Food industry

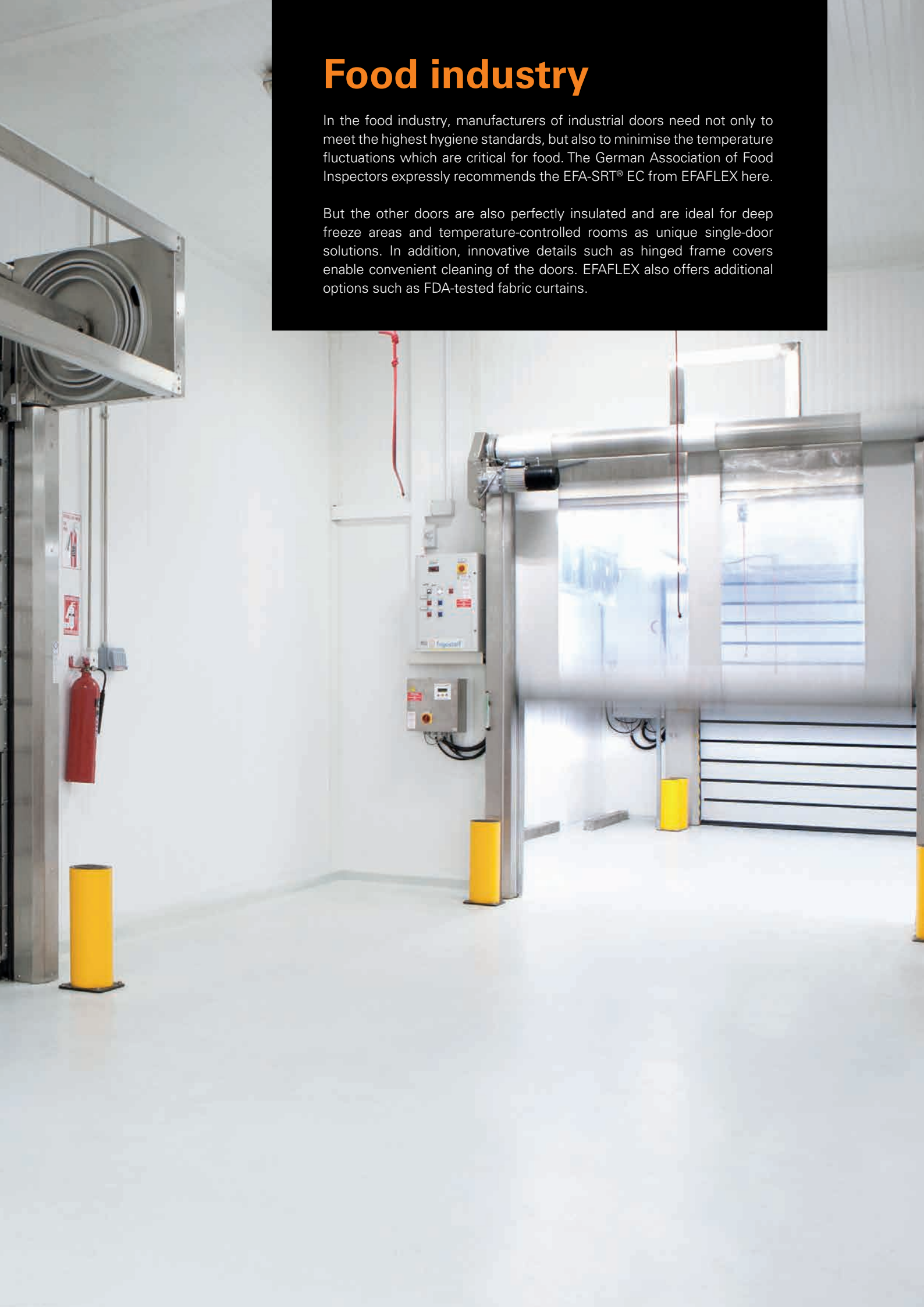
Sophisticated technology and maximum efficiency

EFAFLEX
safe high-speed doors

Food industry

In the food industry, manufacturers of industrial doors need not only to meet the highest hygiene standards, but also to minimise the temperature fluctuations which are critical for food. The German Association of Food Inspectors expressly recommends the EFA-SRT® EC from EFAFLEX here.

But the other doors are also perfectly insulated and are ideal for deep freeze areas and temperature-controlled rooms as unique single-door solutions. In addition, innovative details such as hinged frame covers enable convenient cleaning of the doors. EFAFLEX also offers additional options such as FDA-tested fabric curtains.



Individual solutions for the food industry.

