

Horizontal, fast, safe.

High-speed doors

ECOSPRINT® | NOVOSPRINT®

BUTZBACH - THE DOOR COMPANY.®





The right solution for every requirement

Butzbach was founded in 1953 and is now in its third generation as a German family business. With more than 270 employees, we are the specialist for industrial and hangar doors.

For example, we developed a high-speed door that does not open upwards, but rolls the door skins of the two halves of the door to the side in a fraction of a second. The entire passage height is immediately available. This principle is superior to conventional doors in many ways: through flexibility in adapting to your requirements, protection against crash damage, maximum reliability and cost-effectiveness over the long term.

Proven to work in practice worldwide High-speed doors **NOVOSPRINT**[®]

Gingen an der Fils (GER)

BOSIG GmbH

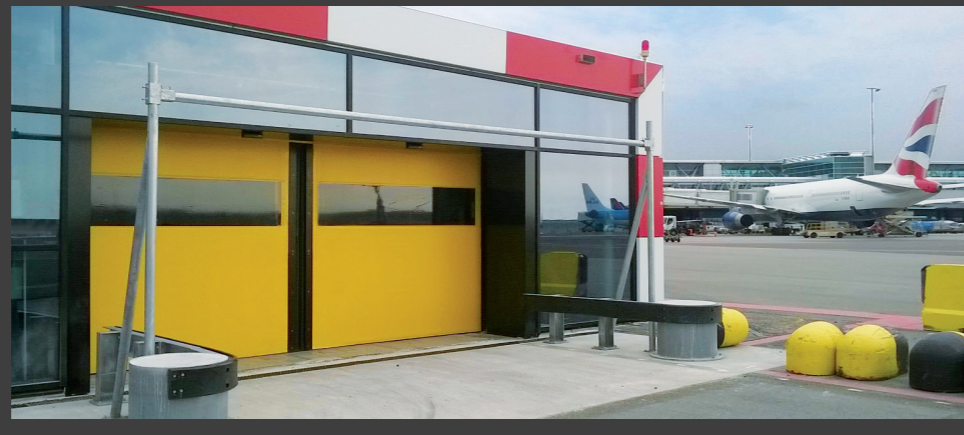
Several high-speed doors are combined with Butzbach outside doors. The high-speed door supports efficient intralogistics. At the end of business hours, the stacking and sectional doors enclose the building securely.



Amsterdam (NL)

Flughafen Schiphol

The airport installed numerous high-speed doors so that the luggage handling equipment can move from the runway to the distribution centre in a pulsating cycle without delay.



Figeac (FR)

Ratier-Figeac

Thanks to the individually adapted cut-outs for the crane rails, goods can be easily transported between two separate areas with industrial vehicles or a crane.



Dubai (AE)

AUDI Centre

There are more than 20 Butzbach doors installed in the largest AUDI Centre worldwide. Besides the high-speed doors in the workshop area, Butzbach outside doors are also in use.



The perfect solution for your application

Industry

Butzbach high-speed doors ensure a smooth and safe flow of material for persons and goods to be transported. Thanks to the intelligent and award-winning opening principle, the full headroom is immediately available, so that the risk of ramming damage is minimised.

Logistics

Fast, reliable and with a guarantee of 500,000 opening cycles on the installed springs - depending on the version - this is how our high-speed doors score in logistics.

Airports

Our Doors are popular solutions at numerous international airports. The horizontal opening principle enables smooth, reliable and time-saving movement of luggage handling equipment and other transport vehicles.

Humid and wet areas (e.g.washing bay)*

An optional surface coating on the frame protects the high-speed door from corrosion and moisture, making it suitable for wet areas and wash bays. The most important functional parts are made of stainless steel. The lateral opening prevents moisture or dirt particles from dropping from the door skins onto people, goods or vehicles.

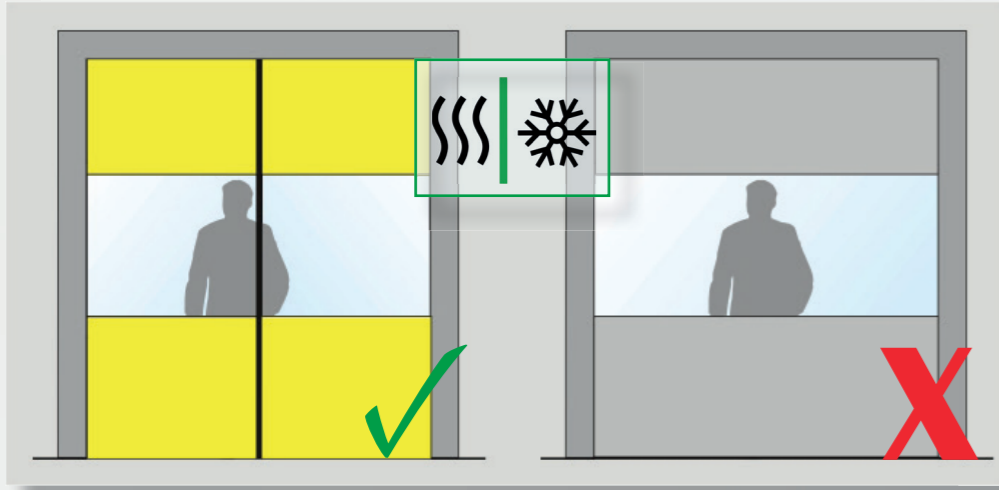
* Data may vary depending on door type, size and equipment.



