

# High Performance Doors in Action

*August 2023*



# High Performance Doors

## DESCRIPTION

A power-operated door

100 cycles, or more,  
per day

20 inches per second  
opening speed, or more

Non-residential  
applications

Usually rolling, folding,  
or sliding style

Typically for custom  
applications,  
made-to-order

Designed for high  
durability

Typically designed to  
break away undamaged  
when impacted

Door can be set to  
automatically close after  
a set time once the door  
has reached the fully  
open position.

# High Performance Doors (HPDs)

## ADDITIONAL FEATURES



**DURABILITY:**  
Designed to operate at a minimum of 100,000 cycles when they are properly selected, installed, operated & maintained.



**THERMAL TRANSMITTANCE/AIR FILTRATION:** It shall be in accordance with the test methods specified in ANSI/DASMA 105.



**OPERATORS:**  
Where applicable, the door or grille, and operator, shall comply with sections of UL 325 and UL 508A.



**WIND RESISTANCE:**  
Structural tests shall be in accordance with ANSI/DASMA 108 and resistance to wind-borne debris shall meet the requirements of ANSI/DASMA 115.

# High Speed Doors

## DESCRIPTION

A type of high performance door

Minimum opening rate of 32 inches per second

Minimum closing rate of 24 inches per second

After fully opening, door automatically re-closes after a time consistent with safety and production requirements.

# Where and When are High Performance Doors Used?

- Standard commercial doors don't last
- Rugged, dirty, dusty, corrosive environments
- Frequent access is required
- Reliable and safe automatic activation is required
- Multiple safety sensors are required
- Standard door maintenance costs are too high
- The environment has high pressure differential

# Key Market Segments



## Industrial and Mining

- Heavy-Duty
- Extreme Environments



## Logistics and Transportation

- Rugged Durability
- High-Cycle Traffic



## Parking and Automotive

- Aesthetic Design
- High-Cycle Traffic



## Food Processing and Distribution

- USDA/FDA-Compliant
- Highly Durable



## Pharma and Clean-Room

- Hygienic Applications
- Wipedown/Washdown

# Industrial and Mining

- **Applications**

- Heavy Industry, Pulp and Paper, Agriculture, Mining, Oil and Gas

- **Features and benefits of HPDs that uniquely suit these environments**

- Extremely durable, withstand harsh environments maintaining reliable operation
- Flexible curtains/panels, withstand large pressure differentials
  - 20 psf, 88 mph (958 Pa, 141 km/h)
- Extra-large size doors, accommodate large equipment access
- Easy to repair and reset, reduce downtime costs and maintain productivity after a vehicle impact







**High Performance Rubber Doors:  
Mining**





## High Performance Rubber Doors: Energy Applications



# Logistics and Transportation

- **Applications**

- Public Transit, Railroad, Airports, Waste Transfer, Vehicle Wash Bays, Military

- **Features and benefits of HPDs that uniquely suit these environments**

- High speed minimizes wait time and energy loss
- High cycle design provides reliable operation and long life in high-traffic applications
- Easy to repair and reset, reduce downtime costs and maintain productivity
- Tight seals contain odors in waste handling facilities, rendering plants, etc.
- Extremely durable, withstand harsh environments maintaining reliable operation e.g. – corrosion resistance in wash bays



## High Performance Rubber Doors: Shipping & Distribution





## High Performance Doors: Logistics



# Parking and Automotive

- **Applications**

- Condominiums, Office Towers, Airports, Public Parking, Retail Automotive

- **Features and benefits of HPDs that uniquely suit these environments**

- High-cycle design provides reliable operation and long life even in very high-traffic openings
- High door speed and auto timer-to-close increase security with less chance of intrusion
- Break-away design and quick reset reduce downtime, maintenance costs and security costs
- Quiet operation important for condos and office towers
- Wide range of access control and safety options to suit varying applications



