

High-speed doors **NOVOSPRINT®**

In rhythm with your processes



INTELLIGENT
PROFESSIONELL
SOLIDE

BUTZBACH
DOORS+FAÇADES

High-speed doors **NOVOSPRINT**®

Double dynamics – on principle



The best door?
One you don't
notice at all.

Doors play an important role wherever people, machinery and materials have to move from A to B. They are, after all, the critical points where jams and obstructions can occur – or everything flows smoothly. A good door is an active partner in the work process cycle, ensuring a supportive indoor climate and an additional safety bonus.

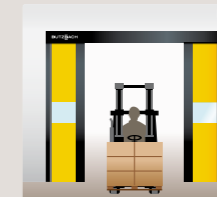
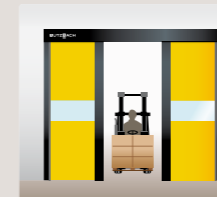
Lateral thinking for speed and safety

It was in order to meet these challenges that Arnold Butzbach developed a revolutionary industrial door more than 30 years ago. Instead of going up, the two halves of the door roll sideways – in less than a second, thanks to spring force. That makes the entire height of the opening immediately available for use, drastically cutting the risk of accidents.

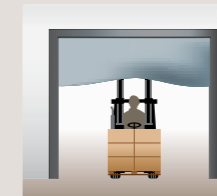
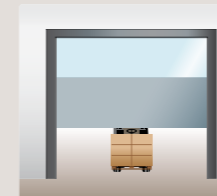
The original – now better than ever

The NOVOSPRINT door series from Butzbach is still based on the same underlying principle of horizontal opening today – achieved with the very latest technology and materials. Today NOVOSPRINT is the leading solution for everyone expecting the highest standards of efficiency, profitability and reliable protection.

The **NOVOSPRINT**® principle:



NOVOSPRINT high-speed door:
2 side-opening door leaves. For twice the speed and significantly enhanced safety.



Traditional high-speed door:
1 door panel rolling vertically upwards. Even when the door is above the driver's line of sight, it is not completely open. Danger of crashing!

You can find out more about the NOVOSPRINT principle in our video.



What does a door have to accomplish?

Here's what our customers say



"For me, the door must open the way quickly and safely."

Eric F., Forklift Driver



"Our production has to perform without disturbance. That's why reliable solutions and suppliers are crucial for us."

Michael D., Production Manager



"To protect our workers, I need a door that makes an active contribution to avoiding accidents and the risk of illness due to draughts, noise or the like."

Steve B., Safety Officer



"For financial planning, an investment must pay off in the long term, in other words have a long life with low running costs."

Jessica O., Financial Manager



"In purchasing it's not just about the purchase price – we also need to consider that the supplier really understands our needs and offers real solutions."

Caren W., Purchasing Manager

"Effective and efficient processes without being disturbed by a door – that's our expectance."

Dietmar H., Logistics Manager

Convincing by performance

High-speed doors **NOVOSPRINT**® offer an intelligent combination of benefits



< 1 second

is all it takes for a NOVOSPRINT Syncro to open 2.20 m wide for a forklift truck. That allows the opening mechanism to be triggered at a distance of just 4 m even when travelling at 20 km/h.

350.000 openings a year

and up to six opening cycles a minute – that's the performance promised by NOVOSPRINT to give you optimum logistics support. That means it is configured to cope with maximum stress and frequency of use.

100 %

crash protection is the objective. With the side-opening NOVOSPRINT principle, you come a whole lot closer to it.



1. More efficiency



Short opening and closing times



Smooth processes thanks to precisely adjustable opening times



Lower heat losses*

An intelligent door doesn't put the brakes on you. It is your active partner – always in time with your work processes.

Shortest opening times minimise the transfer of dust, draught and noise and contribute actively to the health protection of your staff. Furthermore they support the efficiency of production processes, reduce the temperature exchange and save energy.

* "From an opening time per hour of just 3 minutes during the period of use, the ventilation heat loss caused by opening exceeds the heat loss caused by transmission and leakage of the door." (analysis report, Fraunhofer IRB Verlag, 2013)

2. More profitability



Extremely long life



Low running costs



Designed for maximum stress

NOVOSPRINT high-speed doors are an investment that certainly pays off.

