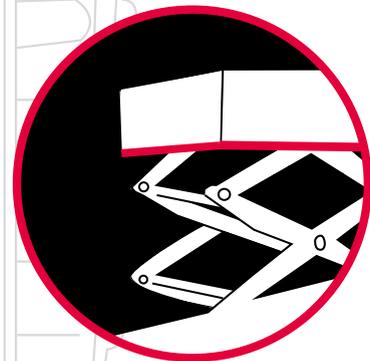
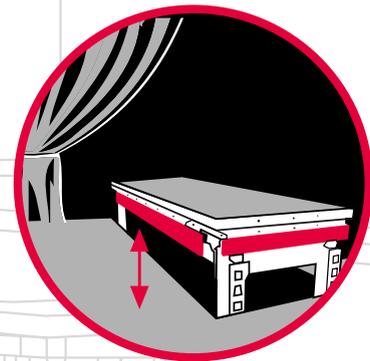
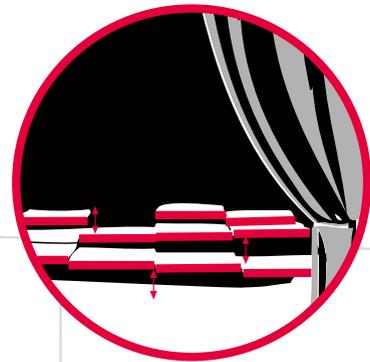


**Mayser Safety technology  
for Stage technology**

## **Safety sensors for stage technology**

While all eyes are on the actors during a performance, every detail behind the scenes also has to be right. Especially when it comes to the safety of the cast and crew.

Important here for instance are Anti Pinch Sensors for automatically controlled stage systems.