High-speed roll-up door EFA-SRT® MS
Page 11

High-speed roll-up door EFA-SRT® EC (easy clean)
Page 14

High-speed roll-up door EFA-SRT® MTL
Page 15

High-speed spiral door EFA-SST®
Page 6

For more information about our solutions for the food industry visit:
www.efaflex.com/food-industry

YOUR ADVANTAGES AT A GLANCE:

- Industry-specific door solutions with focus on wet areas & cleaning
- Insulated doors for deep freeze areas and temperature-controlled rooms
- For highest hygiene standards and rust prevention
- Optional special curtains for industrial high pressure cleaning and disinfection
- Alternative aseptic motors
- FDA-tested fabric curtains

High-speed folding door EFA-SFT®

Page 9

High-speed spiral door EFA-SST® TK-100

Page 8

High-speed spiral door EFA-SST® MS

Page 12

High-speed roll-up door EFA-SRT® ECO

Page 13

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.
- Also available in low-header design
- Standard sizes of up to w=10,000 mm, h=12,000 mm

Spiral door technology in perfection. EFA-SST®

The EFA-SST® high-speed spiral door represents a modern 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.

The pioneer in spiral technology.
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 leaf is not rolled up on a shaft, but is guided into the EFAFLEX spiral instead, saving space and operating virtually wear free.

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

EFA-SST® TK-100 AT A GLANCE:

- Optimal single door solution
- Air permeability class 5 according to DIN EN 12426
- Frames and laths thermally separated
- Almost hermetically sealed
- Opening speed up to 2.0 m/s
- Closing speed up to 0.5 m/s
- U value up to 0.62 W/m²K
- Up to 200,000 operating cycles p.a.
- Standard sizes of up to w=4,500 mm, h=6,000 mm

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

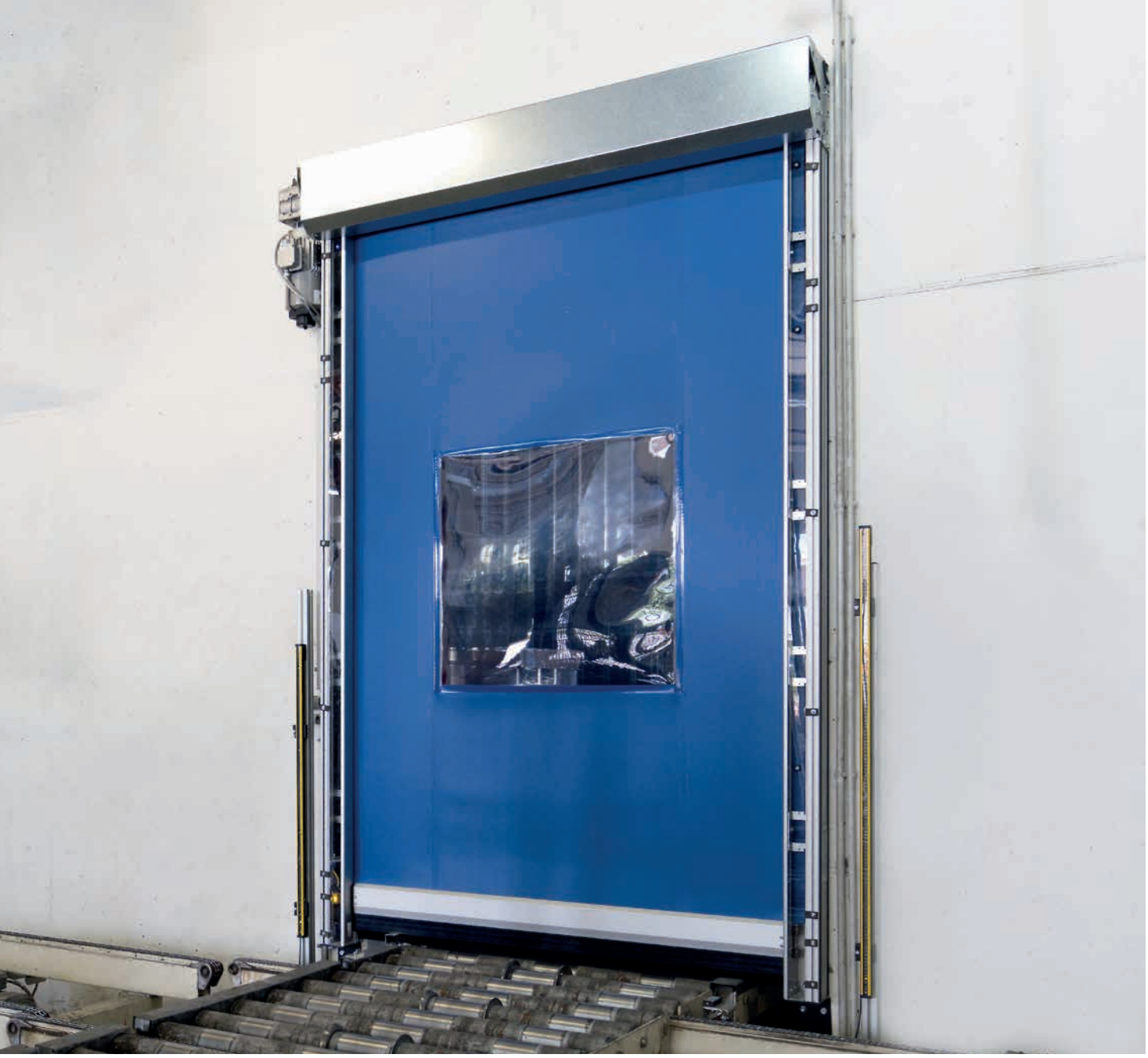
The EFA-SST® TK-100 high-speed spiral door is the first true single-door solution for freezer areas. In addition to the highest opening and closing speeds, it achieves the best insulation values for spiral doors and thus represents a high-quality solution for every deep-freeze room.

