USER REPORT

**Protects people and saves energy: the new EFA-SRT® MS Performance machine safety door**

EFAFLEX installs four of its latest door systems at Sto in Kriftel

**EFAFLEX installed the first door system at Sto SE & Co. KGaA's Kriftel site twenty years ago. The company is a leading manufacturer of products and systems for building coatings. Now, further door systems have been ordered and installed. The four new** **EFA-SRT® MS Performance machine safety doors secure the high-bay warehouse. All storage and retrieval operations, as well as dispatch, are carried out through these doors.**

"We have subjected our high-bay warehouse to a retrofit, meaning a fundamental renewal," reports Johannes Jung. He works as a technical administrator at the site. The software for the warehouse as well as the motors have been replaced. On this occasion, the plant management also decided on new doors.   
The 24-metre-high warehouse was built back in 1998 and previously only had fire protection doors. "Due to increased requirements for personnel protection, we now had to install door systems that prevent our employees from accessing the conveyor lines inside the building," explains Johannes Jung.   
"Another very important factor in our choice was the energy efficiency of the new doors. The warehouse is frost-free but cold, while the extension, where employees work in goods receipt, order picking, and dispatch, is heated. The doors now reliably separate the cool and warm areas, and the energy savings are enormous."

The challenge in selecting a door manufacturer was to find a company that could meet the safety requirements while also reducing energy consumption. "What is more, the manufacturer had to cope with the limited space available at the entrances to the warehouse," says the technical administrator. "EFAFLEX was the only company able to offer both."

**Powerful with endurance**

The door system at the high-bay warehouse retrieval area at Sto completes 300 to 400 load cycles daily. In the dispatch area, this figure reaches up to 300 per day.   
The EFA-SRT® MS Performance can handle up to 1,000,000 load cycles per year. It is ideal for areas with customer-specific requirements, as it can be flexibly adapted to individual needs. The newly developed frames made of extruded aluminium profiles allow the supplied attachments and fence connections to be mounted in almost any position. In total, up to four optional limit switches can be integrated into the frames. Thanks to its optimised construction, EFAFLEX’s in-house technicians can install the door quickly on-site, either free-standing or mounted on a wall.

The high-speed EFA-SRT® MS Performance roll-up door is equipped with a door-line light grid in the closing plane. If the light grid detects a person or an obstacle, the closing movement of the door blade is immediately stopped before any contact occurs. This enhances safety levels for both people and machinery. Additionally, our machine safety doors can be fitted with the Head-Safe option. This involves equipping the user side with an extra safety light grid which is positioned in front of the closing plane, preventing the door from closing as soon as a person or another obstacle is detected.

The low-maintenance door features a foldable cover and removable cable covers, significantly simplifying servicing and maintenance. The door blade is made of flexible PVC. The drive can be configured individually and, depending on the variant, can be rotated in 45° increments. The transparent frame covers also make it possible to integrate LED strips into the door cases, allowing a traffic light function to be produced. The door is available in standard sizes up to a width of 3,500 mm and a height of up to 3,500 mm.

**Professional and close to the customer**

Both the planning and execution at Sto were complicated by the aforementioned initial situation. "When it comes to installation and all preparatory work, EFAFLEX is very professional," says Johannes Jung. "The field service actually came by multiple times; several things had to be changed at our site before installation could begin. It was a Sisyphean task."   
EFAFLEX also maintains a customer service location in Raunheim. That is perfect and, so to speak, just around the corner.

**Networked thinking and action: Company information Sto**

As a leading international manufacturer of products and systems for building coatings, the 60 employees at the Kriftel plant produce between 80,000 and 90,000 tonnes of dry mortar per year. Epoxy resin products, such as industrial flooring from the Rüsselsheim plant, are also delivered from Kriftel to sales centres.

Under the umbrella of the Sto Group, the parent company, subsidiaries, and distribution partners work closely together and share their experience. Extensive expertise, interconnected thinking and action, as well as the independence of individual business units, foster innovative ideas. By the end of 2023, the Sto Group was represented in 37 countries, with 50 wholly owned operational subsidiaries and their branches.   
As owners the Stotmeister family remain committed to their company and now influence its direction through the supervisory board.

***EFAFLEX*** ***company information***

*EFAFLEX manufactures high-speed doors for industrial applications. Founded in 1974, the company delivers its solutions to customers from the worlds of industry, trade, food manufacturing and the chemical and pharmaceutical sectors. EFAFLEX is the only manufacturer of high-speed industrial doors to be registered in the world market leader index and is therefore one of the 461 top companies in Germany, Austria and Switzerland. The family-owned business has more than 1,400 employees worldwide. With its headquarters in Bruckberg, Bavaria, EFAFLEX is firmly established as the largest employer in the region. Furthermore, with ten subsidiaries on five continents, the company is opening up international markets. More than 60 percent of EFAFLEX’s revenue is generated abroad.*

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