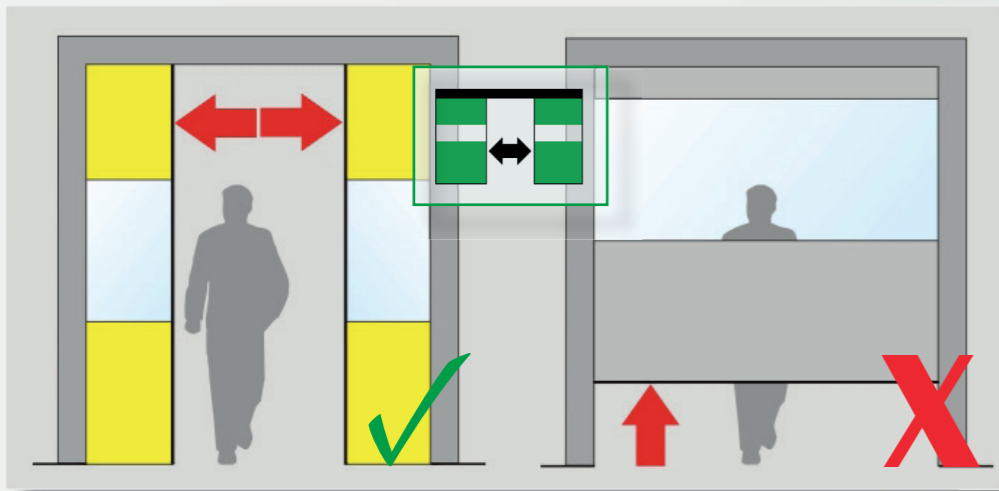
You can find more completed Butzbach projects at www.butzbach.com.

Your advantages Our promise

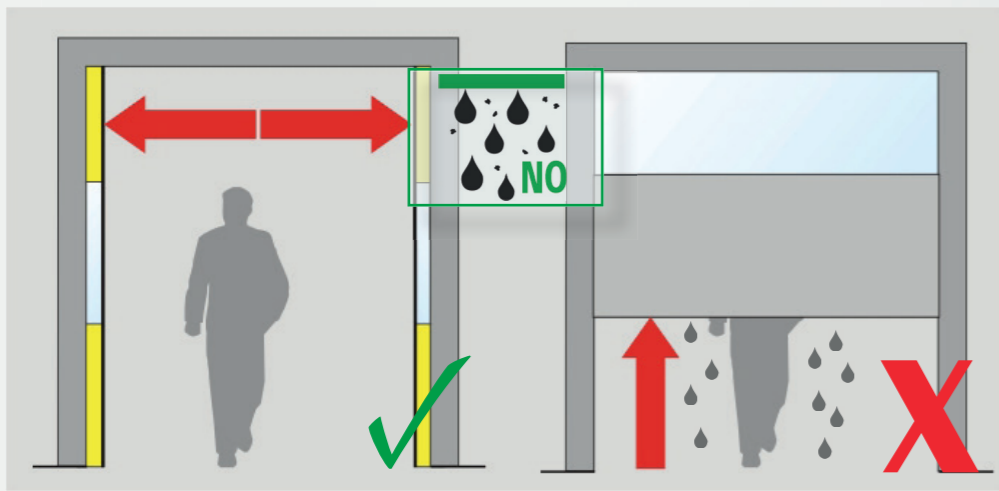
Less heat loss due to high opening & closing speed



Immediately the full passage height



No dripping of dirty water



The ideal door family For your processes*

The sideways opening high-speed doors offer an optimal solution for every operational situation.