The folding door for outside and inside. EFA-SFT®

The EFA-SFT® combines functionality and aesthetics. Due to the 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. If neccesary, the integration of pedestrian doors is also possible.

EFA-SFT®
AT A GLANCE:

- Fast, robust, economical
- Minimal space requirement
- Excellent price-performance ratio
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=5,250 mm, h=7,000 mm



EFA-SRT® MS PERFORMANCE AT A GLANCE:

- Functional safety performance level »d«
- Up to 1,000,000 cycles per year
- Transparent, easy-to-open door frames
- Self-assembly possible
- Rotatable drive in up to eight positions
- Maximum speed up to 2.0 m/s
- Door curtain made from flexible PVC
- Life cycle 12 years
- Standard sizes of up to w=6,200 mm, h=5,500 mm

The powerful machine protection door. EFA-SRT® MS Performance

The EFA-SRT® MS Performance can be flexibly adapted to the individual needs of custom requirements. Attachment components and fence connections can be mounted on the newly developed frames made of extruded aluminum profiles. In total, it is possible to optionally integrate up to four limit switches into the frames. This very low-maintenance door features, among other things, a foldable cover and detachable cable covers, which speeds up and facilitates servicing. Additionally, the transparent frame covers make it possible to install LED strips for a traffic light function.

The compact door 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.

EFA-SRT® MS AT A GLANCE:

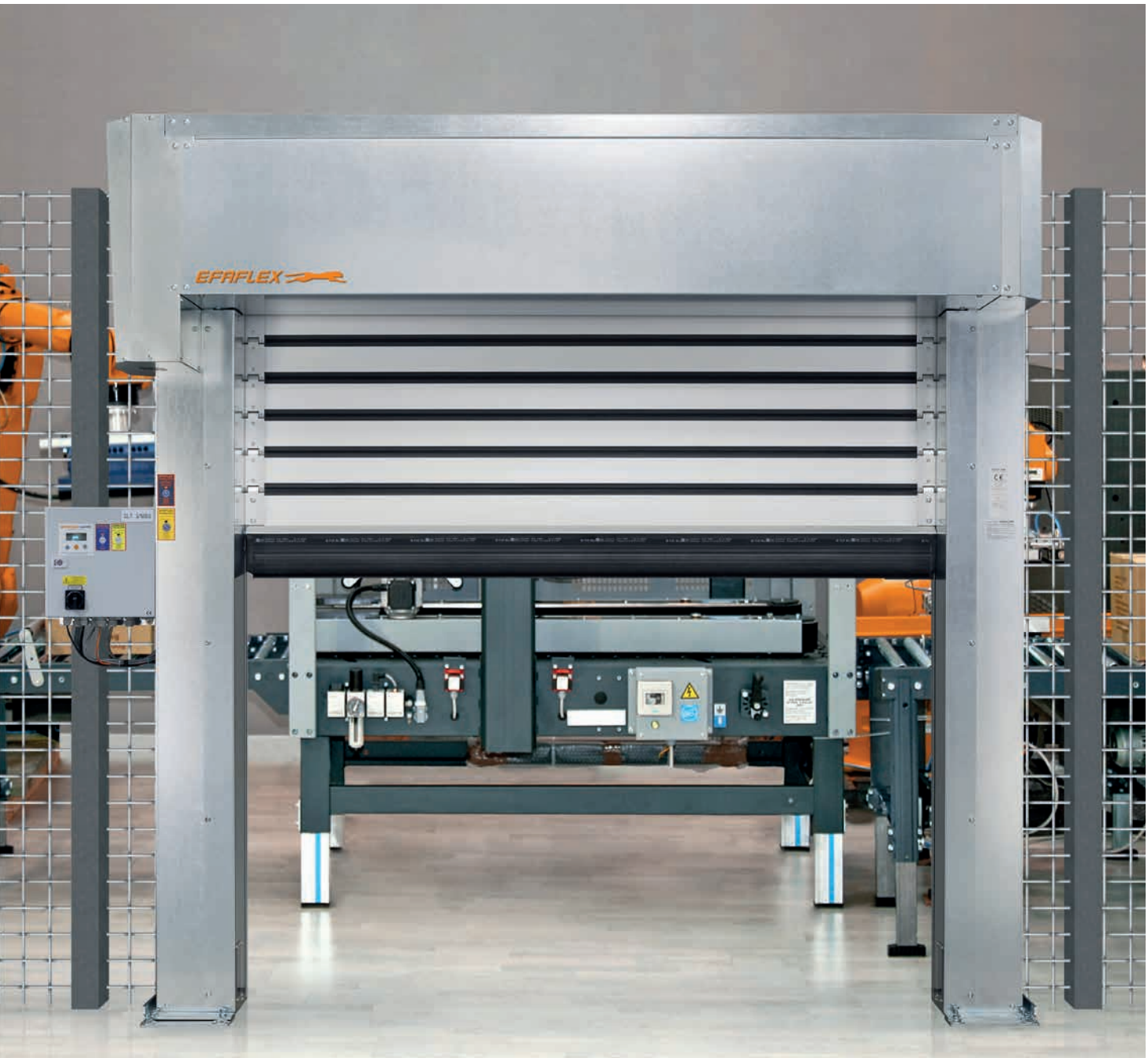
- Functional safety performance level »d«
- Maximum speed up to 1.8 m/s
- Door curtain made from transparent flexible PVC
- Special curtains are available on request
- Up to 250,000 cycles p.a.
- Maximum of 7 cycles per minute
- Life cycle 12 years
- Standard sizes of up to w=5,000 mm, h=3,500 mm

