



Security Portals

INTERLOCKING SECURITY CABINS

Cabins with interlocking doors for
management and access control

[Co132, Co135, Co135C]

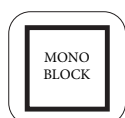
[Co136, Co137, Co138]

[Co140, Co146, Co147]



CLASSIC CABIN (SQUARE BASE) SELF-MANAGING ROTATING DOORS

Portals with interlocked door system and load cell weighing. High degree of security. Possibility of customisation and integration with access control.



BEARING
STRUCTURE



SINGLE PASSAGE
CHECKING SYSTEM



TOTAL
SELF-MANAGEMENT



METAL
DETECTOR



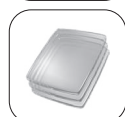
INTERLOCKING DOOR
SYSTEM



FACE DETECTION
(anti-masking System)



FINGERPRINT
ACQUISITION
(optional)

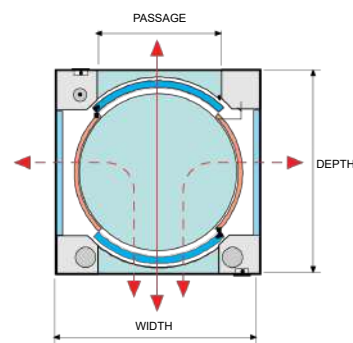


BULLETPROOF
ANTI-BURGLARY

Certified Glass:
Burglarproof BR3/S UNI EN1063
Anti-burglary P6B UNI EN356



Co135.60 with ramp



Energy saving
Thermal insulation: the internal
air does not come into direct
contact with the outside air.

Co135.R60 (lowered)

Models available Co132 e Co135:

Model	Dimensions (mm)	Passage (mm)	Thickness floor (mm)	Weight (Kg)	Certification of Glasses
Co132.60	L 995 x P 995 x H 2400	600	65	800	Bulletproof BR3/S EN1063 Anti-burglary P6B EN356
Co135.60	L 1050 x P 1050 x H 2400	600	65	800	
Co135.R60	L 1050 x P 1050 x H 2340	600	30	800	
Co135.C	L 1050 x P 1050 x H 2400	600	65	900	

Models can be made in stainless steel



MAIN FEATURES

- Load-bearing structure (single block): 40/10 press-bent sheet steel
- Interlocked door system: high security access management, the second door opens automatically only if: the first door has closed (with person inside the cabin) and only after passing the pre-set control phase.
- Total self-management: the system controls the transit of the individual person and automatically manages each event. It locks the exit door in case of: simultaneous transit of more than one person, presence of objects left/hidden on the floor, walls, doors, ceiling/ceiling.
- Load cell weighing system: presence of person, uniqueness of passage (anti-hostage function), control of object left (weight over 200 grams)
- Floor installation: possibility up to 65 mm
- Corner construction: only possible on Co135 models (90° right or left corner)
- Co135 doors and side walls: 26/27mm BR3/S EN1063 and P6B EN356 laminated bullet-proof glass
 - Co135.C0: armoured door with porthole and side walls in 26/27mm laminated bulletproof glass
 - Co135.C1: armoured door + bullet-proof glass DX wall and "blind" SN wall
 - Co135.C2: armoured door + bullet-proof glass SN wall and "blind" DX wall
 - Co135.C3: armoured door + both side walls "blind".
- Redundant accident prevention system: torque control integrated in the movement, pneumatic ribs with open circuit air flow detector
- Paint finish: embossed, any colour on the RAL scale or alternatively stainless steel coating



Co132



Co135.C0



Co135.C3

ACCESSORIES SUPPLIED

- Console for controlling compass functions
- IR sensor for detecting the presence of a person
- Emergency button and internal intercom
- Ceiling lamp with voice synthesis
- Traffic light and voice guidance signals for transit in both directions
- Door motors: 24Vdc
- Reversible door gear motors
- Encoder system: door position control, door speed control
- Backup battery: 2x 12V, up to 8 hours of autonomy
- Insulation transformer 230/24 Vac insulation class 2

