frame/bollard	–/○	–/○	–/○	–/○	–/–	–/–
Activators	Connection of all common activators possible	●	●	●	●	●	●

● Standard, ○ upon request, – Not available, HSO = Head Safe Option, *Depending on door blade, door blade guidance and door size, we reserve the right to make technical alterations!

MHT Series	MTL Series	EX Series		F Series				TK Series
EFA-SRT® MHT	EFA-SRT® MTL	EFA-SST®	EFA-SRT®	EFA-SFT®				EFA-SST®
		EX	EX	2-flg.	2-flg.	2-flg.	Therm	TK-100
				L	S	ÜS		
● –	● –	● ●	● –	○ ●	○ ●	○ ●	○ ●	Lock-up deep-freeze –
–	0	2 – 4	–	4	3	2	4	4
–	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
–	–	0	–	0	0	0	0	–
–	0	2	–	0	0	0	1	4
12	12	23	12	21	21	21	25	26
–	–	5.8	–	4.88	4.66	4.11	1.6	0.62
1,600	3,000	4,000	4,000	3,750	5,250	8,000	5,250	4,000
1,600	3,000	5,000	4,000	3,750	7,000	6,000	7,000	6,000
1.5	1.5	1.0	1.0	2.0	2.0	1.5	1.2	2.5
1.5	1.5	1.0	1.0	2.0	2.0	1.0	1.0	2.0
0.8	0.6	0.5	0.5	1.0	1.0	0.6	0.6	0.75
–	1.0	–	–	–	–	–	–	0.5
–	–	●	–	–	–	–	–	●
–	–	●	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
●	●	●	●	●	●	–	●	●
–	–	○	○	–	–	–	–	○
○	○	○	○	○	○	●	○	○
–	–	–	–	–	–	–	●	●
–	–	–	–	–	–	–	–	–
–	–	●	–	–	–	–	–	–
–	–	○	–	–	–	–	–	–
–	–	●	–	–	–	–	–	–
–	–	–	–	●/○	●/○	●/○	–	–
–	–	–	–	○/○	○/○	○/○	–	–
–	–	○	–	○	○	○	○	○
–	–	–	–	●	●	●	–	–
–	–	–	–	–	–	–	○	–
–	●	–	–	–	–	–	–	–
–/●	○/○	–	black without vision panel	–	–	–	–	–
B2	B2	B2	B2	B2	B2	B2	B2	B2
–	–	Spring	Spring	–	–	–	–	Spring
500,000	250,000	200,000	150,000	200,000	200,000	200,000	150,000	200,000
●	●	●	●	○	○	○	●	●
–	–	–	–	●	●	●	–	–
○	●	–	–	○	○	○	●	–
–	○	–	–	MCP2 - ETR light in preparation			–	–
–	○	●	●	○	○	○	○	●
–	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	–
–	○	–	–	–	–	–	–	●
–	–	○	–	○	○	○	○	○
–	–	●	●	–	–	–	–	●
–	●	–	–	●	●	●	●	–
–	○	–	–	–	–	–	–	–
–	●	●	●	●	●	●	●	●
–	●	●	●	●	●	●	●	●
–	○	–	–	○	○	○	○	–
○	○	–	–	○	○	○	○	–
–/○	–/○	–	–	–/○	–/○	–/○	–/○	–/–
●	●	○	○	●	●	●	●	○

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EFAFLEX® is a registered and legally
protected trademark.

Subject to technical changes. Some
diagrams depict special features.

Overall design:

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