INTERLOCKING SECURITY PORTALS | COMETA SPA
SECURITY PORTALS
with interlocking door system
SECURITY PORTALS (interlocking door system)
Classic Portals, square base
Co132 | Co135

Main features
• Monoblock (High Security Level)
• Self-managed High Security Portal with weighing cell system:
  - Single passage checking system (Anti-hostage system)
  - Abandoned object detection (weight higher than 200 grams)
• Possibility of embedding in floor up to 65mm
• Doors and side walls: Bulletproof laminated glass 26/27mm BR3/S EN1063 and anti-burglary P6B EN356
• Corner construction is available only for Co135 model
• Paint finish: embossed, according to RAL color scale, or Stainless Steel covering
• Traffic Light Panels & Multilingual synth-voice for transit communications
• Portal Console with digital display and menu-guided commands
• Co135C Armored versions: with armored steel door

Optionals
• Emergency exit management
• Camera
• Card reader
• IR sensor for people presence monitoring
• Biometric registration system: Biobank
• Anti masking System: Face Detection
• CEIA Metal Detector

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Dimensions W x D x H (mm)</th>
<th>Width of Passage (mm)</th>
<th>Floor Thickness (mm)</th>
<th>Weight (Kg)</th>
<th>Certified Glasses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co132.60</td>
<td>995 x 995 x 2400</td>
<td>600</td>
<td>65</td>
<td>800</td>
<td>Bulletproof BR3/S EN1063</td>
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<tr>
<td>Co135.60</td>
<td>1050 x 1050 x 2400</td>
<td>600</td>
<td>65</td>
<td>800</td>
<td>Anti-burglary P6B EN356</td>
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<tr>
<td>Co135.R60</td>
<td>1050 x 1050 x 2340</td>
<td>600</td>
<td>30</td>
<td>800</td>
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<tr>
<td>Co135.C</td>
<td>1050 x 1050 x 2400</td>
<td>600</td>
<td>65</td>
<td>900</td>
<td></td>
</tr>
</tbody>
</table>

*These models can be made of stainless steel.
SECURITY PORTALS (interlocking door system)

Cylinder Portals, round base
Co136 | Co137 | Co138

Main features
• 40/10 steel pressure bent sheet
• Co136 and Co137 monoblock, Co138 removable structure
• Self-managed Security Portal with weighing floor system (abandoned object detection, weight higher than 200 grams)
• Single passage checking system (anti-hostage system)
• Doors and side walls:
  - Laminated glass 20/21 mm EN1063-BR2/S (Co138) EN356-P6B
  - Laminated glass 23/24 mm EN1063-BR2/S (Co137) EN356-P6B
  - Laminated glass 26/27 mm EN1063-BR3/S (Co136) EN356-P6B
• Paint finish: embossed, according to RAL color scale, is possible also the Stainless Steel covering
• Traffic Light Panels & Multilingual synth-voice for transit communications
• Portal Console with digital display and menu-guided commands

Optionals
• Emergency exit management
• Camera
• Card reader
• IR sensor for people presence monitoring
• Biometric registration system: Biobank
• Anti masking System: Face Detection
• CEIA metal detectors:
  - Metal detector CEIA 02PN8HIPE/CF
  - Metal detector CEIA 02PN8HIPE

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Dimensions</th>
<th>Width of Passage (mm)</th>
<th>Floor Thickness (mm)</th>
<th>Weight (Kg)</th>
<th>Structure</th>
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<tbody>
<tr>
<td>Co136.60</td>
<td>1050 x 2400</td>
<td>600</td>
<td>65</td>
<td>800</td>
<td>Monoblock</td>
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<tr>
<td>Co137.60</td>
<td>1050 x 2350</td>
<td>600</td>
<td>20</td>
<td>900</td>
<td>Monoblock</td>
</tr>
<tr>
<td>Co137.70</td>
<td>1150 x 2350</td>
<td>700</td>
<td>20</td>
<td>900</td>
<td>Monoblock</td>
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<tr>
<td>Co138.S90</td>
<td>1500 x 2400</td>
<td>900</td>
<td>25</td>
<td>1300</td>
<td>Removable</td>
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</tbody>
</table>