They have been proving their endurance and reliability under the most difficult of conditions across the world for years, and guarantee an extremely long life alongside low maintenance and servicing costs. NOVOSPRINT doors support your logistics with millions of opening cycles.

3. More safety



Collisions almost precluded



No dangerous braking



Window always remains at eye level

The ideal crash protection is the one you never need! That's why companies who take the prevention of accidents seriously choose NOVOSPRINT.

By opening to both sides simultaneously, the whole height of the door is available for use in less than a second. The viewing window always remains at eye level, ensuring the driver always has sight of the door and the area behind it. Dangerous braking is avoided, and collision with a door leaf not yet completely open is virtually precluded.

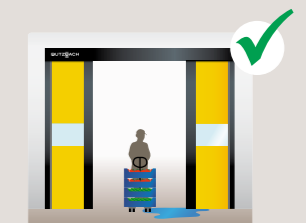


Perfect for renovations

Retrofitting made easy! All NOVOSPRINT doors are designed to be self-supporting and compact. That makes them the number one choice for retrofitting – even in old buildings.

A clean solution

The NOVOSPRINT principle of side opening ensures that no dirt gets from the ground onto workers or the goods being transported. That's because – unlike vertically opening doors – neither dust nor liquids can be pulled upwards with the closing edge before then falling or dripping down.



Open for all installation situations

Four **NOVOSPRINT**[®] door types are the foundation for your individual solution



At Butzbach, we won't sell you any off-the-peg door.

Our aim is to support your processes with exactly the solution that you need and want. In the first step, you select the model that meets your fundamental requirements. Our advisers then consult with you to customise it to your precise needs. This is achieved with a wide range of the very latest pulse transmitters, control options and individual equipment variations.

Equipment packages

All our door types can be combined with a large number of control and security options. In addition to an individual equipment, Butzbach also offers attractive inclusive packages for particular areas of applications such as the food, the pharmaceutical or the car industry.



NOVOSPRINT[®] Syncro

Our fastest industrial door



The classic in terms of design, a latest generation high-speed door in terms of technology: spring force pulls both door leaves open at the same time and rolls them into a compact stand profile. With the "Sprint" option, the door can achieve a top speed of up to 5 m/s. It is closed again immediately by a reliable electric motor.

Features

- Double leaf, synchronised side-opening high-speed door.
- For widths up to 4.5 m and heights up to 4.5 m.
- Opens at up to 5 m/s (with option Sprint).
- Ideal for fast logistics processes in the hall, forklift traffic, entry air locks.

NOVOSPRINT[®] SyncroXL

For extraordinary dimensions



Fast, safe, trouble-free: you can rely on all the NOVOSPRINT benefits even with large openings. SyncroXL allows you to protect highly frequented passage openings reliably and minimise the opening times. With doors up to 9 m wide and 6 m high, even very large motor and rail vehicles can get through.

Features

- Double leaf, synchronised side-opening XL high-speed door.
- For widths up to 9 m and heights up to 6 m.
- Ideal for heavy goods vehicles and large rail vehicles, forklift traffic, entry air locks.

NOVOSPRINT[®] Mono

When things get tight



The space and time-saving solution for unhindered, non-contact pedestrian traffic. As a high-speed door opening to one side, NOVOSPRINT Mono was designed specifically for narrow passage openings. It offers many advantages compared to hinged, swing or sliding doors. The most important feature is that with a rebate profile depth of just 35 mm on the wall side, this installation variant makes almost the entire opening width available for use.

Features

- High-speed door opening to one side.
- Minimum space requirement.
- Fully automatic function for pedestrian traffic.
- Ideal for confined installation situations and highly frequented routes, e.g. in retail or in the healthcare sector.

NOVOSPRINT[®] Duo

Safety for combined vehicular and pedestrian traffic



NOVOSPRINT Duo doors have two leaves that can be activated independently of each other in one opening. That makes them ideal for separating vehicular and pedestrian traffic or creating a two-lane forklift route, e.g. for safety reasons. If the entire width is needed at any time, all that needs to be done is to open both leaves and remove the lane partition.