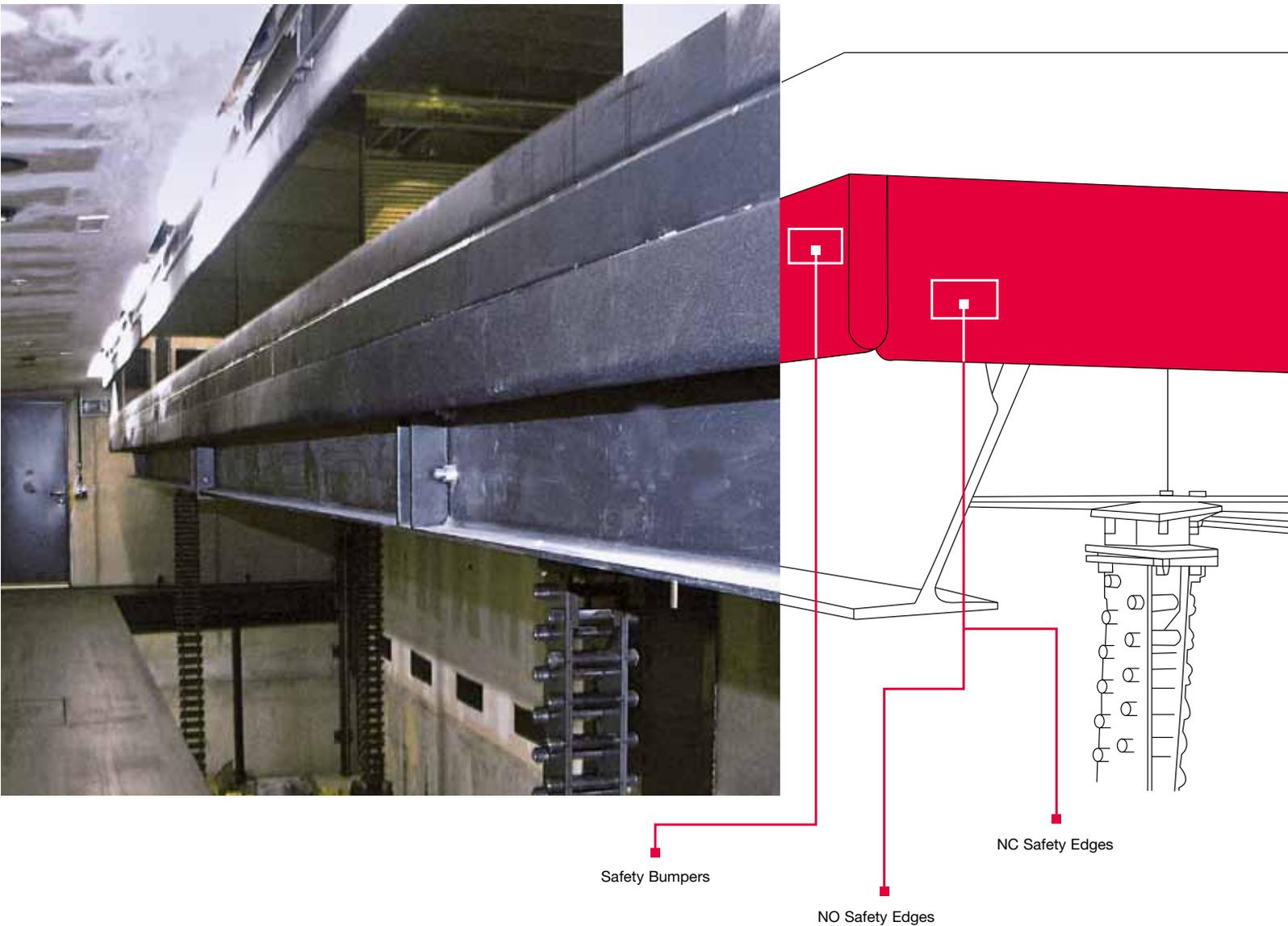
## We make automatic processes safe

For theatre and event stages, comprehensive safety regulations and statutory inspection regulations apply where safety behind the scenes is concerned.

Anti Pinch Sensors developed by Mayser prevent the dangers posed by shearing and pinching edges of auto-

matically controlled lifting platforms and turntables. If the tactile sensors – consisting of Safety Edges or Safety Bumpers – meet an obstacle when a stage element moves, a signal is transmitted to the corresponding control and the movement is stopped and reversed. This prevents serious injuries and material damage.

Large venues such as the Semperoper in Dresden or the Bolshoi Theatre in Moscow rely on safety technology from Mayser for protection against damage caused by automatically controlled lifting platforms and turntables.



# Stage technology products:



## Safety equipment

### Safety Bumpers

... are used in all areas of industrial and theatre technology due to their versatility, with different cross-sections and contours in combination with the largest possible range of overtravel distances to be protected. Depending on your requirements, you can choose the electrical model as a normally closed or normally opened contact and you also have the option of various, extremely resilient surfaces that are both resistant to chemicals and weatherproof.

## Performance characteristics:

- tested according to EN 1760-3 (ISO 13956-3)
- various coverings
- versatile geometries
- high temperature resistance
- individual colours (per RAL)
- maintenance-free



### Normally Open Safety Edges

... prevent dangers on pinching and shearing edges in stage machinery. The high-quality materials and various profile geometries of the Safety Edges guarantee their suitability for all stopping distances and environmental influences.

- tested according to EN 1760-2 (ISO 13856-2)
- versatile profile geometries
- maintenance-free



### Normally Closed Safety Edges

... feature safe, normally closed chains. When they are actuated, the closed-circuit current is interrupted and the movement immediately stopped. The positive break contact chain acts simultaneously as a sensor and an evaluation unit. Therefore, a special control unit is not necessary.

- tested according to EN 1760-2 (ISO 13856-2)
- sure to function break contact sensor
- double isolation rules out short circuit
- maintenance-free



### Control Units

... for all our sensors and for any safety category required.

