

## User report

### "The doors are a massive gain!"

USD Formteiltechnik GmbH has chosen high-speed doors from EFAFLEX for the reconstruction of its warehouse and picking centre.

The new building at USD Formteiltechnik GmbH in Meinerzhagen, southern Westphalia, seems exceptionally open and bathed in light for an industrial building. It combines the functionality of a warehouse and a picking hall with ecology and sustainability also ensured in its design. For instance, the lighting system activates automatically by means of a photoelectric sensors, the above-average sized windows allow a lot of natural daylight into the building, while floor heating across the entire hall creates comfortable working conditions. Two high-speed doors from EFAFLEX ensure this warmth stays in the hall while lorries are being loaded or unloaded.

"We were novices in the field of high-speed doors," says managing partner Sebastian Kosak. "After two years of intensive use, we can say that these doors work very well and are a massive gain!" With their transparent laths, the doors integrate perfectly into the hall's modern façade allowing one to look in and out. This approach is very important for operations and is part of the corporate philosophy. "We would like to offer our customers the greatest possible transparency which of course, is also reflected in our building architecture," explains Sebastian Kosak.

With an opening speed of over 3 m/s, high-speed turbo doors from the EFA-STT® series from EFAFLEX are among the fastest, vertically operating doors in the world. The entire door blade consists of individually replaceable, transparent laths

that are connected to each other to form a joint resistant to wind and the elements. Division takes place every 225 mm, meaning permanent translucence of more than 70% of the door surface is achieved. The result is excellent light permeability and continuing transparency. In conjunction with above-average high operating speeds, this extremely robust door model with perfect perimeter sealing contributes to reducing both energy costs drastically, while protecting employees from penetrating cold and draft air. At the same time, wind resistance of over 120 km/h was certified according to DIN EN 12424. In the process, a conceptual alignment towards up to 200,000 operating cycles per year ensures extremely long maintenance intervals and very low maintenance requirements.

With Sebastian Kosak, the two EFAFLEX high-speed doors are under particularly "critical observation". "Reliability is a big topic here," he says. "If there is a snag here, operations come to a standstill. Then, goods neither come in nor go out. We cannot afford that."

Although the doors are permanently moving, customer service comes by only once a year, says warehouse manager Torsten Kauferstein. "We don't need the people more often; the door must keep operating. And it does so very satisfactorily."

To keep the heat loss at the ramp door as low as possible, the door closes not on the loading platform, but to the ground beneath the ramp. At first glance it's an unusual door structure, but one which impresses with its functionality and defies the winter cold and all adverse weather conditions.

"Regarding our new building, we thought intensively about details," says the managing director. "We always do that when it comes to achieving optimal operational equipment and working conditions. And precisely these are important for the global suppliers of cast, forged, sintered, MIM and turned components, punched parts and assemblies. USD moves and stores products in its own

approximately 4,500 m<sup>2</sup> warehousing space. Only the use of the company's own, modern logistics areas makes it possible to supply the customers with goods reliably and on the basis of secure processes."

Established by Jürgen Kosak as a trading company for customer-drawing parts in 1977, today the company is known as a renowned supplier with buyers from across the globe benefitting from the company's industry experience, which now crosses almost 40 years. The customers include successful mid-sized companies, several global market leaders, listed companies and multi-national groups who are consistently offered a complete procurement service.

A strict supplier evaluation system, continuous visits and audits on site support the purchasing department in procuring high-quality products. Despite this, both initial samples and series parts are checked against requirements and documented by the company's own QA team. USD invests continuously in quality and safety and today, in line with guideline VDI/VDE 2627, quality class 3, modern measuring devices such as 3D coordinate-measuring machines, optical measuring machines, hardness testers, spectrometers and various measuring and testing devices are available in the two tempered measuring rooms, so as to ensure consistently good product quality.

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