Features

- Side-opening high-speed door with asynchronous and individually controllable leaves.
- Width up to 4.5 m and height up to 4.5 m.
- Ideal for separating lanes and pedestrian accesses in one opening.

* on the first set of springs for the NOVOSPRINT Syncro, Mono and Duo door types.

The door to new opportunities

Optional extras customise **NOVOSPRINT**® to your requirements

Uninterrupted and process-appropriate operations depend on a lot of details.

The same applies for compliance with safety and hygiene requirements. Using optional extras and accessories, we can customise your door precisely to these requirements – opening up a wealth of new possibilities for you. In the planning stage your Butzbach adviser will ensure that this will also work in practice right from the start.



Ground closure — Keeps out what is supposed to stay out

The new floor profile option closes the gap in NOVOSPRINT applications in the truest sense of the term. As soon as the door comes to a stop, the door leaves are lowered to the floor. That keeps out pests such as insects and small rodents just as much as draughts, dust and noise. And it does so on almost any surface, because the special flexible sealing lip compensates for unevenness in the floor.

Features

- Patent pending technology for reliable closing.
- Compensates for unevenness in the floor up to 10 mm.
- Minimum wear and maintenance applications.
- Ideal for food retailers.

“A reliable connection with the floor is a key requisite for quality control in the food industry. With NOVOSPRINT I now have the perfect solution.”

Georg L., Fruit Distribution Nagel, Neu-Ulm



See the benefits of the ground closure for yourself in our video!



Sprint — Ultra-fast opening and closing

Tune your NOVOSPRINT Syncro high-speed door to maximum performance. You will be able to achieve top speeds of up to 5 m/s thanks to the spring force exerted during opening. With an additional light curtain, you can also maximise the closing speed up to 2.5 m/s. This option is ideal wherever fast, manoeuvrable vehicles are active in confined spaces, such as forklift traffic.

Features

- For all areas where maximum safety at top speed is essential.
- Opening speed up to 5 m/s.
- Closing speed up to 2.5 m/s when supplemented with light curtain (not available with all door types).



Transport rail — For the unhindered flow of goods

In many production processes goods are transported in containers such as big bags on a crane runway. If this requires separating two rooms without stopping the flow of goods, we can adapt your high-speed door with a precise cut-out. Activation sensors enable it to open and close in perfect rhythm with the goods being transported.

Features

- Fast and unhindered processes thanks to side opening.
- Activation sensors can be tailored precisely to the intended purpose.
- For crane runways, roller conveyors and other transport systems.



Hygiene — Design your own standard

Whether the pharmaceutical industry, food retailing or the health sector, the wide and varied hygiene options offered by your NOVOSPRINT door allow you to meet specific regulations on cleanliness, non-porosity, corrosion resistance, food safety and many other requirements. Discuss your individual needs with your Butzbach expert – and get a solution tailored for you.

Features

- All important components also available in stainless steel.
- Food-safe skins on request.
- Easy disassembly of the covers makes cleaning and disinfection easier.
- Horizontal opening prevents dirt from being lifted from the floor.
- The optional ground closure keeps pests away.



Double skin — A second skin for even more protection

NOVOSPRINT high-speed doors in the basic version with one skin offer sufficient protection for the majority of cases. If there is a higher requirement for heat and noise insulation, however, the doors can be equipped with a double skin. This generates a cushion of air that improves both heat and noise insulation. The door also remains tight even if the skin is damaged on one side.

Features

- Heat insulating.
- Noise insulating.

The door to new opportunities

Optional extras customise **NOVOSPRINT**® to your requirements



Escape route — Fast in safety

A door used on an escape and emergency route must be able to be opened quickly in all situations – i.e. even if the power fails. The NOVOSPRINT option to meet this requirement has been tested and approved. Because the door is opened by spring force, it is not dependent on the power supply. Opening is triggered by a certified failsafe radar motion detector. It is tested automatically every 24 hours to check it is working perfectly.

