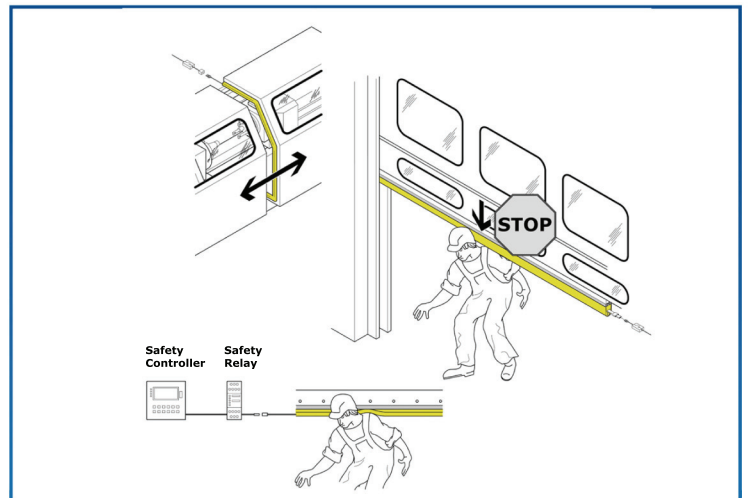
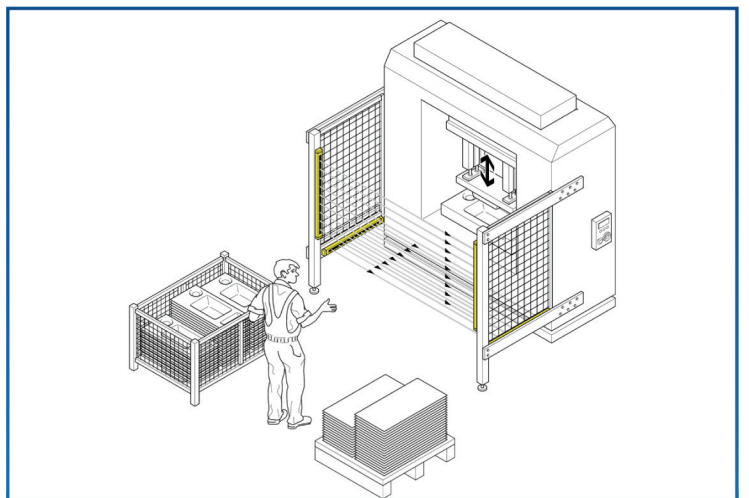


# The Problem

- Risk of persons being jammed in the machine guarding
- Electronic systems don't offer sufficient protection in case of energy loss
- Overrun of systems with electric contact bars



- Reduction of productivity through usage of light curtains
- Large distance between operator and machine (stop time)
- Unintentional process interruption through operator
- No protection against shatter, liquids or radiation



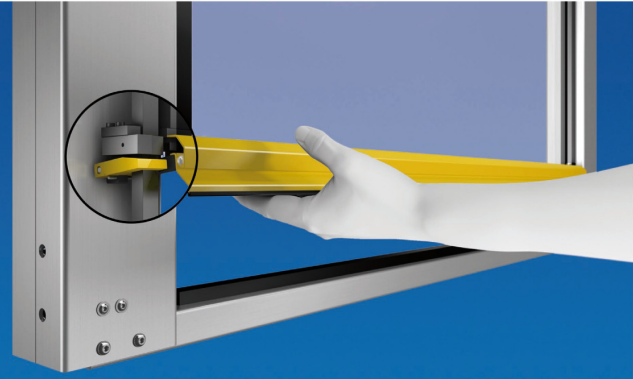


**STRASSER**  
Maschinenbau GmbH

Innovative MecLock safety doors  
with mechanical contact bar

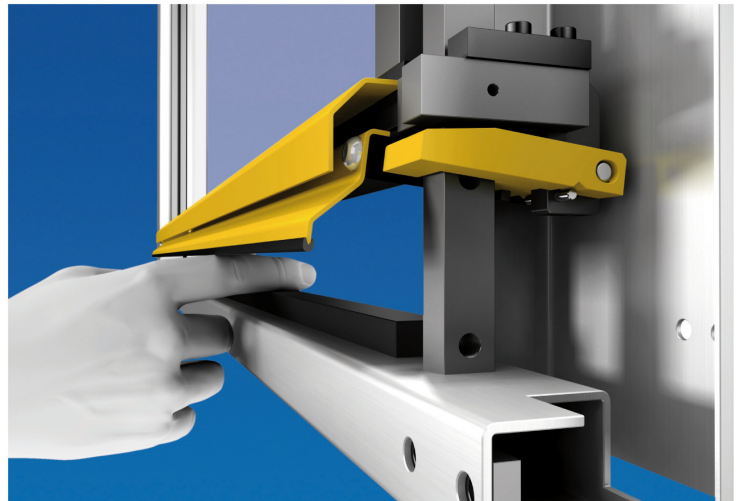
DELAY-FREE

00.00 Sec.



## The Innovation

- **Patented safety concept with mechanical contact bar**
- **Still works at total loss of energy**
- **Immediate, mechanical stop without overrun**