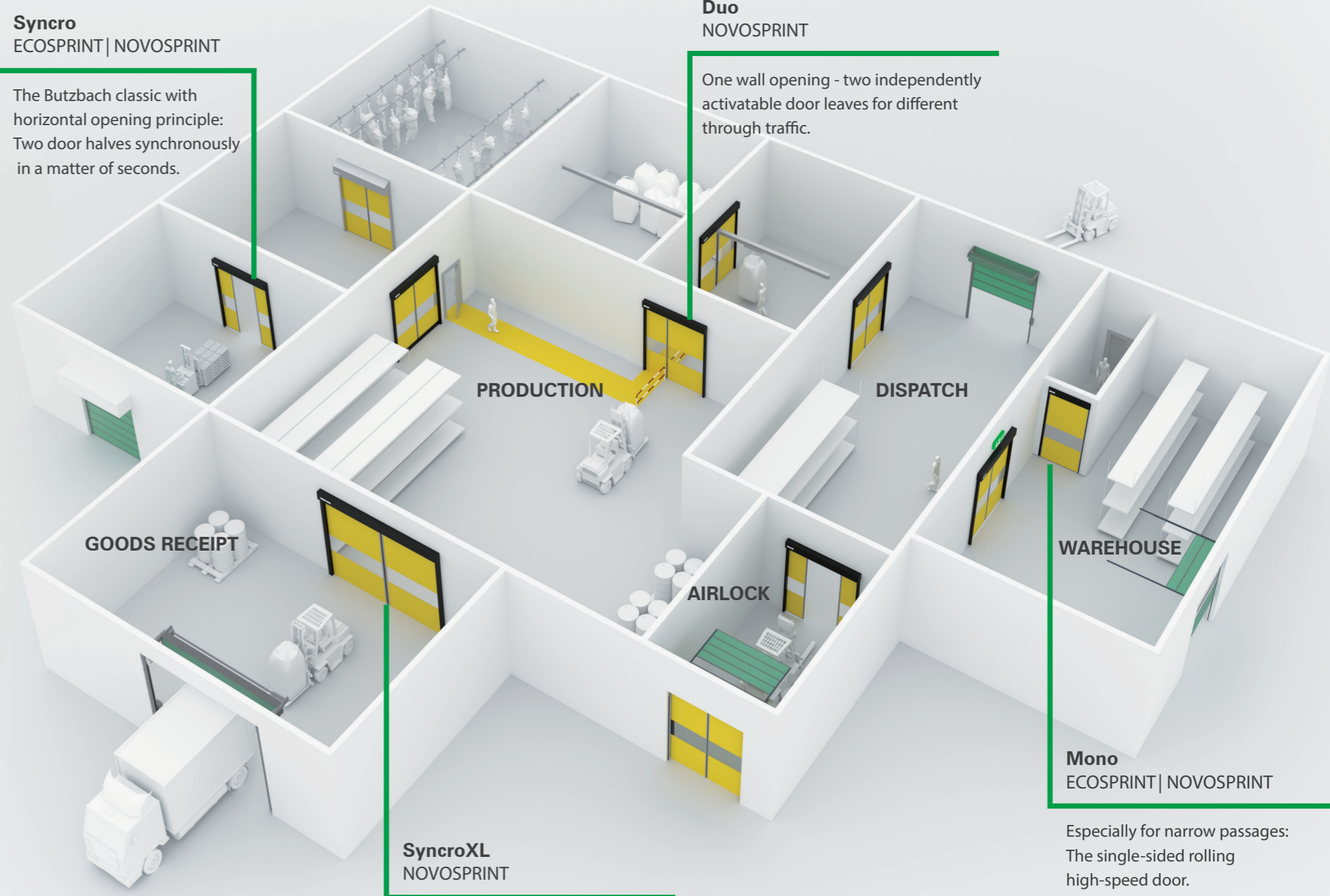
In addition to the classic ECOSPRINT® Syncro and the NOVOSPRINT® Syncro, there are various versions that are tailored to your requirements.

Syncro ECOSPRINT | NOVOSPRINT

The Butzbach classic with horizontal opening principle: Two door halves synchronously in a matter of seconds.

Duo NOVOSPRINT

One wall opening - two independently activatable door leaves for different through traffic.



SyncroXL NOVOSPRINT

Fast even with large openings: up to 9 m wide and 6 m high.

Mono ECOSPRINT | NOVOSPRINT

Especially for narrow passages: The single-sided rolling high-speed door.

* Data may vary depending on door type, size and equipment.

In all sizes Pretty fast

The high-speed door series from Butzbach is still based on the horizontally opening basic principle – implemented with the latest technology and high-quality materials. This makes both the ECOSPRINT and the NOVOSPRINT the ideal solution for everyone who places the highest demands on efficiency, profitability and reliable protection. A variety of the most modern pulse transmitters, control options and individual equipment variants are available for this purpose.



NOVOSPRINT® Syncro L / XL

Fast, safe, trouble-free: even with large openings, you can rely on all NOVOSPRINT advantages. Doors up to 9 m wide and 6 m high are possible for very large vehicles and rail vehicles.



ECOSPRINT® NOVOSPRINT® Syncro

In design, the Butzbach classic with horizontal opening principle - in technology, a high-speed door of the latest generation: Spring force pulls both door leaves open at the same time and rolls them up in a compact housing profile. While the ECOSPRINT achieves an opening speed of up to 3.0 m/s, the NOVOSPRINT even manages a top speed of up to 5 m/s with the additional option „Sprint“. A reliable electric motor closes it again immediately at a speed of up to 2.5 m/s, thus ensuring the minimum opening times.



ECOSPRINT® NOVOSPRINT® Mono

The space and time-saving solution for unhindered and contactless passenger traffic. As a one-sided high-speed door, the Mono was specially created for narrow passages. It is particularly safe compared to swing, revolving or sliding doors with fixed door leaves.



NOVOSPRINT® Duo

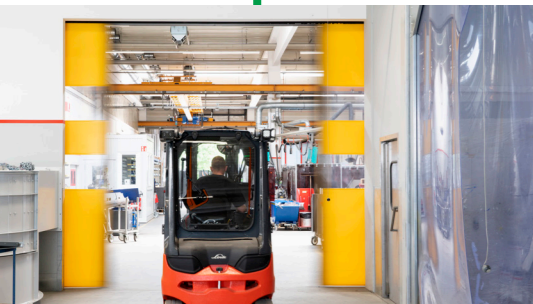
NOVOSPRINT Duo has two door leaves that can be activated independently of each other in one passage. This makes it ideal for separating vehicle and passenger traffic for safety reasons or for creating a two-lane forklift track.

