

SUCCESS STORY

Safety mat for rotating machinery



AN ISO 9001:2015 Certified Company

Customer

Engineering Industry

Customer requirements

To safeguard personnel around machinery with hazardous movement

Orchid Solution :

Safety mat with side guard

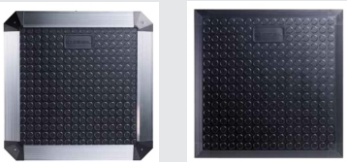
Customer Benefits

- Prevent accidents
- Reduce maintenance time
- Improved productivity

Product features

- Robust design and maintenance free
- High resistance to chemicals
- Simple mounting and slip free surface
- Modular switch mat system
- Special sizes are available on request
- No additional terminating resistor required
- No additional base plate
- 4-wire connecting cable


Products Look



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Application

Prevent the accident during the machine operation using safety mats

Challenge

This machines are rotating at three direction. Customer want to prevent human accident during the running machine. Also there are dusty & oily environment ,so optical safety sensors are not working properly

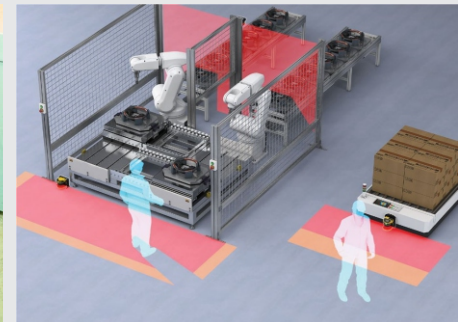
Solution

The safety mat consists of two current-carrying thin steel plates separated by insulating strips. Applying pressure to the mat surface creates an electrical cross-wire short between the steel plates. The connected safety controller evaluates this signal and stops the hazardous movement.

Some other applications

- Pipe bending machine
- Power-driven machine
- Power presses for the metal
- Plastics industry
- Folding or brake presses
- Filter presses
- Punching machines
- Robot cells
- Printing machines
- Injection moulding machine
- Materials handling and storage technology
- Palletizers
- Packaging equipment

Pictorial View of application



Subject to modifications without prior notice

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