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RAPID DOOR

**ZipGO** *CONVEYOR*

Industrial high speed door

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# What is it?

The ZipGO Conveyor rapid door is a flexible door designed to divide all those processing spaces operating by means of automated machines. It often divides automated areas and islands acting as a barrier to man in the moments of operation of the machines.

Speed › Man-machine 2.2 m/s

Protection › Man-machine

Overview ↗



# What is the point?

## Definition of machine

A unit which is equipped or intended to be equipped with a drive system, other than direct human or animal force, consisting of parts or components, at least one of which is movable, and which are firmly connected together for a well-defined application.

In practice what falls

- Machines in general
- Interchangeable equipment
- Safety components
- Lifting accessories
- Chains, ropes and straps
- Mechanical transmission equipment

Therefore, the Conveyor industrial rapid door is also considered a full-fledged machine.

# Always fast

Roll-up door for industrial environments where both safety and very high production performance requirements must be met.

ZipGO Conveyor is a rapid door made of PVC that can meet the logistical needs of different types of industrial lines and the directives imposed by law on man-machine safety.



Features

**Complies with the  
machinery directive  
Secure  
Programmable  
Shockproof**

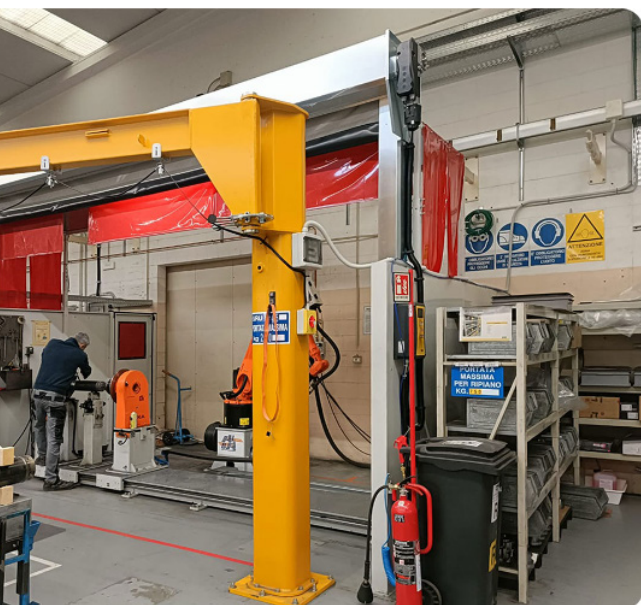
Used mainly to

**Man-machine  
installations  
Automotive lines**

Recommended  
for

**Automated warehouses  
Engineering**

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# So, who's it meant for?

ZipGO Conveyor is a door designed to safely optimize many of the logistics operations of the industries that involve the alternation of men and automated machines on industrial lines.

The ZipGO Conveyor rapid door is the self-repairing door that is ideally suited for a variety of industrial separation requirements, both for necessity and for legal obligation.



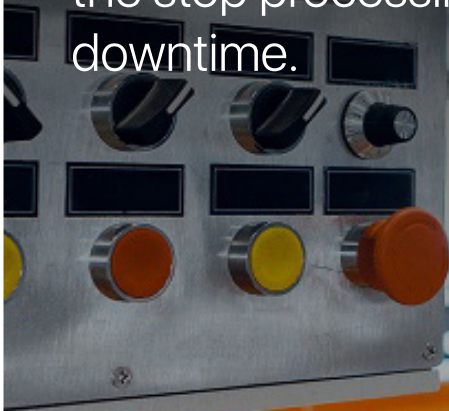
What the legislation says

**Manufacturers and stakeholders affected by the Machinery Directive, in the event of non-compliance with Legislative Decree 81/2008, are subject to administrative and financial penalties.**

**So...** We operate in order to always stay in line with all the articles dictated by the machinery regulations in order not to run into or have the company sanctioned for negligence. In addition, thanks to a special program called G Service of GLG we are able to keep the door under control by constantly informing corporate managers about any updates in terms of law.

# Unmatched safety

Thanks to special safety sensors installed over the entire length of the vertical uprights, The ZipGO Conveyor rapid door is able to develop a high degree of safety against the operation of man during the stop processing and the machine downtime.







## ZipGO can be inspected

Basically, each ZipGO Conveyor is equipped with a micro security that can be inspected on the ground, which offers a second closed door signal in addition to that of the control panel.