OPTIONAL

- Emergency exit management
- Camera
- Badge reader
- Metal detector:
 - CEIA 02PN8HIPE/CF
 - CEIA 02PN8HIPE
 - CEIA 02PN7
- BioBank system, biometric registration
- Face Detection System, facial analysis with anti-masking

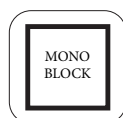
CE CERTIFICATION

- Machinery directive
- Electromagnetic compatibility
- Low voltage safety

Co136
Co137
Co138

CYLINDER CABIN (round base) SELF-MANAGED ROTATING DOORS

Series of interlocked door system bushings, cell and floor weighing.
High security level. Possibility of customisation and integration with access control.



BEARING STRUCTURE Co136/
Co137
DEMOUNTABLE Co138



SINGLE PASSAGE
CHECKING SYSTEM



TOTAL
SELF-MANAGEMENT



METAL
DETECTOR



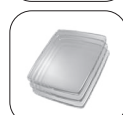
INTERLOCKING DOOR
SYSTEM



FACE DETECTION
(anti-masking System)



FINGERPRINT
ACQUISITION
(optional)



BULLETPROOF
ANTI-BURGLARY



Energy saving
Thermal insulation: the internal
air does not come into direct
contact with the outside air.



Co137.70



Co138.S90 Cylindrical
(with removable structure)

Co136 certified glasses:
Bulletproof BR3/S UNI EN1063
Anti-burglary P6B UNI EN356

Co137, Co138 certified glasses:
Bulletproof BR2/S UNI EN1063
Anti-burglary P6B UNI EN356



Suitable for
disabled access

Versions Co136, Co137, Co138:

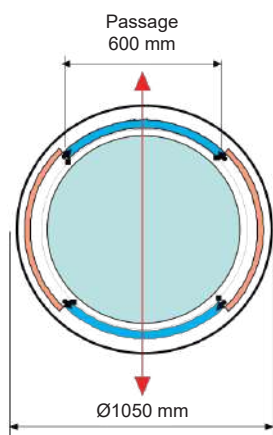
Model	Dimensions (mm)	Passage (mm)	Thickness floor (mm)	Weight (Kg)	Certification of Glasses	Struttura in acciaio 40/10
Co136.60	Ø1050 x H 2400	600	60	800	Bulletproof BR3/S EN1063 Anti-burglary P6B EN356	Monoblock
Co137.70	Ø1150 x H 2350	700	25	900	Bulletproof BR2/S EN1063 Anti-burglary P6B EN356	
Co138.S90	Ø1500 x H 2400	900	25	1100		Demountable

Models can be made in stainless steel

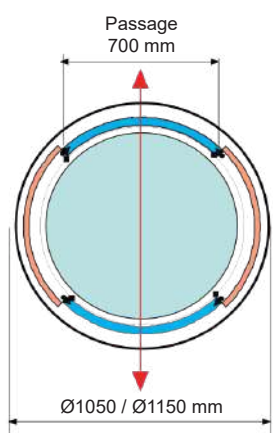


MAIN FEATURES

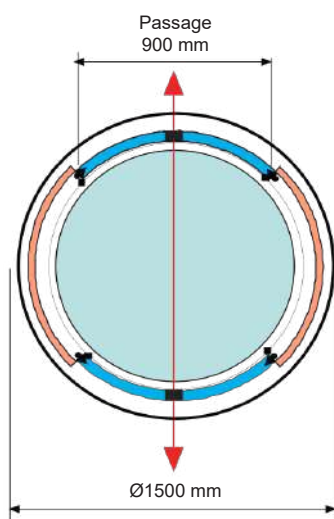
- Structure: Press-bent 40/10 sheet steel (monobloc Co136 and Co137, demountable structure Co138)
- Interlocked door system: high security access management, the second door opens automatically only if: the first door has closed (with a person inside the cabin) and only after passing the pre-set control phase.
- Total self-management (Co136): the system controls the transit of the individual person and automatically manages each event. It locks the exit door in case of: simultaneous transit of more than one person, presence of objects left/hidden on the floor, walls, doors, ceiling/ceiling. Floor self-management (Co137, Co138): presence of objects left/hidden on the floor.
- Load cell weighing system: Person presence, uniqueness of passage (anti-hostage function), object control (weight over 200 grams)
- Doors and side walls: 20/21 mm laminated glass BR2/S EN1063 (Co138) P6B EN356, 23/24 mm laminated glass BR2/S EN1063 (Co137) P6B EN356, 26/27 mm laminated glass BR3/S EN1063 (Co136) P6B EN356
- Paint finish: embossed, any colour on the RAL scale or alternatively stainless steel coating
- Accident prevention system: torque control integrated in the movement, pneumatic ribs with open circuit air flow detector