Features

- Maximum safety for the workforce.
- Reliable escape and emergency route function.
- Ideal combination: efficient logistics door and escape and emergency route in one.



Airlock — Reduces waiting times, accelerates processes

When there are considerable temperature differences, even internal goods traffic frequently passes through climate locks. These are transition zones, at each end of which is a door. The special NOVOSPRINT benefit: the short opening times of the doors reduces the waiting time for people and vehicles in the lock to a minimum. This accelerates the entire access process and enhances safety, because dangerous braking manoeuvres are avoided. The risk of illness from draughts in the door area also falls.

Features

- Shorter waiting times.
- Increased energy savings.
- Accident and health protection.
- For every NOVOSPRINT door type.



Combination —

Combined protection for highly frequented external doors

This “Hybrid” option is recommended where there are large differences between hours of operation and non-working hours. It combines a safe, extremely durable NOVOSPRINT high-speed door with a solid, well-insulated external door. When things are at their busiest, only the high-speed door is active. In non-working hours the external door both protects the building and offers ideal heat insulation.

Features

- Minimises heat losses and draughts.
- Reliable and low in wear – even with high-frequency use.
- Can supplement existing external doors.

Perfected with accessories

Details give your NOVOSPRINT door that finishing touch, enabling it to fit seamlessly into your work and logistics processes. Some examples from our comprehensive product range:



Light curtain



Radar sensor / Crash guard



Skin colours

Examples

- Photoelectric barrier
 - Laser sensor
 - Switches
 - Control systems
 - Skin design
 - Imprinting
- ... and much more. Why not talk to your Butzbach consultant about what you are looking for?

Tried and tested

For more than 30 years customers put their trust in high-speed doors **NOVOSPRINT**®



“We were looking for high-speed doors that could at the same time serve on escape routes, in clean room applications and with a transport rail. And we found NOVOSPRINT. Since being installed the doors have made a reliable contribution to trouble-free, safe and process-aligned operations.”

Pierre F., Lean Manufacturing Project Manager, Ratier-Figeac (France)



Customer: Aesculap
Location: Tuttlingen, Germany
Products: NOVOSPRINT Syncro and NOVOSPRINT SyncroXL



Customer: AUDI
Location: Dubai, United Arab Emirates
Products: NOVOSPRINT Syncro and NOVOSPRINT Syncro XL



Customer: Supermarket, Food Department
Location: Gosselies, Belgium
Products: NOVOSPRINT Mono with printed door skins



Customer: BOSIG GmbH
Location: Gingen an der Fils, Germany
Products: NOVOSPRINT Combination with fibreglass doors SPACELITE

Partner for the whole life of the product

Our goal: to help your operations run smoothly



What matters most to us is the trust of our customers.

A NOVOSPRINT high-speed door doesn't come on its own. That's because we partner you throughout its life cycle. This begins in the consultation and planning process for your individual door solution, but it doesn't stop after installation. Our ultimate aim is to ensure the smoothness of your operations across the entire life of the product. To that end we offer a comprehensive package of services for maintenance and safety inspection, fast repair in the case of incidents and guaranteed spare parts availability for many years to come.

At Butzbach, a forward-thinking approach and traditional values go hand in hand. You see, we're not just one of the world's leading specialists in door and façade systems: we're also a family-owned SME that has stood for quality and reliability for more than 60 years. That's why we manufacture solely in Germany, at two

locations between Stuttgart and Munich. And it's why, from development through to service, we rely only on permanent staff who know our products inside out.

Our promise: with door applications from Butzbach you are on the safe side.

The Butzbach promise:

Intelligent

Good isn't good enough for us. We listen closely to our customers in order to understand their requirements. And we don't rest until we have found a solution that takes them forward – technically as well as economically.

Professional

As a supplier for professionals, our staff guarantee 100% commitment in every phase of our service. That means our customers always have dedicated and highly qualified contacts by their side – from planning through assembly to servicing.