Programmable frequency

# Combined programming

By means of a special SOMMER control unit we are able to guarantee maximum efficiency and safety combined with variable opening and closing cycles of the door, in combination with other electronic control units of other machines.



EN ISO14120 STANDARD

## **Resistant to moving masses**

Conforming to ENISO14120, the ZipGO Conveyor door is able to withstand the impact of a moving mass of 100kg running at a speed of 6km/h. The impact energy unleashed will be 115 joules.

Barriers, grilles and safety nets

## **Custom design**

Our technical department is able to develop tailor-made solutions that preserve the intrinsic safety of automated environments, always considering not only the object brings rapid but having a view of more global and related to the surrounding environment.

## STRUCTURE

Sizing	Width 6000 mm x Height 5000 mm
Beam and uprights	Not self-supporting galvanized steel with micro security of the mast can be inspected on the ground
Motor cover	Standard Galvanized steel On request Powder coated steel Stainless steel 441/316

## COVERING

Double-sided PVC ripstop fabric	Standard PVC covering 950 gr/m <sup>2</sup> or anti-extinguishing PVC Class 2 On request Translucent 35/40%, FDA white, antistatic
Windowy	Porthole
Type of window	Transparent crystal
Window colour	Transparent

## SPEED

Opening › up to 2,2 m/s	Closing › 0,5 m/s
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## MECHANICAL AND ELECTRONIC

Control panel	Standard IP54 painted steel frame (300 x 500 x 150 mm) On request Stainless steel, PVC frame (300 x 400 x 150 mm)
Components and features	50/60 Hz inverter with absolute encoder Start/ Stop button 2 clean contacts (door open/closed/alarm) Interconnection 2 doors automatic/ manual Motor and switchgear protection category IP54
Main supply	Standard Power supply 3 CV, 400V max 10A On request Power supply 1 CV, 230V max 16A Power supply 3 CV, 230V max 16A

Wirings	Plug and Play IP65 system
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## TEST

Standard UNI EN 13241/CE		
Watertight	Ref.s EN 12425, 12489/CE	Class 2
Wind pressure	Ref.s EN 12424, EN 12444	Class 2
Air tightness	Ref.s EN 12426, EN 12427	Class 1
Transmittance	Ref. EN12428	6,02 W/m2K
Performance	Ref.s EN 12604, EN 12605	1.000.000 of cycles
Machinery Directive	Ref.s 2006/42/CE, 2014/30/UE (EMC)	Compliant
Safety of control circuits PL D	Ref.s EN 13849-1, IEC 62061	Compliant

The above values may vary based on the door sizing.  
Operating temperature › -30 C° not suitable for positive/negative temperatures [...]

## [...] SAFETY

### Components

Standard  
Multi-beam barrier H 2500 IP67

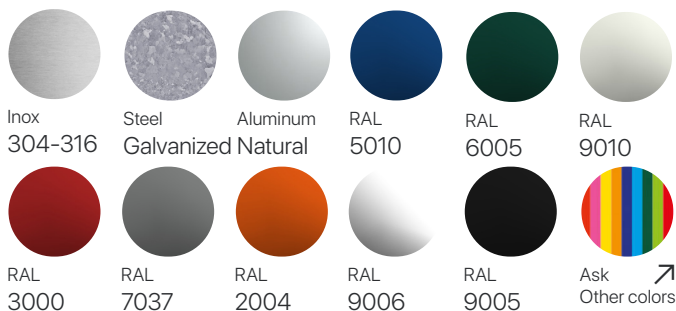
On request  
IP65 Wireless Security Resistive Coat

### Emergency opening

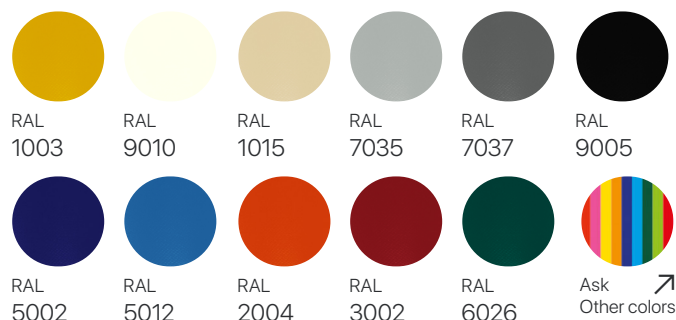
Standard  
Crank release

On request  
Chain release, counterweight, UPS battery

## Types and colors structure (RAL)



## Colors PVC fabric (RAL)



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