- **Maximum doors speed with highest personal safety**
- **Four times integrated self-locking safety mechanics**
- **Automatic decoupling of actuator at operator interference**



Meets Machinery Directive

productivity increase by up to 20 %

safety

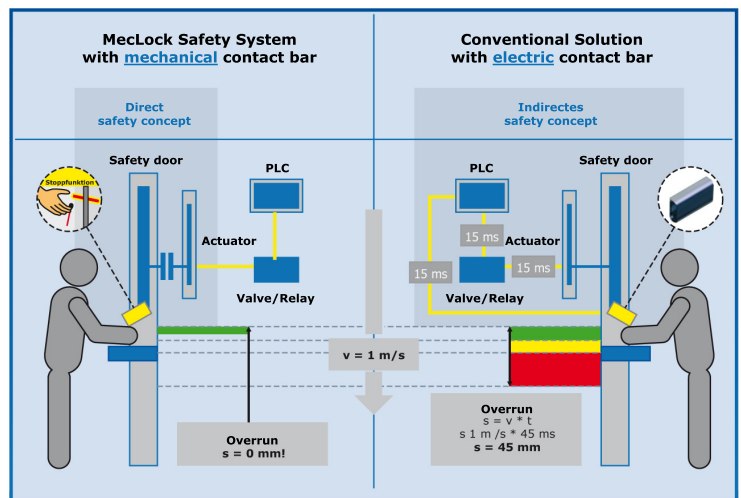
cycle time



# The Benefit

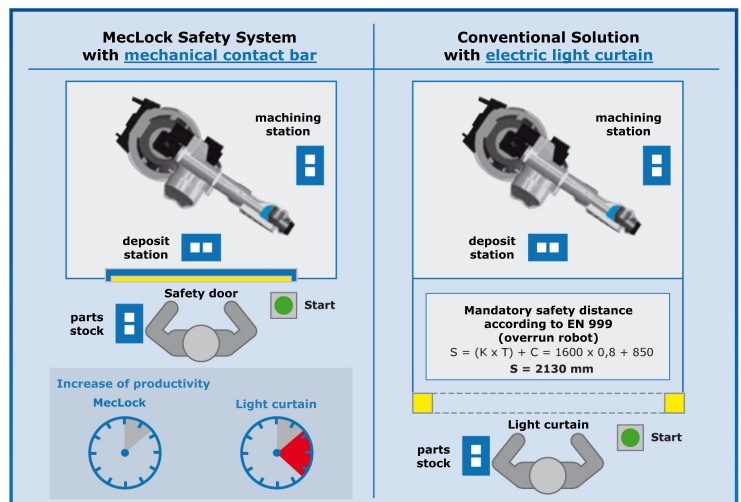
## Higher operator safety:

- **Immediate stop of door after operator interference without overrun**
- **No injuries of extremities at the closing edge**
- **Safety function still sustains even at fault of PLC**
- **Stop of door is still possible even at total loss of energy**



## Higher Productivity:

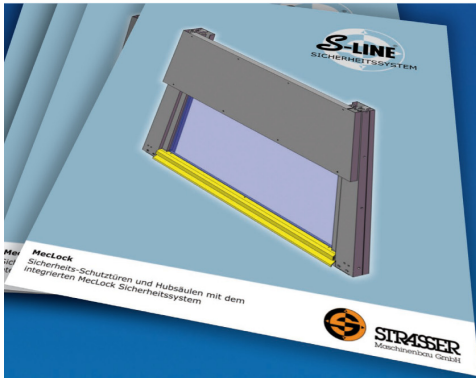
- **Maximum door speed possible, since there is no overrun distance**
- **Minimized waste time through faster opening and closing of door**
- **Reduced space requirement compared to light curtain solutions**
- **No unintended process interruption of machine possible**







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# The Applications

## MecLock - Safety Doors:

- Machine tool
- Robot stations
- Moulding presses
- Testing machines



## MecLock - Safety Lifting Pillars:

- Assembly stations
- Manual workstations
- Test fixtures

