

# Machine protection doors for automated warehouse and material handling

**ASSA ABLOY**  
Entrance Systems

Maximize warehouse efficiency while increasing worker safety

Experience a safer  
and more open world





# State-of-the-art physical safety

Effective and safe production processes are vital to any successful industrial operation – even more so if those production processes are high-risk.

Employee safety should always be the top priority, particularly in demanding conditions across manufacturing and distribution facilities servicing various industries like food and beverages, personal care, home care, and more.

Automated warehouse and material handling facilities require advanced technology and equipment that safeguard your machinery and employees from preventable injuries while optimizing floor space and allowing for increased warehouse efficiency.

There are many options available to safeguard your business such as light curtains, but machine protection doors are proven to be safer and more efficient choice for automated machinery.

## Machine protection doors provide:

- Increased operator safety
- Protection from flying hazards
- Reduced risk of operator falls
- Optimized use of space
- Easy integration into control systems of automated machinery
- Easy integration to conveyer systems
- Easy access for inspections

## Main application areas:

- Automated warehouse
- End of line automation
- Automated pallet stations
- Pallet elevator
- Wrapping machines
- Palletizing systems



# Fast speeds – better protection

Machine protection doors, like the **ASSA ABLOY RP300 and RP2000** series, are innovative solutions for:

- Increased safety
- Optimized floor space
- Reduced downtime at automated warehouses and material handling facilities

**These are setting high industry standards with their smart design for improved automation and safety. They also meet the demands of automated warehouses and material handling facilities by maximizing efficiency and better protecting workers thanks to their rugged and innovative design.**



## **ASSA ABLOY RP300**

Flexible curtain opening speed up to 2.4 m/s, closing up to 1.75 m/s



## **ASSA ABLOY RP300 USD**

Upside down flexible curtain opening speed up to 2.2 m/s, closing up to 1.5 m/s



## **ASSA ABLOY RP2000**

Rigid curtain opening speed up to 2.0 m/s, closing up to 1.2 m/s

## What you get

All models of **ASSA ABLOY RP300 and RP2000** series equipped with various safety features including the **safety limit switch PL e/Cat 4**.

**Control unit can be equipped with of the following communication systems:**

Interfacecard, Profinet, Profibus, PROFI-safe and EtherNet/IP.

Specific power supply and voltage can be decided in production phase from 380V to 480V, 50/60Hz.

## The doors comply with these standards

- EN ISO 14120:2015 - Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards
- EN ISO 14119:2015 - Safety of machinery - Interlocking devices associated with guards - Principles for design and selection
- EN ISO 13849-1:2011 - Safety of machinery - Safety-related parts of control systems





# Protect workers from preventable injuries

The **ASSA ABLOY RP300 and RP2000** series protect operators near automated machinery or along production lines from unexpected falls or flying hazards.

The **ASSA ABLOY RP300 and RP2000** series are classified as anti-fall prevention devices that meet these standards:

- **EN ISO 14120:2015** - Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards
- **EN ISO 14119:2015** - Safety of machinery - Interlocking devices associated with guards - Principles for design and selection

# Increase warehouse efficiency

Optimize floor space and reduce maintenance interruptions.

The **ASSA ABLOY RP300 and RP2000** series are compact solutions for production setup with fast speed and short cycle times to increase product flow and process productivity. With their minimal number of parts, maintenance is simple and requires less downtime for an efficient warehouse.

## Reduce maintenance interruptions

The **ASSA ABLOY RP300 and RP2000** series reduce interruptions to production during maintenance or intervention thanks to their smart design features. These doors can segregate a section of the line that is up for maintenance by temporarily diverting the flow of goods to another conveyor, while at the same time, protecting the operator from injury when working close to the line.

## Optimize floor space

The **ASSA ABLOY RP300 and RP2000** series increase warehouse efficiency because of their compact design that optimizes space and reduces labor and cycle times. Unlike alternative solutions, our doors can be placed close to the staging area for better ergonomics while still protecting workers from dangerous machinery or areas.



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**ASSA ABLOY**  
Entrance Systems

ASSA ABLOY Entrance Systems provides solutions for efficient and safe flow of goods and people. Our offering includes a wide range of automated pedestrian, industrial and residential doors, loading dock equipment, perimeter fencing and service.

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