*These models can be made of stainless steel

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SECURITY PORTALS (interlocking door system)

Panorama Portal, ellipse base

Co139

Main features

• Monoblock: 40/10 Steel pressure bent sheet
• Self-managed Security Portal with weighing floor system (abandoned object detection, weight higher than 200 grams)
• Single passage checking system (anti-hostage system)
• Doors and side walls: Laminated glass 20/21mm EN1063-BR2/S - EN356-P6B
• Paint finish: embossed, according to RAL color scale
• Traffic Light Panels & Multilingual synth-voice for transit communications
• Portal Console with digital display and menu-guided commands

Optionals

• Emergency exit management
• Camera
• Card reader
• IR sensor for people presence monitoring.
• Biometric registration system: BIOBANK
• Anti masking System: FACE DETECTION
• CEIA Metal Detector: 02PN8HIPE large
• Secondary door for service access

Model | Overall Dimensions W x D x H (mm) | Width of Passage (mm) | Width of Passage (mm) | Floor Thickness (mm) | Weight (Kg)
--- | --- | --- | --- | --- | ---
Co139 | 1500 x 1900 x 2400 | 900 (A) | 550 (B) | 25 | 1500
SECURITY PORTALS (interlocking door system)

Half moon Portal Co140

Main features
- Monoblock: 30/10 Steel pressure bent sheet
- Suitable for disabled person transit
- Weighing floor system, for:
  - Presence person detection
  - More than one person detection (anti-hostage)
  - Abandoned object detection (weight higher than 200 grams)
- Doors and side walls: Laminated glass 18/19mm bulletproof BR1/S EN1063 - anti-burglary P5B EN356
- Paint finish: embossed, according to RAL color scale, is possible also the Stainless Steel covering
- Internal Emergency button with alarm functions
- Traffic Light Panels & Multilingual synth-voice for transit communications
- Portal Console with digital display and menu-guided commands

Optional
- Emergency exit management
- Camera
- Card reader
- IR sensor for people presence monitoring.
- Biometric registration system: BIOBANK
- Anti masking System: FACE DETECTION
- CEIA metal detector
  - Metal detector CEIA 02PN8HIPE/CF Large
  - Metal detector CEIA 02PN8HIPE
  - Metal detector CEIA 02PN7

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<tr>
<th>Model</th>
<th>Overall Dimensions W x D x H (mm)</th>
<th>Width of Passage (mm)</th>
<th>Width of Passage (mm)</th>
<th>Floor Thickness (mm)</th>
<th>Weight (Kg)</th>
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<tbody>
<tr>
<td>Co140</td>
<td>1920 x 1250 x 2400</td>
<td>900 (A)</td>
<td>960 (B)</td>
<td>25</td>
<td>1100</td>
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</table>
SECURITY PORTALS (interlocking door system)

Crystal Portal, glass-body
Co143

Main features
- Removable structure (installed on the existing floor)
- Glass structure
- Glasses: laminated, bulletproof BR1/S EN1063
  Side glasses: anti-burglary 18/19mm P5B EN356
  Door glasses: anti-burglary 12/13mm P4B EN356
- Paint finish: according to RAL color scale
- Single passage checking system (anti-hostage system)
- Infrared sensors for person detection
- Infrared sensors for door opening request
- Internal Emergency button with alarm functions
- Traffic Light Panels & Multilingual synth-voice for transit communications
- Portal Console with digital display and menu-guided commands

Optionals
- Emergency exit management
- Camera
- Card’s reader
- IR sensor for people presence monitoring
- Biometric registration system: BIOBANK
- Anti masking System: FACE DETECTION

Model | Dimensions (mm) | Width of Passage (mm) | Weight (Kg) | Glasses
--- | --- | --- | --- | ---
Co143 | Ø1156 x H2400 | 660 | 450 | Bulletproof BR1/S EN1063
Side glasses: Anti-burglary 18/19mm P5B EN356
Door glasses: Anti-burglary 12/13mm P4B EN356
SECURITY PORTALS (interlocking door system)