Solid

Ever since 1953 the name Butzbach has stood for German brand quality in the best sense of the term: in line with the latest technology, reliable in function and of sustainable value. **Guaranteed.**

Facts and figures

The **NOVOSPRINT®** portfolio at a glance



Characteristic / door type		NOVOSPRINT® Syncro	NOVOSPRINT® SyncroXL	NOVOSPRINT® Mono	NOVOSPRINT® Duo
Performance figures:	Designed for ... opening cycles a year	350,000	150,000	350,000	350,000
	Continuous operation: opening cycles per hour	60	30	60	60
	Transient operation max. 15 min: opening cycles per minute	6	3	6	6
	Opening speed standard	up to 3.5 m/s	up to 2.0 m/s	up to 1.75 m/s	up to 1.75 m/s per side
	Opening speed SPRINT (single skin only)	up to 5 m/s	–	up to 2.5 m/s	–
	Closing speed standard	up to 1.5 m/s	up to 1.5 m/s	up to 0.75 m/s	up to 0.75 m/s per side
	Closing speed with light curtain	up to 2.5 m/s	–	up to 1.25 m/s	–
Operating forces / safe opening according to EN 13241-1	fulfilled	fulfilled	fulfilled	fulfilled	
Door size:	Width min. / max. (clear passage width)	1,000 / 4,500 mm	3,800 / 9,000 mm	900 / 2,500 mm	1,800 / 4,500 mm
	Height min. / max. (clear passage height)	1,700 / 4,500 mm	2,100 / 6,000 mm	1,700 / 3,500 mm	1,700 / 4,500 mm
	Lintel height standard:	330 mm	480 or 880 mm	330 mm	330 mm
	Lateral space required motor side / non-motor side	350 / 350 mm	525 / 525 mm	425 / 35 or 350 / 135 mm	350 / 350 mm
	Total depth required	420 or 520 mm	650 or 690 mm	420 mm	420 mm
Material:	Door skins: polyester fabric PVC coated on both sides similar to RAL 1003, with vision element at a height of 1,480 to 2,000 mm	■	■	■	■
	Special variants: special colour, PVC-free, food safe (comparable with FDA requirements), antistatic, hardly flammable (B1)	□	□	□	□
	Vision element in special height / special version	□	□	□	□
	Frame: horizontal cross-beam, vertical jam and vertical profile sheet metal, RAL 9005 or Sendzimir galvanised	■	■	■	■
Drive / control	Gear motor with double brake (WITH emergency release lever – closed when de-energised)	■	■	■	■ (2x)
	Gear motor with double brake (WITHOUT emergency release lever – open when de-energised)	□	□	□	□ (2x)
	BDC E800 F frequency converter control, 230V / 50 Hz	■	–	■	■ (2x)
	4KW frequency converter control 400V / 50 Hz	–	■	–	–
	Emergency operation: with Bowden cable lever, self-opening	■	■	■	■ (2x)
Options	Ground closure	□	–	□	□
	Escape route	□	□	□	□
	Transport rail	□	□	–	□*
	Hygiene	□	–	□	–
	Airlock	□	□	□	□
	Double skin	□	–	□	□
	Combination	□	□	□	□
	Sprint	□	–	□	□

Not all options can be combined with each other. Figures may vary according to size, application and equipment.
 ■ standard; □ possible; * in preparation

Our further products



Stacking doors **SPACELITE**

- Light-transmitting fibreglass panels deliver the best light conditions in the building.
- Compact dimensions thanks to space-saving stacking technology.
- Low-wear technology ensures lasting value for money and reliable operation.



Sectional doors **SECTIOLITE**

- High opening speed, can be combined with additional optional functions.
- Light-transmitting fibreglass panels deliver the best working conditions in the building.
- Safe, reliable and economic operation.



Sliding doors **HANGAR DOORS**

- One hundred per cent reliability and operational safety.
- Translucent fibreglass panels deliver the best light conditions.
- Individual project support from the first sketch to delivery and in operation.



Fibreglass curtain walls **VARIOPLANplus**

- Innovative combination of materials: aluminium frame structure with fibreglass panels.
- High light transmittance, extremely low weight, very good heat insulation properties and outstanding long life.
- Unique in terms of possible applications, physical properties and optical appearance.