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 of 12 years
- Standard sizes of up to w=3,000 mm, h=3,000 mm

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.



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, its very slim side door frames. Thus, the EFA-SRT® ECO can be applied in more situations than any other roll-up door.

EFA-SRT® ECO AT A GLANCE:

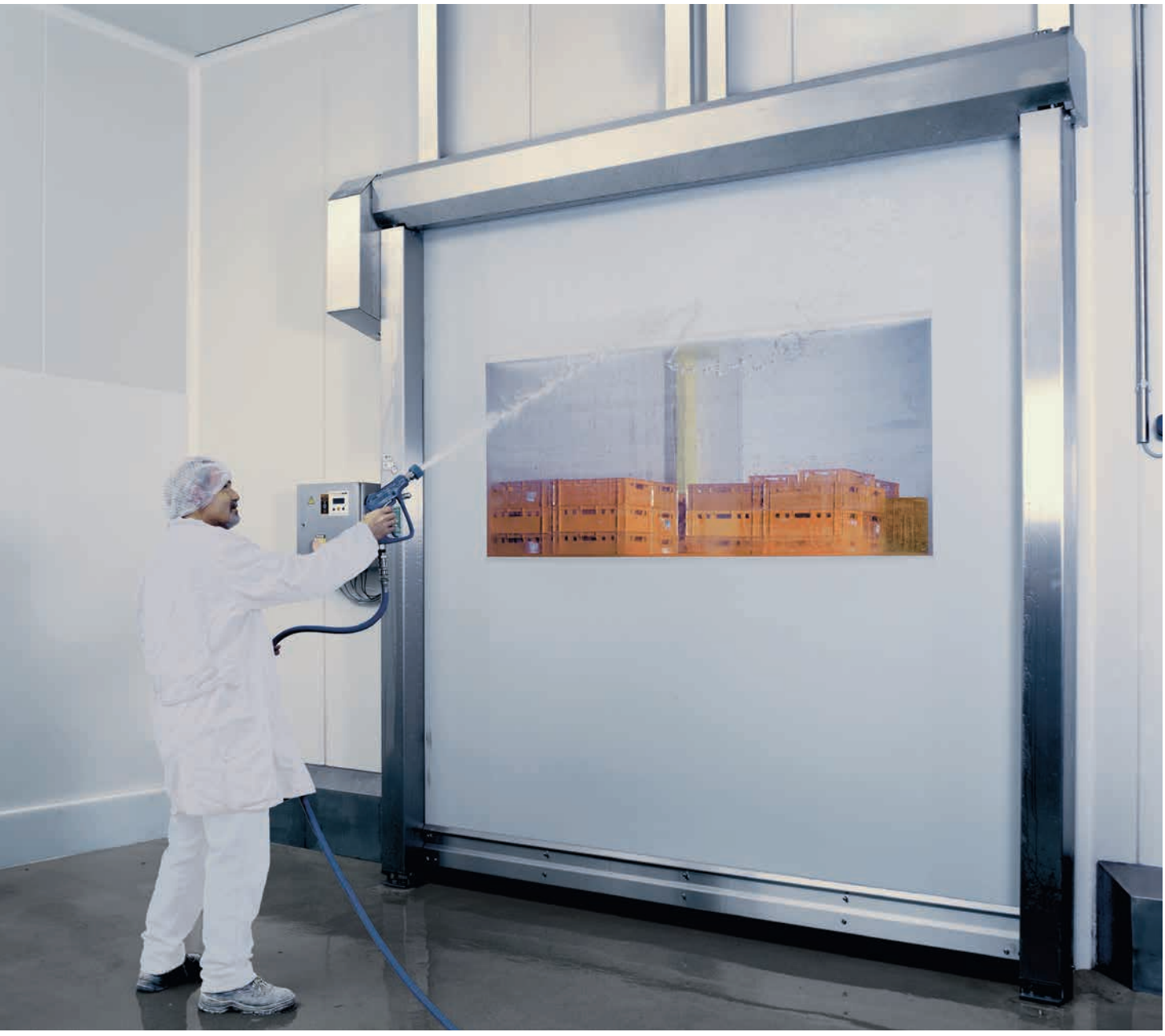
- Ideal for material-handling technology
- Space-saving design
- Excellent price-performance ratio
- With optional crash protection
- Opening speed up to 2.0 m/s
- Closing speed up to 1.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=6,000 mm, h=7,000 mm