Your way to new possibilities*



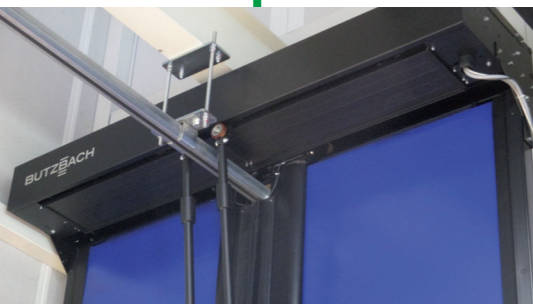
Ground closure

Once the door is closed, the door leaves are lowered to the floor. Pests such as insects and small rodents stay outside, as do draughts and dust. And this works on almost any surface, because the flexible leakproof lip compensates for uneven floors.



Sprint

Equip your high-speed door for maximum performance. You can reach top speeds of up to 5 m/s through the opening with spring force. An integrated light curtain also allows you to maximise the closing speed up to 2.5 m/s. This equipment variant is ideal wherever fast, manoeuvrable vehicles operate in a small space, for example with forklift truck traffic.



Crane rail

In many production processes, goods in transport containers such as big bags are transported with the help of crane rails. If a separation between two rooms is required without stopping the flow of goods, we can adapt your high-speed door with a precise cut-out. In contrast to vertical runners, the principle with the sideways opening is ideal for this application.

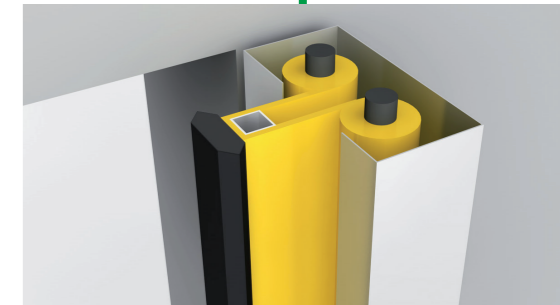


Hygiene

Whether pharmaceutical industry, food trade or health sector: With a wide range of hygiene options, NOVOSPRINT supports all specific regulations for cleanliness, non-porous surfaces, corrosion resistance, food safety and many other requirements. Discuss your individual needs with your Butzbach specialist advisor – and you will receive a solution that is optimally tailored to your needs.

Double skinned

In the basic version with one door skin, our high-speed door offers adequate protection in most cases. However, if there is a higher need for thermal and sound insulation, it can be equipped with twin-walled door leaves. This creates an air cushion about 25 mm thick, which improves both thermal and sound insulation.



Escape routes

An escape route and rescue path application must be able to be opened quickly in all situations – even in the event of a power failure. NOVOSPRINT meets these requirements verifiably according to TÜV SÜD and reliably according to DGUV in Germany. Since the door is opened by spring force, it is independent of the power supply. A certified, fail-safe radar motion sensor triggers it. Its proper functioning is checked automatically every 24 hours.



Airlock

In the case of larger temperature differences, internal goods traffic is often handled via temperature airlocks. These are transition zones with a door at each end. Due to the short opening times of the doors, the waiting time for persons and vehicles in the airlock is reduced to a minimum or, in most cases, even eliminated entirely.



Combination

With this hybrid solution, you create optimal conditions for both operating and idle times. It combines the high-speed door, which is designed for high speed and high cycle rates, with a well-insulated, fixed outside door. During peak periods, only the high-speed door is active. During quiet periods, the outside door ensures protected and optimally thermally insulated building closure.



Drastically reduced risk of accidents

More safety for people and the flow of goods*

The best high-speed door must be particularly good at one thing: It must be inconspicuous. It must open as fast as lightning when through traffic approaches and must not and must not impede operational processes. This is exactly what is guaranteed by the record-breakingly fast lateral opening of our high-speed doors. In order to increase operational safety our Butzbach high-speed door can also be equipped with a number of features. This minimises the risk of an operational accident and drastically reduces damage to the goods or the transport vehicles through the door.

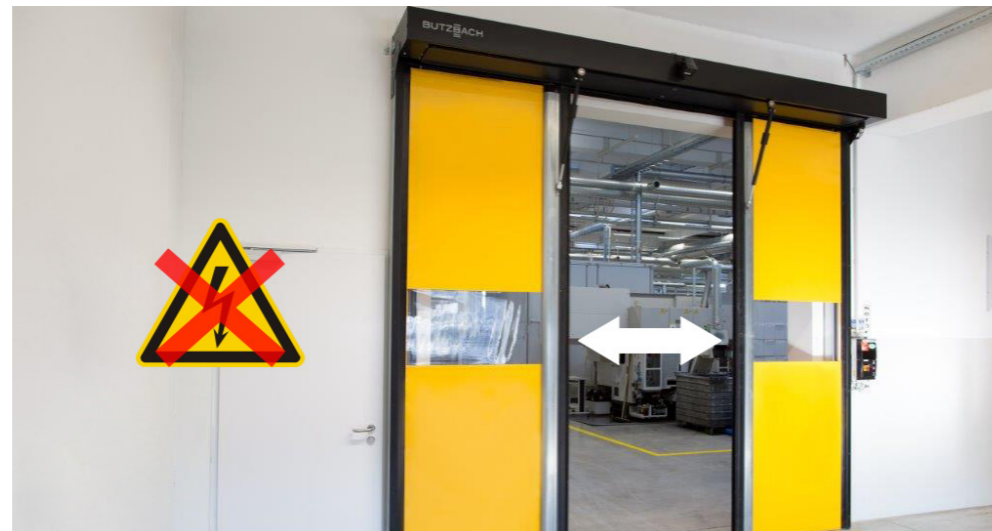


Crash protection

If there is contact or a collision with the door, there is no immediate damage. This is thanks to innovative crash protection. This is a strut on the coupler that initiates a releasing mechanism when it comes into contact.