## High Performance Full Vision Doors: Retail Automotive





## High Performance Full Vision Doors: Retail Automotive, Corporate Office



## High Performance Doors: Parking Applications







## High Performance Grilles & Ventilated Doors: Parking Applications



# Food Processing and Distribution

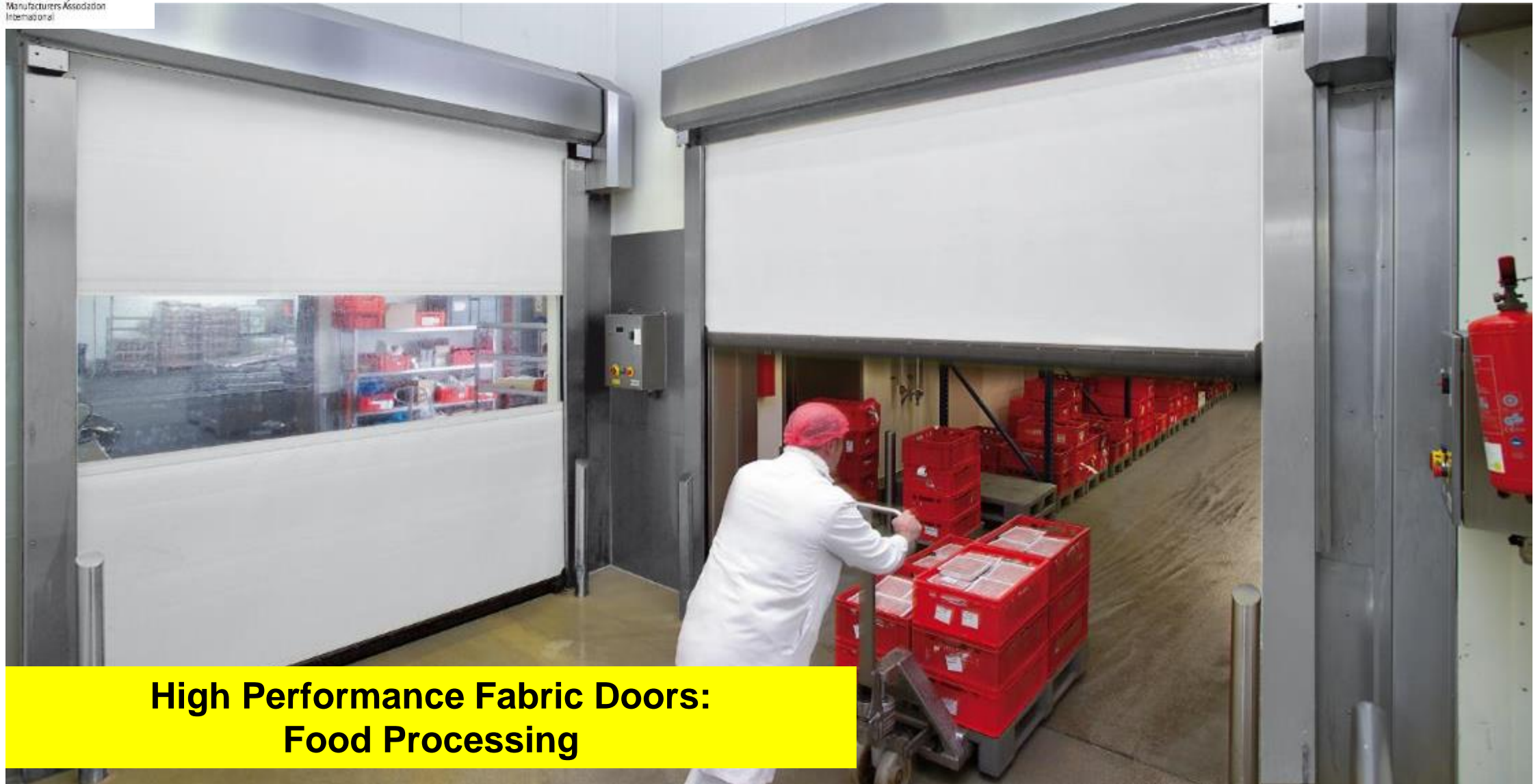
- **Applications**

- Food Processing, Food Storage & Distribution, Blast Freezers, Freezers, Cool Rooms