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

The EFA-SRT® EC (Easy Clean) 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).

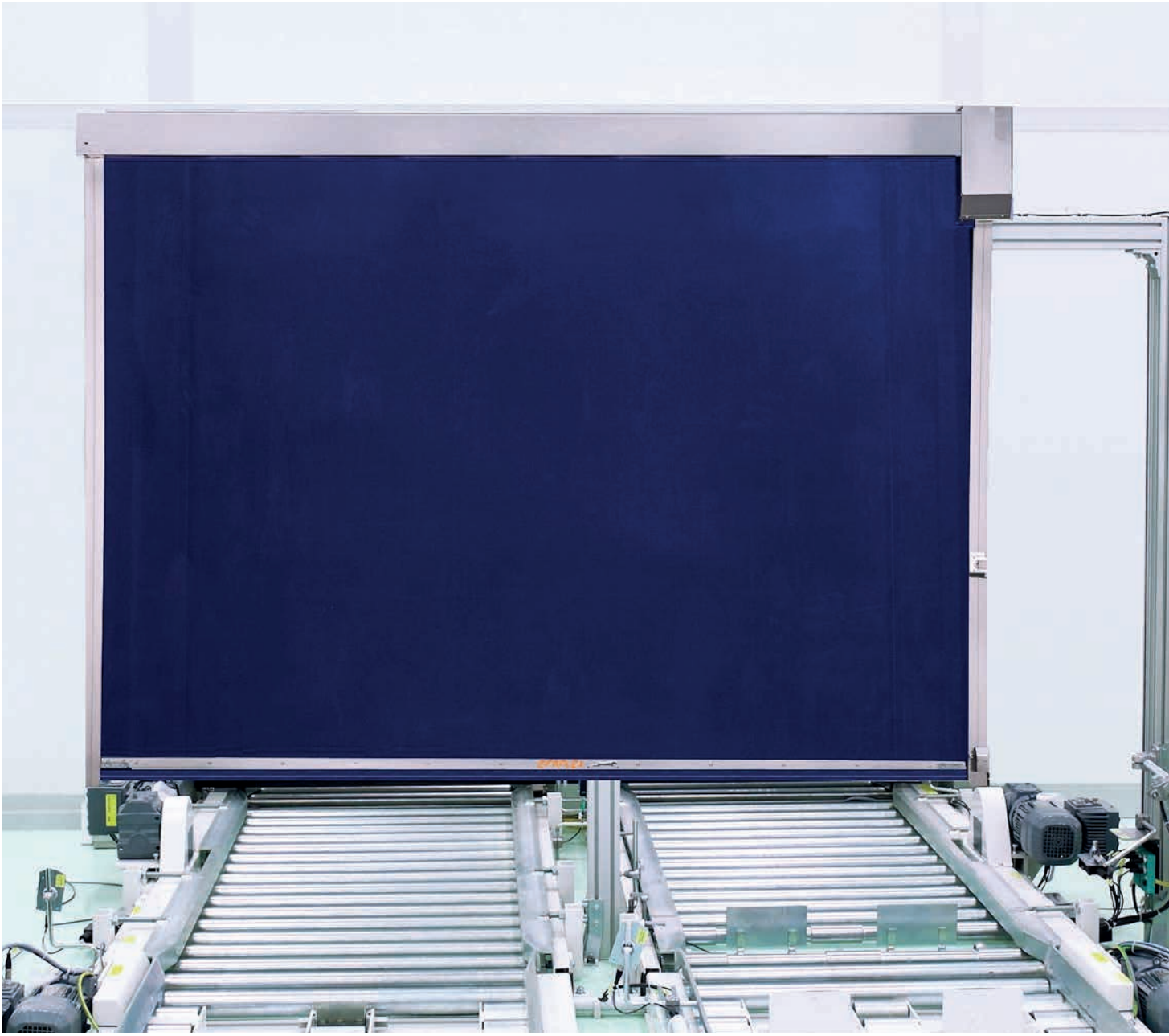


The high-speed roll-up door for logistics.
EFA-SRT® MTL

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 other 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).