Currentless opening

Both the ECOSPRINT and the NOVO-SPRINT can be opened at any time without electricity, because the door is always opened by high-performance springs in the side uprights. In the event of a power failure, the door opens either manually using the hand lever attached to the door or automatically using the „opening without current“ variant optionally available.



Light curtain

Even in the standard version, our doors fully comply with the standard with their built-in safety edges. The optional monitoring of the closing movement by means of a light barrier in front or a light grid integrated in the door leaves ensures contactless reversing.

Transparent vision field

With the help of built-in transparent vision fields, the area behind the door is easy to see. Thanks to the lateral opening of the door, this view is guaranteed at all times. Accidents such as collisions can thus be significantly reduced. Several viewing fields at different heights are also possible.

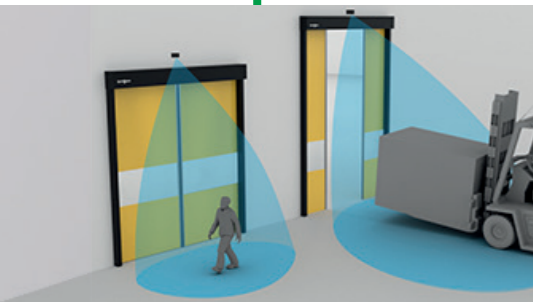


LED signal light strip

Numerous tests have shown that light signals are perceived particularly intensely. With the help of the LED signal light bar, it is immediately apparent whether and when the door may be accessed. When red, the door is closed or moving. A green light signals a fully open door. This avoids misunderstandings and increases operational reliability.

* Data may vary depending on door type, size and equipment.

Fast, safe and energy-conscious Sensor solutions*



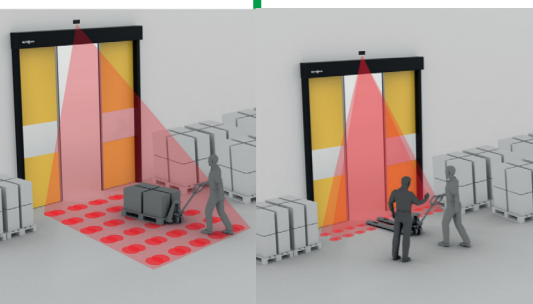
Motion sensor (radar)

Reliable opening detection for people and vehicles is very user-friendly thanks to the deep and wide detection field. A digital filter enables vehicles to be recognised and, if desired, ignores people and traversal traffic.



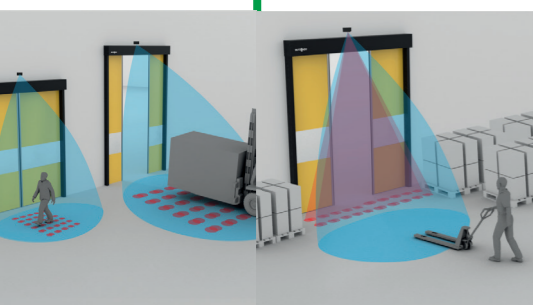
Hygienic sensor (radar)

The contactless switch detects approach at an adjustable distance of 10 to 50 cm. This hygienic solution is the ideal alternative to manual devices in sensitive environments, such as in the food sector or in the pharmaceutical industry.



Presence sensor (infrared)

This sensor allows the customization of reduced and precise opening fields in a restricted environment. The setting of the minimum target object size can also be selected variably. The three-dimensional presence detection also makes it possible to secure people and vehicles in the immediate vicinity of the door. If there is a person or material in the field of survey, the door will reliably not close.



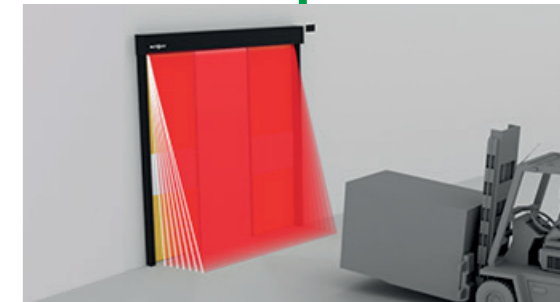
Motion / presence sensor (radar, infrared)

This user-friendly combination with a large and wide detection field is the ideal solution to avoid collisions with the door and offers greater protection for both the user and the door. The sensor has a similar function to induction loops, but is easier and quicker to install.

This combination also offers double safety for people and material through a presence check. Traversal traffic can also be ignored.

