

# Flexibility to meet tomorrow's requirements

## The Identbox makes it possible



High quality products with a multiplicity of product variants necessitate innovative approaches to production. Freudenberg Simirit Kufstein GesmbH & Co. KG in Austria is active throughout the world within a broad variety of industries and application ranges. Their product range extends from seals and moulded parts, through to custom engineered components for special applications.



The Parts...



The Identbox...



The System...

### The trend

Customer requirements increase in proportion to manufacturing innovations – a trend which continuously places great demands on manufacturers. The market calls for an ever increasing variety of components, as well as smaller manufacturing batches. This means that great flexibility must be achieved in the area of automation in order to remain competitive.

### The requirements

Solenoid fittings must be fed in a specified orientation to a palletising system for the production of moulded components. Frequent changeovers to different product variants necessitate exceptional set-up flexibility.

### In the past...

Tasks of this nature were carried out using specially designed light barriers. However, because these are highly susceptible to malfunctioning, and a great deal of time was required for adjusting them to the different product variants, Freudenberg wanted to examine new possibilities which would allow for greater flexibility and reliability, as well as more cost effective processes.

### Simple, inexpensive and efficient

With this motto in mind, Freudenberg implemented an optical recognition system – the Festo Identbox.

### The results speak for themselves:

#### Quick initial start-up

- The concept of the modular system allows for easy integration into an existing system
- Instant checking function
- Defined interfaces

#### Simple operation

- Teach-in function allows for the set-up of new parts in only seconds
- 6 different parts can be stored in the memory
- No programming is required

#### Accurate inspection results and exceptional system reliability

- Line scanning camera is insensitive to interfering light sources
- High characteristic resolution
- 100% quality inspection
- Incorrectly positioned parts are returned to the feed system and defective parts are ejected to the reject bin via compressed air

#### Flexible and efficient systems operation

- Quick changeovers at the touch of a button
- No maintenance required
- Integrated quality inspection increases system availability and reduces downtime
- Rapid amortization

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# The Festo Checkbox in practical application: Quick changeovers and reliable position recognition

**FESTO**



## Freudenberg Simrit Kufstein GesmbH & Co. KG, A-Kufstein Palletising magnet armatures with the Festo Identbox

### The Tasks

- Feeding of solenoid fittings to a palletising robot
- Flexible position recognition with weekly part changeovers within a component family
- Quality inspection for increased robot effectiveness

### The Solution

- Festo Identbox – standard unit:
- Feeding of solenoid fittings to the Identbox belt using a bowl feeder
  - Positionally accurate delivery of parts to the robot via a drop tube
  - Teach-in and selection of new types of solenoid fittings in a matter of seconds

### The Benefits

- Enhanced system reliability
- Modular concept
- Simple initial start-up
- No programming
- Quick changeovers
- Highly flexible
- Substantial cost savings and rapid system amortization