



INDUSTRIAL DOORS

FOOD INDUSTRIES
APPLICATIONS

The several installations in Food Industry have consolidated COIL as a reference supplier for high speed doors systems, both in processing areas and in technical areas.

FOOD INDUSTRY

Frozen food processing requires high levels of environmental sanitation, which can be achieved by using materials and equipment complying with specific business certification.

Inside the food processing and stocking areas goods handling and people activity are regulated in order to keep the hygienic level constant.

COIL complies with this requirement by offering a wide selection of doors featuring compact design, high operating speeds and a large selection of curtains capable of standing low temperatures.

All doors built in compliance with Law EN 13241/1.
Over 116.000 produced doors in Italy and abroad





SOLUTIONS

- Manual or automatic flexible swing doors
- Manual or automatic rigid food grade polyethylene swing doors
- Rigid polyethylene automatic sliding doors
- "Anti-crash, self repairing" high speed rollup doors for backrooms and goods handling
- Fast rollup doors with FDA/BGA certificates for use in food processing areas
- Fast rollup doors with insulated curtains for installations in controlled temperatures and environments
- Fast rollup doors for installations in Sub-Zero temperature rooms
- Fast rollup Doors for CLEAN ROOM application

FAST ROLL UP
DOORS



Model

REKORD

"Anti-Crash, Self-Repairing" Fast rollup Doors for backroom applications. High speed rollup doors version "anti-crash & self repairing". Speed and Safety are the two guidelines which backed the development of these doors: door should not create any hindrance in high traffic doorways; transit, mainly pedestrian, can also involve untrained personnel.

This feature occurs when the lower part of, or the entire "anti-crash" curtain, exit the side tracks due to an incidental crash, sliding back into the tracks automatically, without any operator's assistance.

Model

FDA/BGA STAR

High speed rollup doors type FDA. This is an automatic fast rollup door with a fully transparent curtain, or, with a semi-rigid curtain with windows, complying with BGA and FDA specifications (European Community and U.S. Food & Drug Administration) for use in food processing plants.

- Flexible curtain certified for contact with food and in room temperatures from -30° C. to +70°C. (-22° F to +158° F.)
- Drive motor and controls are inside the fully paneled door frame
- IP 65 protection Pushbutton panel installed close to door
- For emergency situations, this door can be used as a Panic Egress



FAST
ROLL UP
DOORS



- Resistant to negative temperatures
- Compact structure
- Suitable not only in technical areas but also in production and processing environments

Model

STAR ARTIC

Star Artic is a fast roll-up door designed and developed for those environment where food and other deep frozen products are processing. It keeps a constant negative temperature in freezing systems or cold stores, with minimal loss of heat thanks to the high closing and opening speed.

To maintain the negative temperatures constant in deep freezing plants is the principal objective of STAR ARTIC.

Using standard deepfreeze cell doors has a drawback of the time by which the door remains open. This time, multiplied by the doorway dimensions, causes a thermal exchange with outside environment and the related need for over sizing the cooling plant.

The flexible clear transparent curtain installed on the Super Polar door can stand temperatures down to -60°C . (-76°F). This maximum curtain flexibility does away with the need for heating the side guide tracks and the bottom seal rail which is normally required to prevent cold sealing which is typical for this application.

The heating elements cause condensation which, in a freezing room, turns to ice. The only door component to be heated is the motor brake assembly and this is inside the boxed door frame and has no contact with the outdoor.





Model

PAT/PAL

High speed rollup doors series PAT (widths up to 4 meters) and series PAL (widths up to 6 meters) are the best solutions for goods handling in controlled environments.

Their 4 mm thick insulated curtain allows for considerable savings of thermal loss when the door is closed.

Highly recommended for fruit, vegetable and fish product stock rooms

**FAST
ROLL UP
DOORS**



Model

AGRO PHARMA

AgroPharma is a new concept in the High Speed Rollup Door trade as it breaches the traditional door configuration. The usual basic design "steel frame - drive motor - flexible curtain- safety photocells-control box" has been revamped by COIL. A new solution was developed for best isolation of processing departments and/or storage rooms with individual controlled environments.

The possibility to use an "automatic / rollup" door is undoubtedly a benefit for both the plant designer of a technical department as well as for the users.

The AgroPharma design is to "automate operators' traffic and "isolate" rooms with different environments, with no separating barriers.

These room environments usually require doors with special features, such as:

- Frequent wash down capability (this is mandatory in the food industry)
- Positive air tight feature. In the chemicals-pharmaceuticals and food industries the processing rooms are rated "white areas", thus their environments are overpressurized to prevent outside pollution from entering. More the door is air tight, less the energy costs will be to keep the room over-pressurized
- Operating reliability. Due to the special environment where these doors will operate, this door should work without special maintenance downtime.