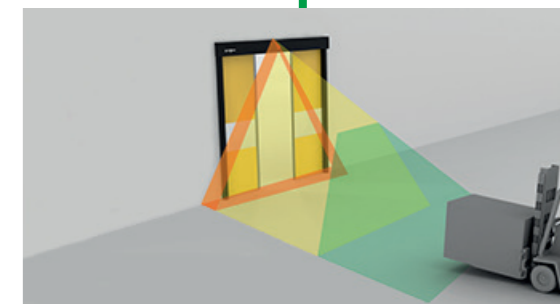
Safety sensor (laser)

Multiple laser curtains create a volumetric zone in front of the door, regardless of floor, environment and weather conditions. If there are persons or objects in the zone, the door is prevented from closing. Certain zones of the curtain can be programmed to signal opening.



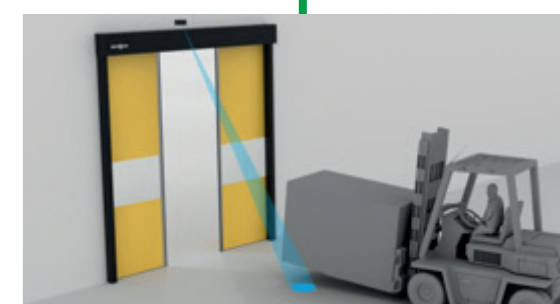
Movement, presence and safety sensor (laser)

This three-dimensional protection secures the entire opening width and height of the door. The high detection precision and quality allows the setting of up to two different detection fields for the opening signal.



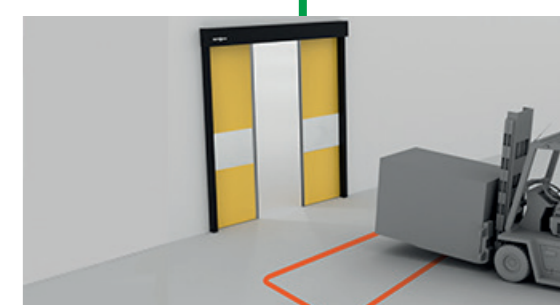
Light sensor

If persons, objects or vehicles are to be detected in a strictly defined area, LT(K)2 photoelectric proximity sensors are used. These devices are extremely robust and resistant to mechanical stress. In the background suppression operating mode, the sensors can be operated independently of the condition of the floor surface. Even reflective and highly reflective objects can be reliably detected.



Induction loop with detector

The induction loop with detector reliably detects the movement or presence of vehicles. Persons cannot trigger a door movement.



One colour or individually printed Doors as individual as your company

Express your corporate design in your company with high-speed doors that match your company colours. In addition to our signal yellow, our high-speed door is available in many other colours. Your company colour is not listed? Or would you like to have your door printed with your desired motif? Then talk to us. We are your specialist for individual door solutions.