Manual doors Portal
Coi122.70 / Coi122.90

Main features

• Monoblock: 40/10 Steel pressure bent sheet
• Internal door and side walls: Laminated glass 23/24mm bulletproof BR2/S EN1063 - anti-burglary P6B EN536
• Paint finish: embossed, according to RAL color scale
• Possibility of embedding in floor up to 35mm
• Traffic Light Panels & Multilingual synth-voice for transit communications
• High Security Locks with Anti-burglary Top Grade (level 7) certification according to EN12209
• Internal Emergency button with alarm functions
• Traffic Light Panels & Multilingual synth-voice for transit communications
• Portal Console with digital display and menu-guided commands

Optionals

• Emergency exit management
• Card reader
• Camera
• Biometric registration system: BIOBANK
• Anti masking System: FACE DETECTION
• CEIA metal detectors:
  - Metal detector CEIA 02PN8HIPE/CF
  - Metal detector CEIA 02PN8HIPE
  - Metal detector CEIA 02PN7

Certifications

<table>
<thead>
<tr>
<th>anti-burglary protection</th>
<th>Bullet proof protection</th>
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<tbody>
<tr>
<td>Glass - External door</td>
<td>P6B UNI EN356</td>
</tr>
<tr>
<td>Glass - Internal door and lateral sides</td>
<td>P6B UNI EN356</td>
</tr>
<tr>
<td>Locks</td>
<td>Class 7 UNI EN12209</td>
</tr>
<tr>
<td>Cylinder</td>
<td>Class 6 UNI EN1303</td>
</tr>
</tbody>
</table>

Anti-burglary Grade 7 Locks certified according to EN12209

Electronic Lock single action, closed when not powered. Supplied with temporary unlocking control with an excludible key (or handle). Professional Lock with self-locking bolt system (patented).
FUNCTIONS AND OPERATION
INTERLOCKING SECURITY PORTALS

Mode of Operation
The doors are always locked shut when are in the rest position. An authorized signal let the booth opens the first door, allowing the user to step into the booth (where a presence is detected by checking weight increase on the floor, side panels and doors). The first door closes and the second door opens, thus allowing the user to pass through. When the unit is vacated, the system closes the second door automatically, resetting the cycle.

Prevention fo Multi Person Entry
Electronic weight sensing determines if more than one person is present within the booth. The booth is set with a predetermined, but adjustable anti hostage threshold (upper and lower limit).
As an authorized user stands in the booth, it confirms acceptance of the occupant and authorises the door to close. Should the measured weight not be authorized, i.e. more than one person present or over weight non-permitted additional baggage, a vocal synthesiser will ask the occupants to leave the booth.
Once the occupants have vacated the booth, the door will close and the system will automatically reset.
Standard upper and lower weight limit range from 1 to 140 Kg. For heavy requirements a maximum setting of 160Kg is also available.

Passage Confirmation
Depending on the access control functions (installed in the cabin), the system will open the second (exit) door when an a valid passage is confirmed. Otherwise, when the user’s passage is rejected, the system will lock the second (exit) door and will open again the first (entrance) door, just to let the user get out.
SECURITY AIRLOCK SYSTEM
WITH CERTIFIED METAL DETECTOR HIPE CF

Security Airlock System
CoMETA production includes security airlock system designed to integrate the Metal Detector CEIA HIPE CF, which allows a high discrimination between metal personal objects and firearms. This feature drastically reduces the “improper” alarms, limiting the operator’s intervention and making the passages more fluid.

The graph compares two systems installed in the same context, where a sample of 100 people passed through in each of the two systems.

Main features
• Digitally adjustable sensitivity with a wide range of values
• International Standards: Direct selection of the International Security Standards
• Very high discrimination
• Very high immunity to electromagnetic and mechanical interference
• All functions programmable and controlled by a microprocessor
• Programming: via built-in keypad and RDU or RS232/RS485 serial connection to PC or computer network
• Programming access protected by both a mechanical lock and by two software level passwords.
• Automatic synchronization between two or more metal detectors, at a distance of up to 5 cm, from each other, without using cables
• Professional high integration and high reliability electronics
• Electronic control unit separated from the archway
• No need for initial or periodic calibration
• Easy maintenance. The electronic control unit can be replaced in less than one minute
• Color: light gray RAL 7040

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Particularly suitable for stylish sites, CoMETA Co146.NA Security Revolving Doors Series is a smart solution for entrances of: congress centers, airports, industries, companies, museums, hotels, datacenters and shopping centers. Co146.NA Revolving Doors are also perfect as access control system with the integration of badge readers and biometric devices (fingerprint acquisition).

