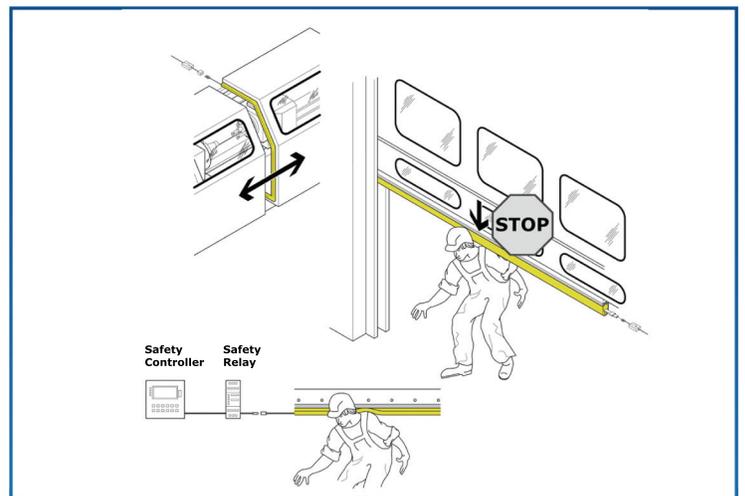
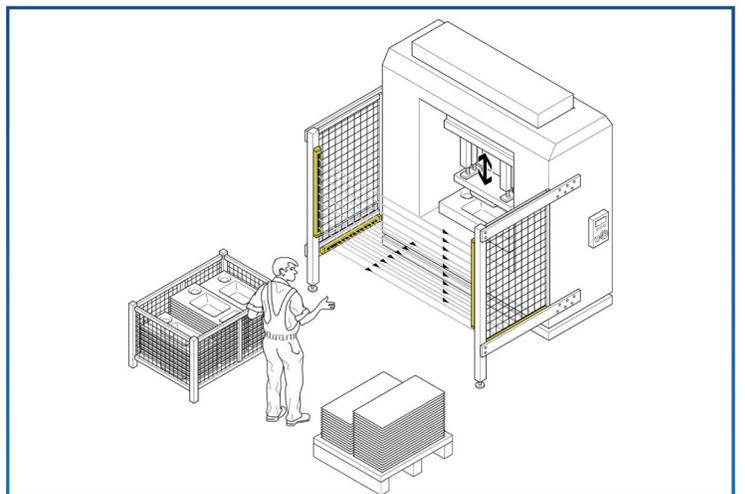


The Problem

- 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



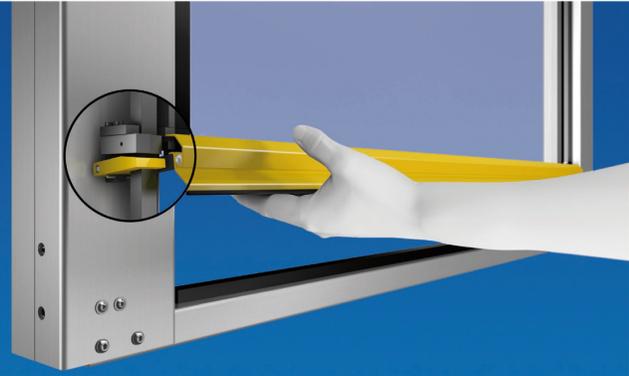
- Reduction of productivity through usage of light curtains
- Large distance between operator and machine (stop time)
- Unintentional process interruption through operator
- No protection against shatter, liquids or radiation



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

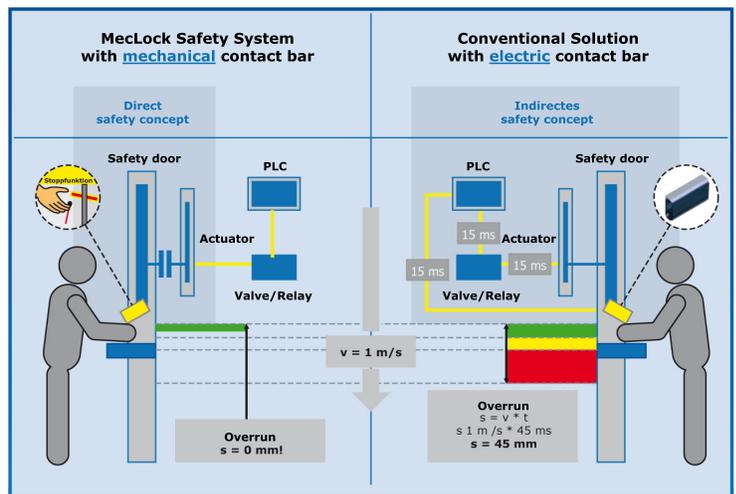
cycle time



The Benefit

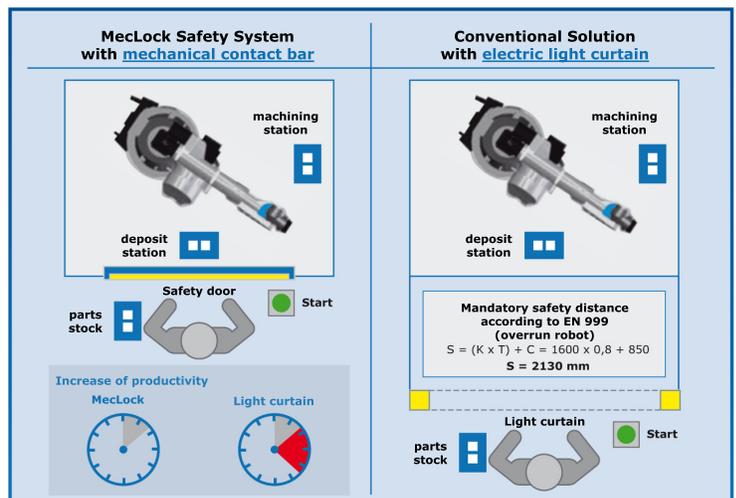
Higher operator safety:

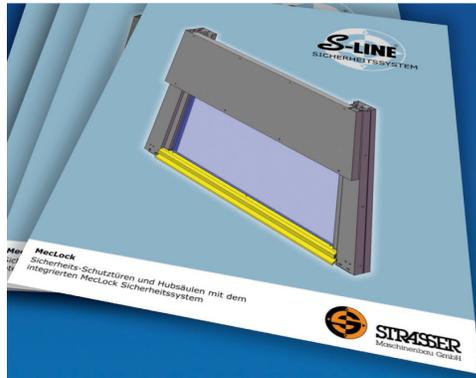
- Immediate stop of door after operator interference without overrun
- No injuries of extremities at the closing edge
- Safety function still sustains even at fault of PLC
- Stop of door is still possible even at total loss of energy



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





The Applications

MecLock - Safety Doors:

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



MecLock - Safety Lifting Pillars:

- Assembly stations
- Manual workstations
- Test fixtures