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 applicatons
- 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



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
- Up to 500,000 load changes p.a.
- Standard sizes up to w=1,600 mm, h=1,600 mm

The customised plant solution. EFA-SRT® MHT Compact

Capable of up to 500,000 load changes per year, the innovative EFA-SRT® MHT Compact performs the highest number of 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 integrated and customised into complex systems, such as baggage handling at airports.

Technical details
High-speed doors intralogistics

		MTL Series	
		EFA-SRT® MTL	EFA-SRT® MHT Compact
Application	Interior door	●	●
Wind load max.*	According to DIN EN 12424 class	0	–
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	–
Air permeability*	According to DIN EN 13241 class	0	–
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	12	12
Door size (in mm)	Width W max.	3,000	1,600
	Height H max.	3,000	1,600
Guide of door leaf	Round Spiral	–	–
Steel design	Galvanized sheet steel frame	●	●
	Powder coated in RAL colours	○	○
Door leaf	EFA-CLEAR® Vision laths single-walled	–	–
	EFA-VENT® Ventilation laths	–	–
	EFA-ALUX® Aluminium laths	–	–
	Colour according to RAL (without vison panel)	–	–
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	–
	flexible fabric in different colours with/ without vison panel	○/○	–/●
Fire class	Building Material class DIN 4102	B2	B2
Weight balancing by		–	–
Designed for approx ... operating cycles per year		250,000	500,000
Drive	Electric motor	●	●
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	○	–
	Circuit breaker	16 A (K)	16 A (K)
Emergency operation	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	–/○	–/○
	EFA-3D-SCAN	○	○

● Standard, ○ upon request, – Not available, ○(*) Depending on the type of drive,
* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details
High-speed spiral doors

		Premium				
	Size	L	S	ÜS	XL	XXL
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
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	erfüllt	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	3	3	3	3	1
Air permeability*	According to DIN EN 13241 class	3	3	3	3	3
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	24	25	26	26	26
U value maximum*	in W/m²K according to DIN EN 13241	1.52	0.91	0.66	0.66	0.54
Door size (in mm)	Width W max.	4,500	6,000	8,000	10,000	10,000
	Height H max.	5,000	6,000	8,000	6,600	12,000
Maximum door leaf speed*	in m/s	2.5	1.5	1.2	1.0	0.5
Guide of door leaf	Round Spiral	●	●	●	●	●
	Oval Spiral	●	●	–	–	–
	Low-header	–	–	–	–	–
Steel design	Galvanized sheet steel frame	●	●	●	●	●
	Stainless steel	○	○	–	–	–
	Powder coated in RAL colours	○	○	○	○	○
Door leaf	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	–	–	–	–	–
	Colour according to RAL (without vison panel)	○	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		250,000	250,000	250,000	150,000	100,000
Drive	Electric motor	●	●	●	●	●
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	○	○	○	○	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		●	●	●	●	●
Emergency operation	Automatic after 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	○/○	○/○	○/○	○/○	○/○
	EFA-3D-SCAN	○	○	○	○	○

● Standard, ○ upon request, – Not available, npd = No Performance Determined
*Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

S Series

EFA-SST®								
ECO		Basic	Essential	Classic				
L	S	L	L	L	S	ÜS	L-N	S-N
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
2 – 4	2 – 4	2 – 4	2 – 4	2 – 4	4	2 – 4	2 – 4	4
fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
3	3	3	2	0	0	0	npd	npd
3	3	3	0	2	2	2	npd	npd
24	25	24	20	23	25	25	23	25
1.52	0.91	1.52	1.67	5.8	5.6	5.6	5.8	5.7
4,500	6,000	4,500	4,500	4,000	6,000	8,000	4,000	6,000
5,000	6,000	5,000	5,000	5,000	7,000	7,000	4,000	5,000
1.0	0.9	0.5	0.5	2.0	2.0	1.5	1.5	1.5
●	●	●	●	●	●	●	–	–
●	●	●	–	●	●	●	–	–
●	●	–	–	–	–	–	●	●
●	●	●	●	●	●	●	●	●
○	○	○	–	○	○	○	○	○
○	○	○	○	○	○	○	○	○
●	●	●	●	–	–	–	–	–
○	○	○	○	–	–	–	–	–
○	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○
–	–	–	–	●	●	●	○	○
○	○	○	○	○	○	○	○	○
B2	B2	B2	B2	B2	B2	B2	B2	B2
Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring
200,000	200,000	100,000	100,000	250,000	250,000	250,000	150,000	150,000
●	●	●	●	●	●	●	●	●
●	●	○	○	●	●	–	●	●
–	–	●	●	–	–	–	–	–
○	○	○	○	○	○	●	○	○
●	●	●	○	●	●	●	●	●
●	●	●	●	●	●	●	●	●
○	○	–	–	○	○	○	○	○
16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
○	○	○	○	○	○	○	○	○
●	●	●	●	●	●	●	●	●
○	*	–	–	○	*	*	○	*
●	*	●	●	●	*	*	●	*
●	*	●	●	●	*	*	●	*
○	○	○	○	○	○	○	○	○
○	○	○	–	○	○	○	○	○
○/○	○/○	–	–	–/○	–/○	–/○	○	○
○	○	○	○	○	○	○	○	○