Signal yellow
similar to RAL 1003



Agate grey
similar to RAL 7038



Ultramarine blue
similar to RAL 5002



Carmine red
similar to RAL 3002



Opal green
similar to RAL 6026



Sky blue
similar to RAL 5015



Signal white
similar to RAL 9016



Light ivory
similar to RAL 1015



Other colours on request



High-speed doors by Butzbach Your advantages



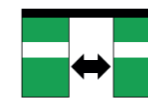
Very short opening and closing times



Anti-crash protection prevents damage to the door



Minimized air exchange by reduced opening and closing periods



Horizontal & space-saving



Secure Logistics processes



Continuous view at eye level



Extremely long life



Low operating costs due to a minimum of wearing parts



No dripping of dirty water or particles

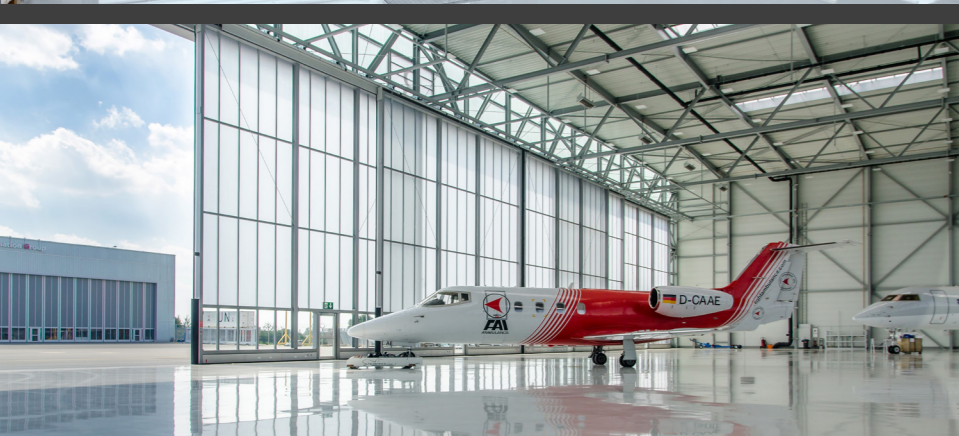


Butzbach solutions in their entire range



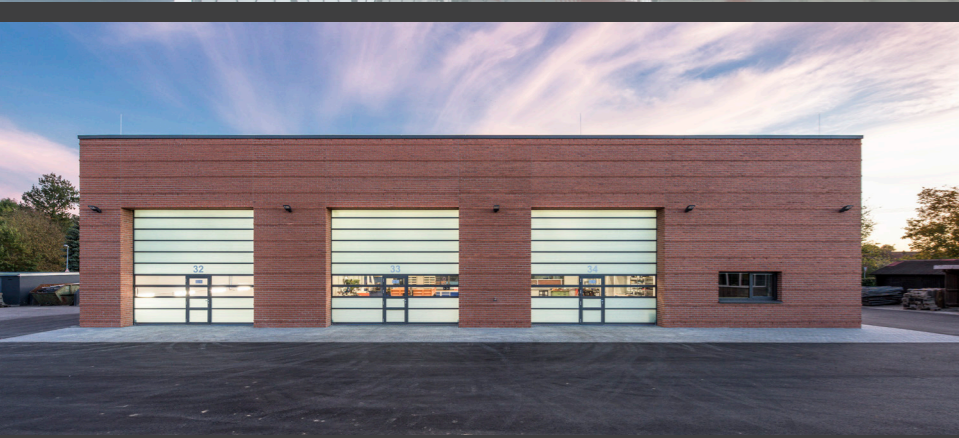
Stacking doors SPACELITE®

- Best lighting conditions in the building thanks to the translucent fibreglass filling.
- Space-saving stacking opening technology
- Long-lasting, economical and reliable operation thanks to low-wear technology.



Sliding doors HANGAR DOORS

- Complete reliability and operational security.
- Best lighting conditions thanks to the translucent fibreglass filling.
- Individual project support from the first draft to after-sales service.



Sectional doors SECTIOLITE®

- High opening speed - combinable with other optional functions.
- Best working conditions in the building thanks to the translucent fibreglass filling.
- Economical, safe and reliable operation.



Fibreglass facades VARIOPLANplus®

- Innovative combination of materials: Aluminium frame construction with fibreglass filling.
- High light transmission, low dead weight, very good thermal insulation properties and excellent durability.

For more information visit www.butzbach.com.

Facts and versions

High-speed doors NOVOSPRINT® | ECOSPRINT®

Feature / Door type		NOVOSPRINT® Mono	NOVOSPRINT® Syncro	NOVOSPRINT® Syncro L	NOVOSPRINT® Syncro XL	NOVOSPRINT® Duo	ECOSPRINT® Syncro	ECOSPRINT® Mono
Door size	Width min./max. (clear opening width)	900 / 2.650 mm	1.000 / 5.000 m	2.400 / 6.000 mm	3.800 / 9.000 mm	1.800 / 5.000 mm	1.100 / 3.500 mm	500 / 2.650 mm
	Height min./max. (clear opening height)	1.700 / 3.500 mm	1.700 / 4.500 mm	2.100 / 5.100 mm	2.100 / 6.000 mm	1.700 / 4.500 mm	1.100 / 3.500 mm	1.100 / 3.500 mm
	Headroom requirement standard min.	330 mm	330 mm	330 mm	480 mm	330 mm	255 mm	255 mm
	Space requirement total depth min. / max.	420 / 520 mm	420 / 520 mm	- / 550 mm	650 / 690 mm	- / 520 mm	420 mm	420 mm
	Space requirement on the motor side / not on the motor side min.	350 / 135 mm	350 / 350 mm	350 / 350 mm	525 / 525 mm	350 / 350 mm	350 / 350 mm	350 / 75 mm
	Height vision panel lower edge/upper edge in standard	1.480 / 2.000 mm	1.480 / 2.000 mm	1.480 / 2.000 mm	1.480 / 2.000 mm	1.480 / 2.000 mm	1.480 / 2.000 mm	1.480 / 2.000 mm

Performance characteristics	Designed for ... opening cycles per year	350.000	350.000	350.000	150.000	350.000	350.000	350.000
	Continuous operation: Up to ... opening cycles per hour	120	120	120	60	120	120	120
	Opening speed max.	2,5 m/s	5,0 m/s	2,5 m/s	2,0 m/s	3,5 m/s	3,0 m/s	1,50 m/s
	Operating forces/safe opening according to EN 13241-1	complied	complied	complied	complied	complied	complied	complied
	Water tightness according to EN 12425	Class 0	Class 0	Class 0	Class 0	Class 0	Class 0	Class 0
	Resistance to wind load according to EN 12424 up to	Class 2	Class 2	Class 2	Class 2	Class 2	-	-
	Resistance to airborne sound Rw according to EN ISO 717-1 up to approx.	7 dB	7 dB	5 dB	5 dB	7 dB	5 dB	5 dB
	Thermal resistance Up according to EN 12428 up to	4,9 W/m²K	4,9 W/m²K	5,9 W/m²K	5,9 W/m²K	4,9 W/m²K	5,9 W/m²K	5,9 W/m²K
	Air permeability according to EN 12426 up to	Class 0	Class 0	Class 0	Class 0	Class 0	Class 0	Class 0
	Fire behavior according to DIN 4102-1	B1	B1	B1	B1	B1	B1	B1
	Fire behavior according to DIN EN 13501-1	B-s2,d0	B-s2,d0	B-s2,d0	B-s2,d0	B-s2,d0	B-s2,d0	B-s2,d0
	Power supply Standard	230V / 50 Hz	230V / 50 Hz	230V / 50 Hz	400V / 50 Hz	400V / 50 Hz	230V / 50Hz	230V / 50Hz