Co136.60



Co137.70



Co138.S90 Panoramica cilindrica

ACCESSORIES SUPPLIED

- Console for controlling compass functions
- IR sensor for detecting the presence of a person
- Emergency button and internal intercom
- Ceiling lamp with voice synthesis
- Traffic light and voice guidance signals for transit in both directions
- Door motors: 24Vdc
- Reversible door gear motors
- Encoder system:
 - Door position control
 - Door speed control
- Co138 is equipped with double weighing platform
- Backup battery: 2x 12V, up to 8 hours of autonomy
- 230/24 Vac isolation transformer, insulation class 2

OPTIONAL

- Gestione uscita di emergenza
- Telecamera
- Lettore di badge
- Metal detector per Co136 e Co137:
 - CEIA 02PN8HIPE/CF
 - CEIA 02PN8HIPE
 - CEIA 02PN7
- Metal detector per Co138:
 - CEIA 02PN8HIPE LARGE
- Sistema BioBank, registrazione biometrica
- Sistema Face Detection, analisi del volto anti-mascheramento

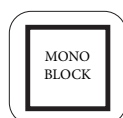
CE CERTIFICATION

- Machinery directive
- Electromagnetic compatibility
- Low voltage safety

SEMICIRCULAR CABIN

SELF-MANAGED ROTATING DOORS

Cabin with interlocked door system and load cell weighing. High degree of security. Various types of accessories. Possibility of customisation.



BEARING STRUCTURE Co136/
Co137
DEMOUNTABLE Co138



SINGLE PASSAGE
CHECKING SYSTEM



TOTAL
SELF-MANAGEMENT



METAL
DETECTOR



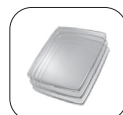
INTERLOCKING DOOR
SYSTEM



FACE DETECTION
(anti-masking System)



FINGERPRINT
ACQUISITION
(optional)



BULLETPROOF
ANTI-BURGLARY

Certified Glasses:
Burglarproof BR2/S UNI EN1063
Anti-burglary P6B UNI EN356



Energy saving

Thermal insulation: the internal
air does not come into direct
contact with the outside air.



Suitable for
disabled access



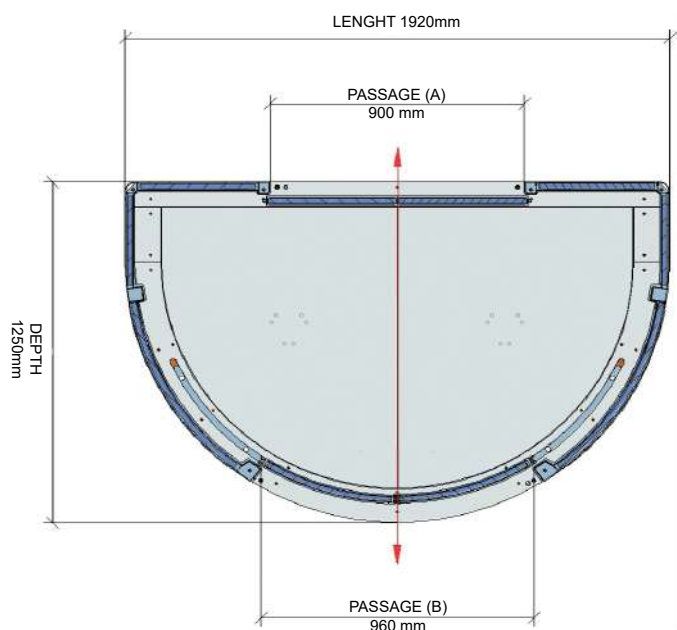
Versions available Co140:

Model	Dimensions (mm)	Passage (mm)	Spessore pavimento (mm)	Weight (Kg)	Certified Glasses
Co140	L 1920 x P 1250 x H 2400	900 (A) 960 (B)	25	1100	Burglarproof BR2/S EN1063 Anti-burglary P6B EN356



MAIN FEATURES

- Load-bearing structure: 30/10 press-bent sheet steel
- Interlocked door system: high security access management, the second door opens automatically only if: the first door has closed (with person inside the cabin) and only after passing the pre-set control phase.
- Wide access: suitable for wheelchair users.
- Self-management on the floor: the system controls the transit of the individual person and automatically manages each event. Blocks the exit door in case of: simultaneous transit of several people, presence of objects left/hidden on the floor.
- Load cell weighing system: presence of person, uniqueness of passage (anti-hostage function), object control (weight over 200 grams)
- Doors and side walls: 20/21mm bulletproof laminated glass BR2/S EN1063, burglarproof P6B EN356
- Redundant safety system: torque control integrated in the movement, pneumatic ribs with open circuit air flow detector
- Paint finish: embossed, any colour on the RAL scale or alternatively stainless steel coating.



ACCESSORIES SUPPLIED

- Console for controlling compass functions
- IR sensor for detecting the presence of a person
- Emergency button and internal intercom
- Ceiling lamp with voice synthesis
- Traffic light and voice guidance signals for transit in both directions
- Door motors: 24Vdc
- Reversible door gear motors
- Encoder system: door position and speed control

OPTIONAL

- Emergency exit management
- Camera
- Badge reader
- Metal detector:
 - CEIA 02PN8HIPE LARGE
- BioBank system, biometric recording
- Face Detection system, anti-masking face analysis

CE CERTIFICATION

- Machinery directive
- Electromagnetic compatibility
- Low voltage safety

REVOLVING DOORS WITH EXTERNAL DOOR AND METAL DETECTOR SELF-MANAGED

Security revolving doors, modern and elegant design. Ideal for prestigious environments and high traffic areas. Different types of accessories.



DEMOUNTABLE
STRUCTURE



SINGLE PASSAGE
CHECKING SYSTEM



SELF-MANAGEMENT
WITH VOLUMETRIC
SENSOR



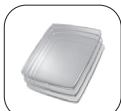
METAL
DETECTOR



ACCESS
CONTROL



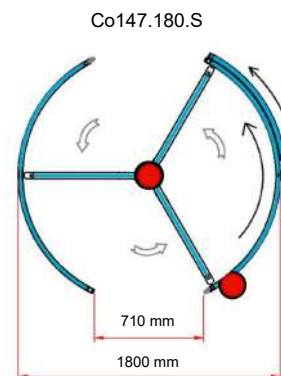
REINFORCED
STRUCTURE
FB4 BALLISTIC RESI-
STANCE
(Co147.SB)



BULLETPROOF
BURGLAR-PROOF

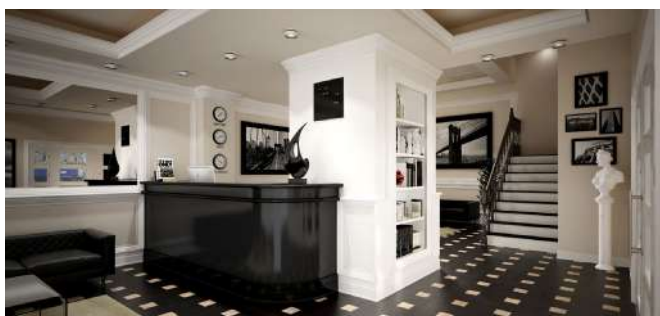


Co147.S



Co147.180.S

Application environments of revolving doors
Congress Centres, Access Controlled Sports Areas, Data Centres, Airports, etc.