- tested according to EN 13849-1
- adapted to the Mayser sensors
- for 2- and 4-wire-technology

## Reference projects:



Semperoper Dresden



Theater Ulm



MUMUTH Graz



Wiener Stadthalle

#### Safety Edges:

##### Mayser GmbH & Co. KG

Polymer Electric  
Örlinger Str. 1-3  
89073 Ulm  
GERMANY  
Tel.: +49 731 2061-0  
Fax: +49 731 2061-222  
E-Mail: [info.ulm@mayser.de](mailto:info.ulm@mayser.de)  
Internet: [www.mayser-sicherheitstechnik.de](http://www.mayser-sicherheitstechnik.de)

#### Safety Bumpers:

##### Mayser GmbH & Co. KG

Bismarckstr. 2  
88161 Lindenberg  
GERMANY  
Tel.: +49 8381 507-0  
Fax: +49 8381 507-146  
E-Mail: [bumper@mayser.de](mailto:bumper@mayser.de)

### Mayser Safety technology

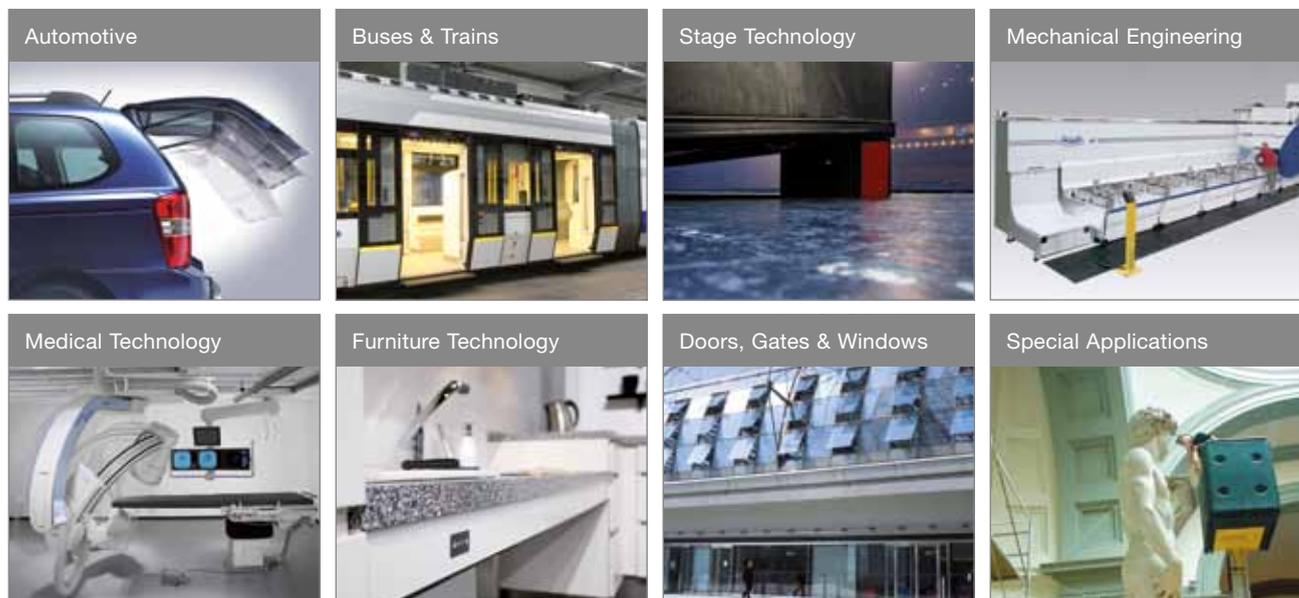
As one of four divisions of Mayser GmbH & Co. KG, an internationally successful group of companies with a tradition stretching back over more than 200 years, Mayser Safety Technology has developed into Europe's leading manufacturer of tactile sensors for safety technology. Mayser is a partner in many industries,

whose requirements for tailor-made safety concepts have increased with growing automation of many areas of life and work.

It all began with the development of a conductive foil in 1978. Today, sensors made by Mayser ensure safety wherever automated movements must be interrupted or

controlled to ensure the safety of man and machine. They are used to ensure safety on industrial production facilities, automatic doors, gates and windows, bus and train doors, in stage, furniture and medical technology as well as in electrically operated tailgates, sliding doors, vent windows and sun roofs in cars.

### Our versatile sensors are found in the following Industry Sectors:



Interested? Simply order our product information, or visit the Download area at [www.mayser-sicherheitstechnik.de](http://www.mayser-sicherheitstechnik.de)

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