GORTITE® VF AUTOMATED MACHINE SAFETY DOOR

High-Speed Vertical Fabric Roll-Up

Safely Automate Machine Access & Automation Work Flow
Keep Hazardous Operations Separate from People, Equipment, and Materials

Dynatect’s Gortite® VF Automated Machine Safety Door is intended for automation & safe machine access to minimize cycle time and maximize production time. The door is typically applied to automated production and machine processes that require preventive safety measures like robotic welding, processing, and transport tasks. The door separates machines with hazardous operations from other processes, material handling equipment, and people. The door can contain typical machine or process generated hazards including light debris, fluid splatter/mist, and weld smoke/sparks/flash. The door is installed in conjunction with existing machine guard panels on each side of the door to further enhance the separation of environments.
FEATUReS

Durability
• 44"/second standard speed
• Side columns of extruded aluminum profiles and structural 2" square steel tube
• Up to 2 complete cycles per minute, continuous operation
• Developed for more than 1 million cycles
• 1 year warranty

SAFETY
• Door retained in columns to minimize risk of people falling through closed door (conforms with OSHA guardrail requirements)
• Traveling photo-eye option (bottom edge sensing and reversing) available with any controls option
• Safety interlock option meets PLe/Cat-4 safety requirements when combined with appropriate logic and conformance to risk assessment

FLExIBILITY
• Fully field adjustable heights for end-travel sensors and optional interlock sensors
• Wide variety of options from "controls-by-integrator" to "turnkey"
• Standard motor can be mounted in multiple orientations to minimize overall door width

SAFETY SENSOR OPTIONS
(availably with any control system option)
• Sensor for detecting interference and supporting door-auto reverse function:
  • Traveling Photoeye (bottom edge monitoring)
  • Fixed Photo Eye(s) for sensing interference while door traveling closed
  • Fixed 40" Light Curtain
  • Door Hold-Down Switch
  • Latches door in closed-position, controlled by signal from machine
• Door Closed Safety Interlock Switch and Safety Relay
  • Helps meet PLe/Cat-4 safety requirements when combined with appropriate logic and conformance to risk assessment
  • Optional safety relay shipped loose or integrated into operator control unit
  • Safety circuit wiring required during installation

Note: The installer must ensure that the door, its controls, and any safety devices conform to applicable safety standards

KEY ADVANTAGES

FAST DELIVERY • Delivery in as little as 3 weeks.

EASY INSTALLATION • Modular system arrives with top roll header fully assembled. Unit requires no cutting/drilling/tapping or welding for assembly. Default design not dependent on machine or walls for support. Reduce footprint by eliminating feet and bolting door directly to infrastructure.

SIMPLICITY • All sensor cables terminated on door frame to a passive block with industry standard quick disconnects. Mounted on the motor-side leg column for accessibility and convenience.

ACCESSIBILITY • Removable aluminum side column covers provide access for installation, travel adjustment, preventive maintenance, and adding accessories such as interlocks.

ADAPTABLE • Multiple T-slots in side columns and header allow for structure and accessory mounting. Side columns feature T-slots on side and back. Custom bracketry and wall-mount adaptation available.

APPEARANCE • Attractive appearance enhances your modern facility. All aluminum and steel external surfaces are powder coated (base plate, columns, covers, and top roll header).

RELIABILITY • Door mechanism moves on maintenance-free ball-bearing based guidance system for smooth, low-wear operation. Non-contact sensors eliminate the need for mechanical cam-switches.

WINDOW OPTION
Need to see through to the other side? One or more clear windows can be optionally specified. Standard window size is 18 by 18 inches. For welding applications, red or bronze OSHA compliant UV windows are available.
Dynatect Manufacturing, formerly known as A&A Manufacturing, has over 70 years of experience in dynamic equipment protection manufacturing. Headquartered in New Berlin, Wisconsin, Dynatect designs and manufactures a complete line of components to protect equipment and people. Dynatect products include protective covers, cable and hose carriers, elastomer components, mechanical motion control. With tens of thousands of worldwide clients, and a library of more than 500,000 customized products, Dynatect has the broadest product offering to solve applications.

Why Choose Dynatect As Your Preferred Partner?

- 70 years of experience in custom engineering
- 25 years of experience producing custom industrial door solutions
- Certified ISO 9001:2008 conformance facilities
- Manufactured and supported in the USA
- Single source for a broad range of complementary products
- Vertically integrated for consistent supply and quality
- Value-added design and fabrication
- Fast delivery of customized products
- Over 30 full-time engineers on staff
- 4,400 sq. ft. test area including computer controlled test stations supporting multi-axis testing
- Industry leader in support with over 60 technical field sales representatives

GLOBAL HEADQUARTERS

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