- **Features and benefits of HPDs that uniquely suit these environments**

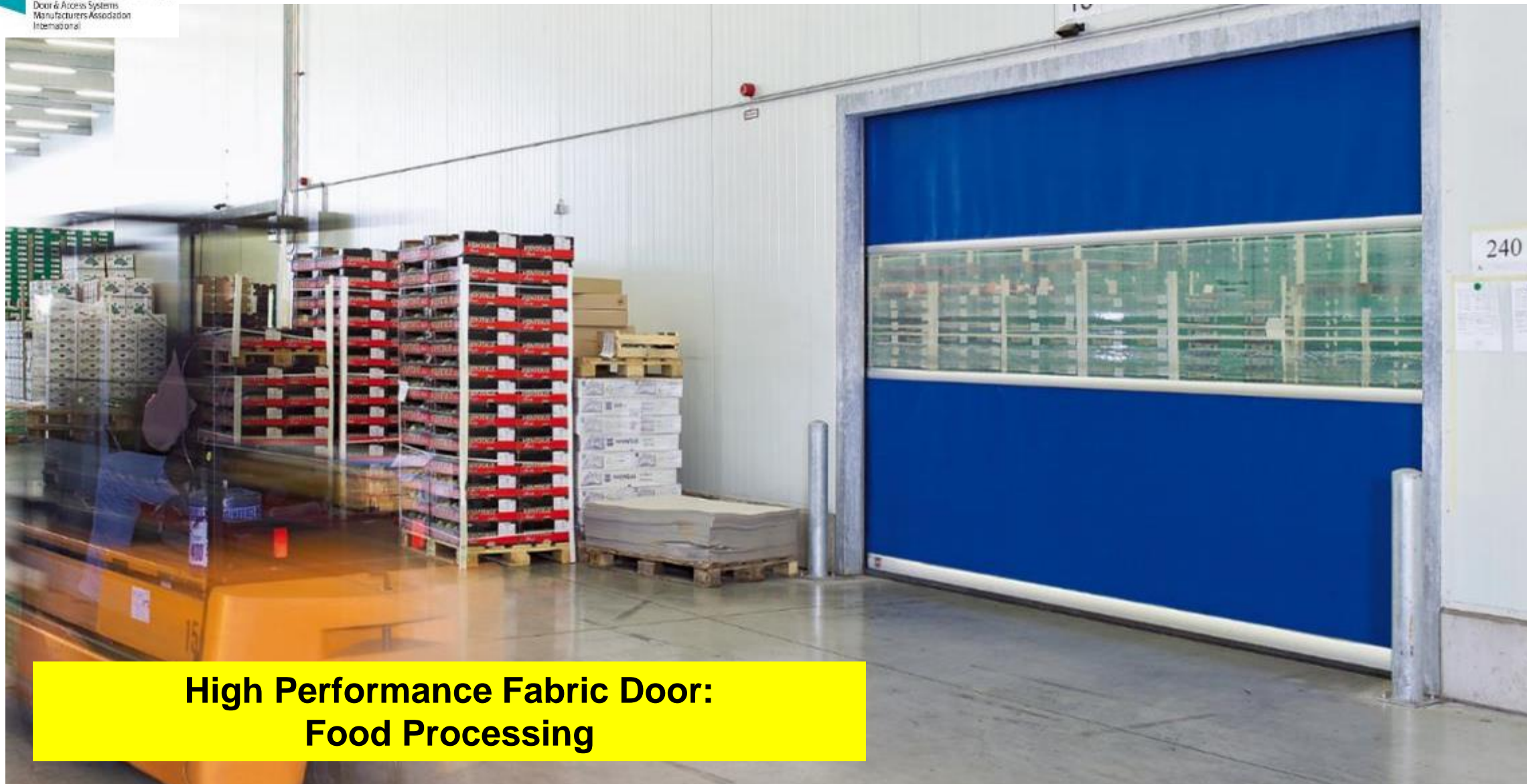
- USDA- and FDA-compliant curtain materials and door designs ensure cleanliness
- Insulated curtains reduce energy loss while door is closed
- High-cycle design provides reliability and long life for high-traffic openings
- High door speed and auto timer-to-close decrease energy loss while door is open and increase productivity
- Break-away design and quick reset reduce downtime and maintenance costs and potential food spoilage





**High Performance Fabric Doors:  
Food Processing**





**High Performance Fabric Door:  
Food Processing**



## High Performance Fabric Door: Cooler/Freezer



## High Performance Bi-Parting Door: Cooler/Freezer



# Pharma and Clean-Room

- **Applications**

- Pharmaceutical, Food Processing, Indoor Agricultural Operations, Environmental Control, Wash-down

- **Features and benefits of HPDs that uniquely suit these environments**

- FDA-compliant curtain/panel materials and door designs ensure cleanliness
- Tight seals prevent cross-contamination
- High door speed decreases air exchange while door is open and improves productivity
- High-cycle designs provide reliability and long life for high-traffic openings
- Stainless steel construction and watertight designs withstand repeated routine cleanings





**High Performance Fabric Door:  
Clean Room (Wash-Down)**



**High Performance Fabric Doors:  
Pharmaceutical**



**High Performance Fabric Doors:  
Environmental Control**



# High Performance Doors in Action

- **Characteristics/Features for Commercial Operations**
- **Multiple Types for Multiple Applications**
- **Feature Customized Materials, Sizes, Components**
- **Designed for Heavy Usage and Lasting Durability**
- **Consult a Professional for Proper Application**







Any questions or comments?

Contact us at [dasma.com](https://dasma.com)  
Thank You!