Technical details
High-speed doors deep-freeze

		S Series EFA-SST® TK-100		
	Size	Installation on warm side	Installation on cold side	Inertisation
Application	Interior door	Lock-up-deep-freeze	Lock-up-deep-freeze	●
	Lock-up doors	–	–	●
Wind load max.*	According to DIN EN 12424 class	3	3	3
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	npd	npd	npd
Air permeability*	According to DIN EN 13241 class	5	5	5
Direct airborne sound insulation R_w*	in dB according to DIN EN 717-1	26	26	26
U value maximum*	in W/m²K according to DIN EN 13241	0.62	0.62	0.62
Door size (in mm)	Width W max.	4,000	4,000	4,500
	Height H max.	6,000	6,000	6,000
Maximum door leaf speed*	in m/s	2.0	2.0	2.0
Guide of door leaf	Round Spiral	●	●	●
Steel design	Galvanized sheet steel frame	●	●	●
	Stainless steel	○	○	○
	Powder coated in RAL colours	○	○	○
Door leaf	EFA-THERM® laths insulated / painted	●	●	●
	EFA-CLEAR® Vision laths double-walled, thermally separated	–	–	○
	EFA-ALUX® Aluminium laths	–	–	–
	Colour according to RAL (without vison panel)	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2
Weight balancing by		Spring	Spring	Spring
Designed for approx ... operating cycles per year		200,000	200,000	200,000
Drive	Electric motor	●	●	●
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	●	●	○
	Circuit breaker	25 A (K)	25 A (K)	16 A (K)
Manual locking		○	○	○
Emergency operation	Automatic after 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	–	–	–
	EFA-3D-SCAN	–	–	–

● Standard, ○ upon request, – Not available, npd = No Performance Determined,
* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details
High-speed roll-up doors

		R Series			
			EFA-SRT®		
		Premium	ECO		EC
	Size	L	L	S	L
Application	Interior door	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	0 – 3	–	0 – 2	–
	resp. in km/h	–	18	18	18
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	npd	npd	0	npd
Air permeability*	According to DIN EN 13241 class	npd	npd	1	npd
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	12	11	11	12
Door size (in mm)	Width W max.	5,000	4,000	6,000	4,000
	Height H max.	5,500	4,000	7,000	4,000
Maximum door leaf speed*	in m/s	2.6	2.0	2.0	2.0
Average speed, approx.*	Opening in m/s	2.0	1.5	1.5	1.5
	Closing in m/s	0.75	0.75	0.6	0.75
	Closing by door light grid EFA-TLG® in m/s	1.0	1.0	1.0	–
Steel design	Galvanized sheet steel frame	●	●	●	–
	Stainless steel	○	○	○	●
	Powder coated in RAL colours	○	○	○	–
Door leaf	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	●	–	○
	flexible fabric in different colours with / without vison pane	○/○	○/○	○/●	○/●
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Weight balancing by		Spring	Weight	Weight	Weight
Designed for approx ... operating cycles per year		150,000	150,000	150,000	150,000
Collision protection	EFA-EAS®	○	○	–	–
Drive	Electric motor	●	●	●	●
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	○	○	○	○
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Emergency operation	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	–/○	–/○	–/○	–/–
	EFA-3D-SCAN	○	○	○	–

● Standard, ○ upon request, – Not available, npd = No Performance Determined,
* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details
High-speed doors machine protection

