

**EFAFLEX**   
safe high-speed doors

*Periphery*



**EFA-SCAN<sup>®</sup>**

# Light Years Ahead: Door approach protection by laser scanner.

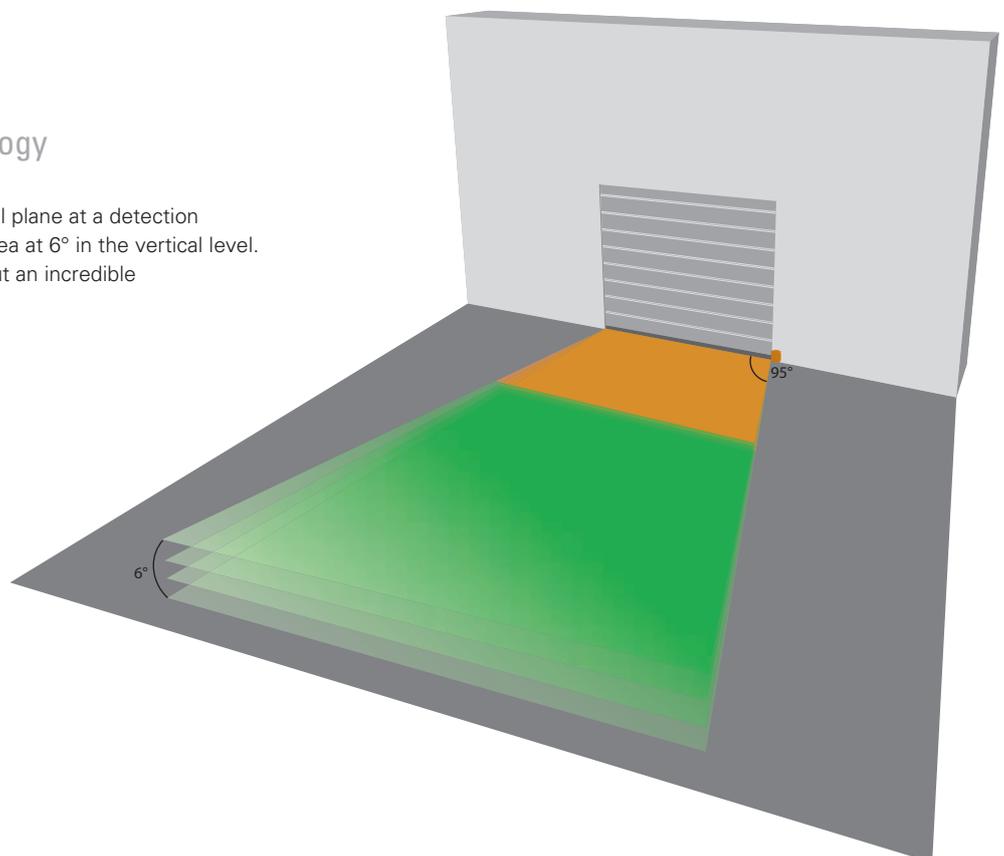
## EFA-SCAN® at a glance:

- Internationally patented break through in door safety
- First ever application of a laser scanner for door systems
- Seamless detection of moving and stationary obstructions
- Intelligent recognition of the direction of movement
- Immune to environmental influences, also suitable for outside installation

EFAFLEX engineers have developed the ground-breaking activator EFA-SCAN®, the first internationally available laser scanner to be used in a door. The innovation from EFAFLEX covers the entire space in front of the door – without a gap for the first time. By intelligent direction recognition, the sophisticated software prevents false activation during rain, snow and bright sunshine. Therefore, EFA-SCAN® is one of the few laser scanners which is also suited for outside installation. This innovative technology ensures a unique, safe and immediate opening of the door. EFAFLEX has achieved a further milestone with EFA-SCAN®, in the development of safe high-speed doors.

## Safety In Numbers – the EFA-SCAN® technology

EFA-SCAN® monitors the horizontal plane at a detection angle of 95°, and also scans the area at 6° in the vertical level. Thereby, the EFA-SCAN® carries out an incredible 16,000 measurements per second.





## Trend Setting Impulses

EFA-SCAN® reacts like an activator within the dynamic detection zone. When detecting a moving object or a person, EFA-SCAN® triggers within a split second and the door opens. Its significant capability is in the intelligent detection and recognition of the direction of movement. EFA-SCAN® does not only detect movement but also calculates the distance, direction and speed of an object of any description. Therefore, EFA-SCAN® emits an impulse to open the door only if someone or something moves towards the door. If people and vehicles are only passing the door it is not activated. In addition, the scanner can distinguish reliably between people and vehicles and can react depending on the setting. According to site requirements, the geometric and dynamic capabilities of the detection zone are completely adjustable (up to 10m x 10m maximum). With the aid of a simple remote control, the monitoring zone can be easily configured.

## Moving Solutions

The EFA-SCAN® carries out the tasks of activators and safety system better than any other technology on the market. The complete laser scanner is directly installed in the door frame or housed in a bollard. In this way, many existing door types from EFAFLEX can be upgraded with the revolutionary laser scanner. When buying a high-speed door, why not choose the safest and most efficient solution?

*The world-wide patented solution: EFA-SCAN®*

## Enhanced Safety

In the static safety field directly in front of the door (orange area in the picture below), the EFA-SCAN® reacts just like a safety system. As soon as the laser scanner detects a moving or stationary obstacle, it prevents the door from closing. If an object such as a goods pallet is positioned in the dynamic detection zone (green area in the picture below), the scanner recognises this object and excludes the stationary object as a source of danger during the following scan. The EFA-SCAN® protects the door and actively prevents accidents.



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## Technological advancement. Pioneering design.

EFAFLEX® is a registered and legally protected trademark.

Subject to technical changes. Some diagrams depict special features.

Overall design:

[www.creativconcept.de](http://www.creativconcept.de) 07120

For more than 40 years, EFAFLEX has developed and designed reliable and highly-efficient high-speed doors. With innovative technology and pioneering solutions for special requests, EFAFLEX continually provides the market with new stimuli. This leadership role through superior technology, the best quality and a maximum degree of security is part of EFAFLEX's identity. More than 1,200 employees guarantee competent consultation and excellent service. Worldwide and always near you.

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