Safety equipment	OSE as safety edge device	X	X	X	X	X	X	X
	Light curtain (integrated) as safety edge device	+	+	+	-	+	+	+
	Opening in case of electricity failure (with emergency opening lever)	X	X	X	X	X	X	X
	Automatic opening in case of electricity failure	+	+	+	+	+	+	+
	Light curtain (mounted in front) for contactless reversing	+	+	+	+	+	+	+
	Sensor solutions for opening and monitoring	+	+	+	+	+	+	+
	Optical or acoustic warning signals	+	+	+	+	+	+	+

Options	Ground closure due to wear-resistant sealing lip	+	+	-	-	+	-	-
	Crane rail - integrated recess	-	+	+	+	+	-	-
	Sprint - opening speed up to 5 m/s	+	+	-	-	+	-	-
	Airlock control in transition zones	+	+	+	+	+	+	+
	Escape routes approval (TÜV SÜD tested)	+	+	-	-	-	-	-
	Can be combined with stacking or sectional doors	+	+	+	+	+	-	-
	Stainless steel design / increased corrosion protection	+	+	-	-	-	-	-
	Double-skinned design with additional air cushion	+	+	-	-	+	-	-
	Customised solutions	*	*	*	*	*	-	-

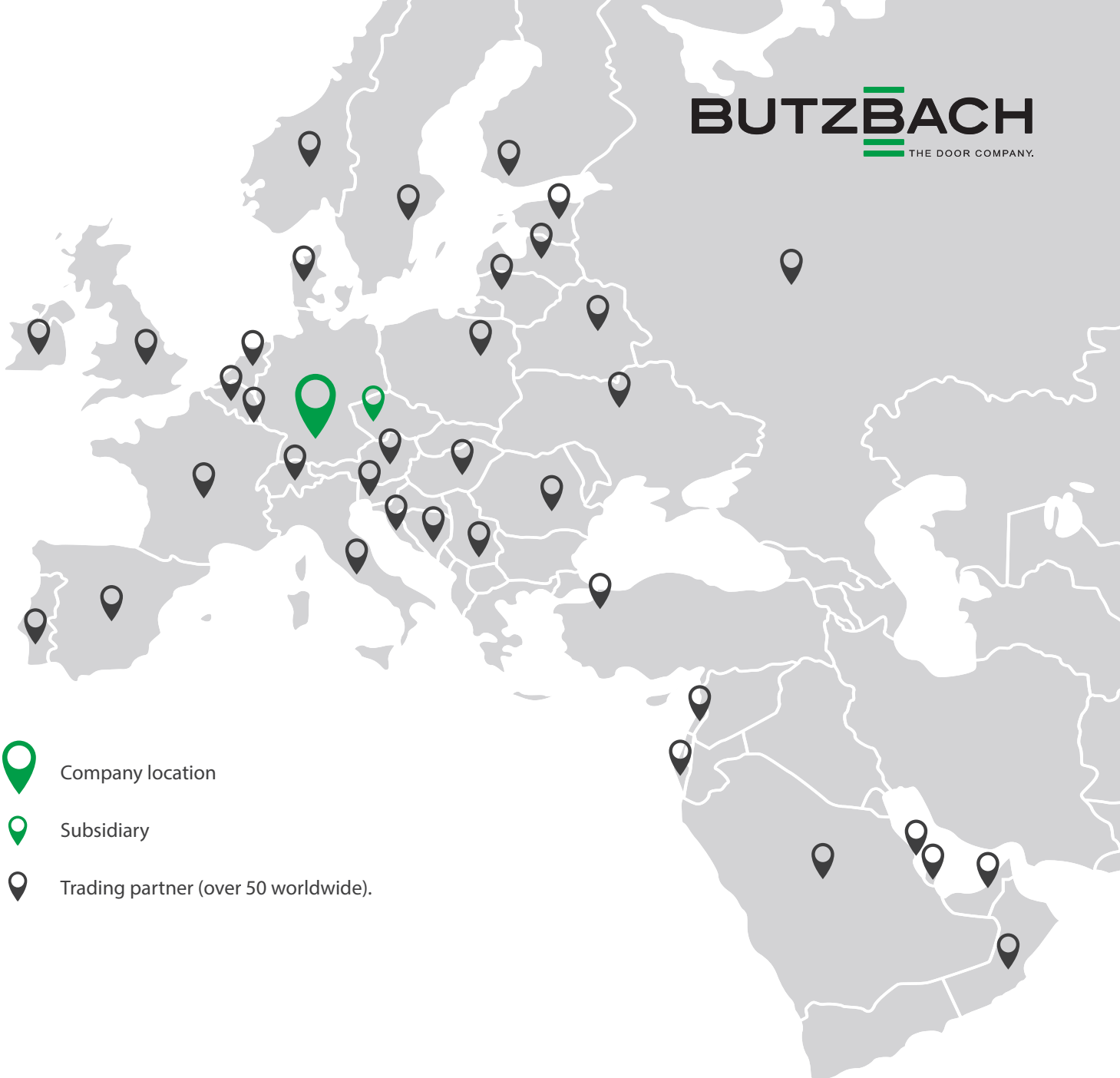
X = Standard




+ = optional

* = on request

- = Values for this door type are not meaningful or not yet collected.

Many safety devices and options can be combined with each other. Specifications may vary depending on size, application and equipment. We reserve the right to make changes at any time!



-  Company location
-  Subsidiary
-  Trading partner (over 50 worldwide).

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BUTZBACH - THE DOOR COMPANY.®

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