Co146.N: main features

- No base (directly installed on the floor)
- Single passage checking system on each turnstile sector: Tailgating and Piggybacking detection system
- Internal glass: BR1/S 13/14mm (optional BR3/S)
- External glass: BR2/S 20/21mm (optional BR4/S)
- Portal Console with digital display and menu-guided commands
- Intercom, voice messages and traffic-lights
- Easy-link to third party manufactured access control systems (RS232 - RS485 - IBIS interfaces)
- Proxy and swipe-card and biometric readers easily added
- Automatic unlock system in case of emergency
- Mechanical Lock for additional locking during night-times
- Armored defender for key cylinder protection, anti-drill (optional)
- Rain cover: honeycomb PVC cover cap panel, UV resistant
- Reinforced upper cover: steel panel for cap protection (optional)

Co146.NB

Model with reinforced steel structure, a special version mounted with FB4 grade bulletproof resistance steel according to UNI EN 1522.
**REVOLVING DOORS**

Co147.D (with Metal Detector)  
Co147.S (with Metal Detector)

CoMETA Co147.D & .S Security Revolving Doors are a multi-sectors revolving-type entrance control systems with built-in Metal Detector for patrolled areas. Additional sliding doors at the protected area dramatically improved passage flow maintaining a high security level (with 3 or 4 wings turnstiles, custom models available). Special versions: Co147.DB and Co147.SB with reinforced steel structure, mounted with FB4 grade bulletproof resistance steel according to UNI EN 1522.

Co147.D: main features
- 2-leaves door on protected side
- No base (directly installed on the floor)
- **Single person passage checking system** on each turnstile sector: Tailigating and Piggybacking detection system
- Built-in Metal Detector (also available without Metal Detector)
- Internal glass: BR1/1 13/14mm (optional BR3/S)
- External glass: BR2/2 20/21mm (optional BR4/S)
- Portal Console with digital display and menu-guided commands
- Intercom, voice messages and traffic-lights
- Easy-link to third party manufactured access control systems (RS232 - RS485 - IBIS interfaces)
- Proxy and swipe-card and biometric readers easily added
- Automatic unlock system in case of emergency
- Double sliding door (automatic closing system if metal detector alarmed or two persons try to get in the same sector)
- Mechanical Lock for additional locking during night-times
- Armored defender for key cylinder protection, anti-drill (optional)
- Rain cover: honeycomb PVC cover cap panel, UV resistant
- Reinforced upper cover: steel panel for cap protection (optional)

Co147.S: main features
- 1-leaf door on protected side

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Dimensions Ø x H (mm)</th>
<th>Passage Width L x H (mm)</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co147.180.D</td>
<td>1800mm x 2375mm</td>
<td>750mm x 2090mm</td>
<td>3 or 4 wings turnstile with 2 sliding doors on protected side</td>
</tr>
<tr>
<td>Co147.180.S</td>
<td>1800mm x 2375mm</td>
<td>750mm x 2090mm</td>
<td>3 or 4 wings turnstile with 1 sliding door on highside</td>
</tr>
</tbody>
</table>

Tailgating detection system  
Piggybacking detection system
REAL APPLICATIONS: ITALY
INTERLOCKING SECURITY PORTALS
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INTERLOCKING SECURITY PORTALS
REAL APPLICATIONS: OVERSEAS
INTERLOCKING SECURITY PORTALS
OUR PRODUCTS

SECURITY LOCKS
SECURITY PORTALS with interlocking doors
EMERGENCY EXITS & ARMORED DOORS
INTERLOCKING SYSTEMS
SECURITY SYSTEMS
BIOMETRIC SYSTEMS (Fingerprint & Face Detection)

SECURITY REVOLVING DOORS
SPECIAL SECURITY PORTALS
SWINGING-SLIDING SECURITY PORTALS
TRANSPARENT SECURITY SHUTTERS
SECURITY DRAWERS & STORAGE CABINETS
ELECTROMAGNETS & ACCESSORIES