		MS Series						
		EFA-SRT® MS						EFA-SST® MS
		Performance				A	A	
	Size	L	S	L	S	L	S	
Application	According to DIN EN 12424 class	●	●	●	●	●	●	●
Wind load max.*	According to DIN EN 13241 class	0	0	0	0	0	0	4
Operating forces/ safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
Air permeability*	in dB according to DIN EN 717-1	0	0	0	0	0	0	0
Direct airborne sound insulation R_w*	in dB nach DIN EN 717-1	12	12	12	12	12	12	23
Door size (in mm)	Width W max.	3,500	6,200	3,000	5,000	3,000	6,000	3,000
	Height H max.	3,500	5,500	3,000	3,500	3,000	3,500	3,000
Maximum door leaf speed*	in m/s	2.0	2.0	1.8	1.8	1.8	1.8	2.7
Guide of door leaf	Round Spiral	–	–	–	–	–	–	●
Design	Galvanized sheet steel frame	○	○	●	●	●	●	●
	Powder coated in RAL colours	○	○	○	○	○	○	○
	Door frames aluminium anodised	●	●	–	–	–	–	–
Door leaf	EFA-CLEAR® Vision laths single-walled	–	–	–	–	–	–	○
	EFA-VENT® Ventilation laths	–	–	–	–	–	–	○
	EFA-ALUX® Aluminium laths	–	–	–	–	–	–	●
	Colour according to RAL (without vison panel)	–	–	–	–	–	–	○
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	●	●	●	●	●	–
	flexible fabric in different colours with / without vison panel	○/○	○/○	○/○	○/○	○/○	○/○	–
Fire class	Building Material class DIN 4102	B2/B1 ○	B2/B1 ○	B2/B1 ○	B2/B1 ○	B2/B1 ○	B2/B1 ○	B2
	Building Material class SE DIN EN ISO 340	○	○	○	○	○	○	–
Weight balancing by		–	–	–	–	–	–	Spring
Designed for approx ... operating cycles	per year	1,000,000	1,000,000	250,000	250,000	250,000	250,000	250,000
Drive	Electric motor	●	●	●	●	●	●	●
Control	EFA-TRONIC® Professional MS	●	●	●	●	●	●	●
	EFA-TRONIC®	○	○	○	○	○	○	○
	EFA-ProfiNetSafe®	○	○	○	○	○	○	○
Lead	Electricity connection 230 V/50 Hz	○	○	○	○	○	○	○
	Electricity connection 400 V/50 Hz	●	●	●	●	●	●	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	–	–	–	–	–	–	○
	Manual activation	●	●	●	●	●	●	–
Safety Devices	EFA-TLG® door light grid in door closing line	●	●	–	–	–	–	–
	Contact edge	○	○	●	●	●	●	●
	Light barrier	○	○	●	●	●	●	●
	Light grid, external	○ HSO	○ HSO	○ HSO	○ HSO	○ HSO	○ HSO	○ HSO

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

Technical details
High-speed folding doors

		F Series			
		EFA-SFT®			
		2-flg.	1-flg.	2-flg.	1-flg.
	Size	L	L	S	S
Application	Interior door	○	○	○	○
	Lock-up doors	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	4	4	3	3
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	0	0	0	0
Air permeability*	According to DIN EN 13241 class	0	0	0	0
Direct airborne sound insulation R_w*	in dB according to DIN EN 717-1	21	21	21	21
U value maximum*	in W/m²K according to DIN EN 13241	4.88	4.88	4.66	4.66
Door size (in mm)	Width W max.	3,750	1,750	5,250	3,000
	Height H max.	3,750	3,750	7,000	7,000
Maximum door leaf speed*	in m/s	2.0	2.5	2.0	2.5
Steel design	Galvanized sheet steel frame	●	●	●	●
	Stainless steel	–	–	–	–
	Powder coated in RAL colours	○	○	○	○
Door leaf	EFA-THERM® laths insulated / painted	–	–	–	–
	Vision panel single-walled / double / triple	●/○/–	●/○/–	●/○/–	●/○/–
	non transparent infill single-walled / double	○/○	○/○	○/○	○/○
	Colour according to RAL (without vison panel)	○	○	○	○
	Door leaf modules made of anodized aluminium E6 / EV1	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Designed for approx ... operating cycles per year		150,000	150,000	150,000	150,000
Drive	Electric motor	●	●	●	●
Control	EFA-TRONIC®	●	●	●	●
	EFA-TRONIC® Light	–	–	–	–
	EFA-TRONIC® Professional	○	○	○	○
	Main switch and foil keypad	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		○	○	○	○
Emergency operation	Manual activation	●	●	●	●
Safety Devices	Contact edge	●	●	●	●
	Light barrier	●	●	●	●
	Approach area monitoring	○	○	○	○
	Light grid, external	○	○	○	○
Safety system including activator	EFA-SCAN® bollard	○	○	○	○
	EFA-3D-SCAN	–	–	–	–

● Standard, ○ upon request, – Not available, * Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

EFAFLEX
Tor- und Sicherheitssysteme
GmbH & Co. KG
Fliederstraße 14
84079 Bruckberg / Germany
Telephone +49 8765 82-0
www.efaflex.com
info@efaflex.com

Overall design:
www.creativconcept.de 04 | 2025

EFAFLEX
safe high-speed doors