

A photograph showing a long row of green industrial doors in a warehouse. The doors are numbered 1, 2, 3, 4, 5, and 6 from left to right. The ceiling is made of curved wooden panels. The lighting is bright, and the perspective is from the end of the row, looking down the length of the warehouse.

## INDUSTRIAL DOORS and WAREHOUSES

### WASTE RECYCLING APPLICATIONS

The several installations in the waste recycling sector have consolidated COIL as a reference supplier for high speed doors systems, both in processing areas and in technical areas.

# SOLUTIONS

Vehicle and people traffic inside solid waste working plants is subject to special safety regulations. These include separation of various rooms in large buildings having wide entries in prefab walls where doors must be installed .

vertical rollup doors have been successfully installed in many applications, including large entries with widths up to 20 meters, a height of 8 meters, meeting a high wind force pressure and no transit problems.

A sophisticated control for door opening and closing allows its interface with the plant PLC logic.

The plant workers safety is ensured not only by specific safety devices but also by a continuous monitoring of the doors operation by an electronic program.

All doors built in compliance with  
Law EN 13241/1.



# HIGH SPEED FOLD-UP DOOR

Model

## PIC 50/75

PIC 50/75 fast vertical folding doors suitable for every need for automatic entry closing, including large doorways.

Opening/closing speeds up to 1 meter per second, process electronic interfacing with external PLC logic.



Special Automatic horizontal and vertical opening with a unique fold-up door system

# HIGH SPEED FOLD-UP DOOR



## Model **PIC SP**

PIC SP a vertical folding door designed for large doorways, over 18 meters, and for high wind load resistance (wind speed 120 Km/h). This is a solution for overhead cranes that must exit the building.



# SOME INSTALLATIONS

## San Vittore del Lazio, Colleferro and Terni Installation

Installation of PIC 50 doors in the waste entrance way. Subject to heavy traffic, these doors operation is monitored by a PLC logic which caters a program for automatic opening upon a truck approach and auto closing when it leaves.

Wind load resistance for winds up to 100 Km/h.

In a combined application, a PIC SP door closure including an outdoor exit for the overhead crane. The entry dimensions are width 18 meters and height 4.5 meters. Wind resistance up to 120 Km/h. del vento 120Km/h.



## Parona (Pavia) installation

Installation of PIC50 doors to waste entries subject to heavy traffic.

Automatic door opening and closing by means of a closed magnetic loops when the trucks trade on them



## Montichiari - Brescia waste dumping station

Example of a PIC 75 installation. Net door height passage 8000mm.. Automatic opening and closing by means of a closed loop metal detector when the truck approaches and when it leaves.



## Waste processing installation at Bassano del Grappa (Vicenza)

PIC 50 doors on waste receiving entries



## Gas power production - Italy

Example of PIC 50 aisle door installations in the waste receiving department. In order to prevent foul odor leaking from the dump pits, the trucks must open a second row of PIC doors before unloading their load into the pits.

The dump pit is provided with an interlock logic. The pit cannot open if the external door is still open or moving.



## AMA Roma installation - Rocca Cengia and Via Salaria

Example of PIC 50 installations in waste unloading tank. Heavy traffic. Automatic opening & closing upon truck approach or leaving by means of a closed loop metal detector. Installed in an eco-sustainable building.



## Waste processing GI.PI - Italcave - Italy

Waste Management Plant - Bari (Italy)  
Construction of automatic closures and coverings with a unique doors system, with vertical and horizontal opening



## GES.PO - Italy

Hazardous and no-hazardous waste collection plant. Construction of special automatic horizontal closures to cover the collection tanks



## MECOMER Italy

Example of PIC 50 installations in inside waste unloading tank. Automatic opening & closing upon truck approach with PIC 50 fold up doors.



**Mecomer**

Special waste storage installation using the folding door system COIL model PIC 50.

Realization of two side doors of mt. 4,5 x H. 7,6 and central door from mt. 13,5 x h. mt. 7,6



HIGH SPEED  
FOLD-UP DOOR



## Hera Ambiente

- Composting plant with centralized management
- Insulation of discharge areas to contain fumes and vapors
- Big dimension tipping Truck accessibility
- Realization of 6 doors model PIC 50 with heights of mt.15
- Connection via PLC to the centralized management system



HIGH SPEED  
FOLD-UP DOOR

Lomellina Energia plant in Parona (Pavia)  
Eco Pol plant (Brescia)  
Bas Power plant (Bergamo)  
REA plant of Molteno (Lecco)  
A2a plant in Pero (Milan)  
MECOMER plant (San Giuliano Milanese)  
GES.PO  
GIPI Italcave  
PULIECO  
S.E.A.M. plant (Misinto MB)  
Etra plant of Bassano del Grappa (Vicenza)  
Ladurner plant of Fusina (Venice)  
HERA plant of Cesena  
S.Vittore del Lazio, Colleferro and Terni plants  
Municipality of Rome : Rocca Cengia and via Salaria plants  
Giugliano, Caivano, (Naples) plants  
S.Maria Capuavetere plant (Caserta)  
Pianodardine plant (Avellino)  
Crotone and Potenza plants  
Lamezia Terme plant  
Cagliari Casic plant

**A range of industrial doors  
for industry and trade:**

Large Scale Retail  
Food industry  
Low Temperature  
ATEX environments  
Chemical and pharmaceutical  
Waste treatment plants  
Railway Industry  
Hospital

**CONTACTS**

+39 02 356.51.57  
[www.coil.it](http://www.coil.it)  
[info@coil.it](mailto:info@coil.it)

Graflex S.r.l.  
Via Risorgimento, 54 –  
20017 RHO (Milan)  
ITALY

**COIL** 