FAST
ROLL UP
DOORS



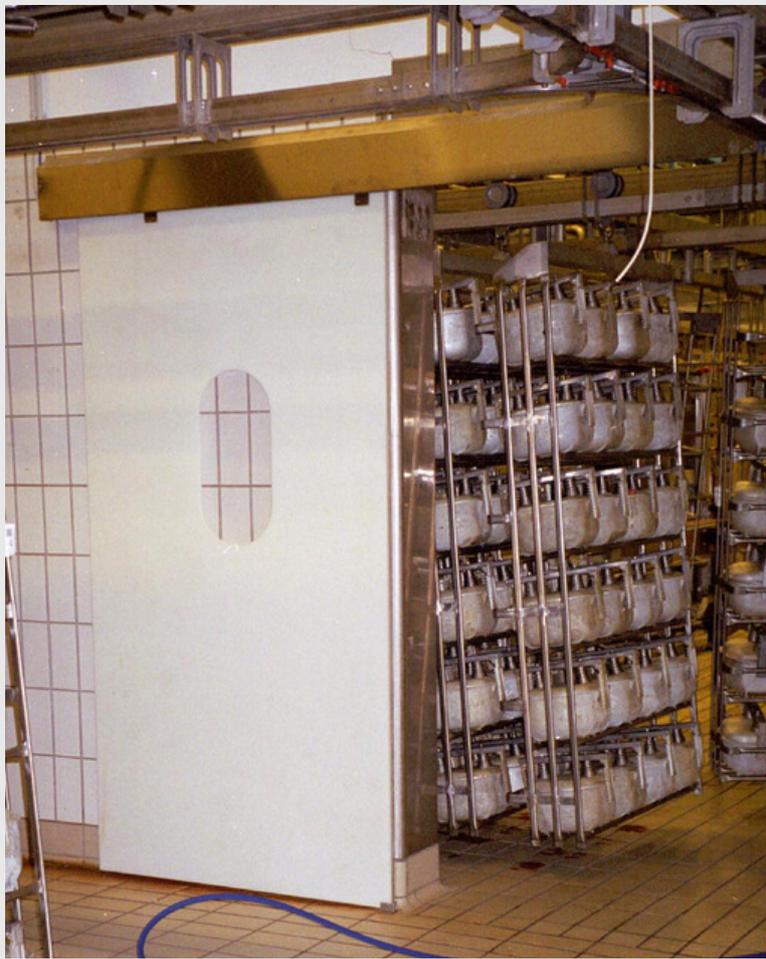
Model

WINDOR FDA

WINDOR FDA is the first swing door with rigid panels which can open in both travel directions and with provision for an electro-pneumatic automatic door operation. Panels are made of food grade polyethylene with clear window snap insert.

- Frame made of AISI 304 Stainless Steel
- No snags which may hinder door wash down
- Suitable for panic egress escape
- Single or bi-directional electropneumatic or totally pneumatic systems.
- Solutions for overhead cranes for heights to 4.5 meters

DOUBLE ACTION DOOR
IN POLYETHYLENE



Model

FDA RAIDOOR

WINDOR FDA RAIDOOR can be built with one or two sliding panels using an electro-pneumatic or an ex-proof pneumatic system. This version allows a technical door also in areas with limited room which is insufficient for the door swing panel radius.

It is possible to combine one panel swings and the other panel slides with fully synchro control on the two panels.

DOUBLE ACTION DOOR
IN POLYETHYLENE

Model **WINDOR**

- Framework made of AISI 304 Stainless Steel or galvanised steel painted RAL
- Transparent flexible PVC panel or opaque with clear windows
- Fully automatic operating option
- Suitable for panic egress escape

The need to clo traffic can be solved with these doors, particularly if the doorway may be used as a panic escape egress.

The swing door is certainly the most field tested, reliable industrial door. Its operation is simple and the high components quality and COIL manufacturing technique are a pledge for many years' of maintenance-free operation. During the door opening, a torsion spring accumulates the torque and gives it back for door closing.

In order to make through traffic even easier, a series of automation systems for automatic opening of WINDOR with flexible or rigid panels.

- Push-type bi-directional pneumatic system for automatic door opening in both travel directions.
- Remote-controlled electro-pneumatic automatic, single- or bi-directional door opening system.
- Solutions for overhead crane running on overhead rails



DOUBLE
ACTION DOOR

A range of products that covers all possible needs
in any field of work

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