

### **Activator and door safety system EFA-SCAN**

On request, EFAFLEX door systems can be provided with a completely new patented EFA-SCAN laser scanner.

#### **Structure/functions:**

The sensor creates a three-dimensionally monitored surface with individually adjustable, geometric and dynamic detection areas. It offers maximum safety for persons, goods to be transported and secures the door itself against accidents and damage. Basically, two EFA-SCANs are required for the areas "in front of" and „behind“ the door in order to completely replace the previously used combinations of conventional activators and spatial safety devices and/or to considerably exceed their effectiveness. The EFA-SCAN creates two gapless areas: A safety area in the immediate vicinity of the door and – further away – a detection area. The EFA-SCAN sensor functions like a highly modern control device for opening the door. Speed and direction of the detected objects are calculated. A reliable recognition of the direction ensures that only objects which directly move towards the door can trigger an opening impulse. Objects which move parallel to the door or away from the door are faded out so that an "erroneous" opening is effectively prevented.

#### **Delivery, assembly and installation (incl. electric installation with concluding functional test) of:**

EFAFLEX-LASER-SCANNER EFA-SCAN, with direction recognising detection zone and static safety zone, integrated in the door frame. Available for the door types high speed spiral door, high speed turbo door and high speed turbo roll-up door.

#### **Alternative:**

EFAFLEX-LASER-SCANNER EFA-SCAN, with direction recognising detection zone and static safety zone, in separate bollard, factory pre-mounted, bollard height H = 300mm, steel parts painted in RAL 1003, „signal yellow“.

#### **Alternative:**

EFAFLEX-LASER-SCANNER EFA-SCAN, with direction recognising detection zone and static safety zone, to be installed at on-site facility (acc. to EFAFLEX instruction)

#### **On request, in addition:**

Additional bollard, e.g. as pure crash protection, powder coated in RAL 1003 "signal yellow", bollard height H = 300 mm.