Co146.160.N
Co146.180.N
Co146.230.N

REVOLVING DOORS SELF-MANAGED

SELF-OPERATED ROTATING DOOR
It is installed on site, directly on the existing floor (barrier-free).

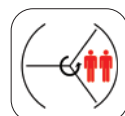
Particularly suitable for prestigious environments and areas with a high flow of people where structured access control is required.



DEMOUNTABLE
STRUCTURE



NO-TAILGATING
SYSTEM
(no queuing)



DETECTING MORE
PEOPLE
(anti-piggybacking, single
checkin passage)



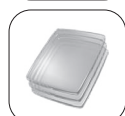
SELF-MANAGEMENT
WITH VOLUMETRIC
SENSOR



ACCESS
CONTROL



REINFORCED
STRUCTURE
FB4 BALLISTIC RESI-
STANCE (su Co146.NB)



BULLETPROOF
BURGLAR-PROOF



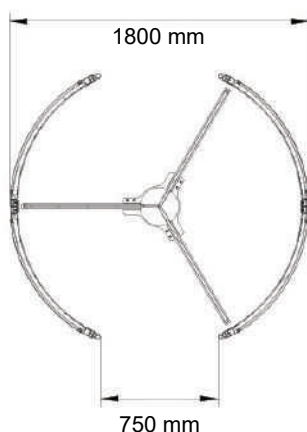
Certified glass according to EN1063:
Turnstile glass: BR1/S and P4B
Structure glass: BR2/S and P6B
(optional: structure glass BR4/S)



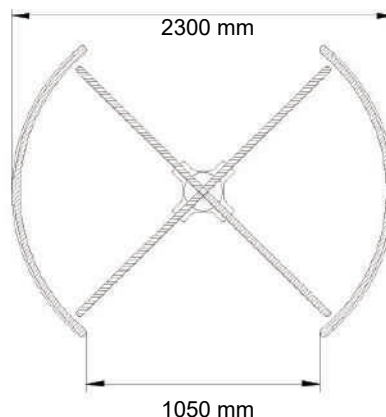
Co146.160.N



Co146.180.N



Co146.230.N



“ The best solution for prestigious environments
with high traffic.

CONFRONTO REVOLVING

SERIE Co146-Co147

Tabella riassuntiva delle versioni relative ai tre modelli CoMETA Revolving Doors.



Model	Dimensions	Passage	Door	Metal Detector	Floor base	Turnstile	Glass	Structure	Weight	RC4 Certification
Co146.160.NA	Ø 1600 mm H 2325 mm Ø 5.2493' H 7.628'	W 660 mm H 2090 mm W 2.1654' H 6.857'	No	No	Without base	3 wings	Int: 13/14 mm (35/64") BR1/S - P4A Ext: 20/21mm (53/64") BR2/S - P6B	Steel	1873 / 2976 lbs 850 / 1350 Kg	-
Co146.160.NB								Additional FB4 steel panels		-
Co146.180.NA	Ø 1800 mm H 2325 mm Ø 5.9055' H 7.628'	W 750 mm H 2090 mm W 2.4606' H 6.857'				3 wings (4 wings optional)		Steel		-
Co146.180.NB								Additional FB4 steel panels		-
Co146.230.NA	Ø 2300 mm H 2325 mm Ø 7' 6,551" H 7.628'	W 1050 mm H 2090 mm W 3,4448' H 6.857"				4 wings		Steel		-
Co146.230.NB								Additional FB4 steel panels		-
Co146.180.ND	Ø 1800 mm H 2325 mm Ø 5.9055' H 7.628'	W 750 mm H 2090 mm W 2.4606' H 6.857"				4 wings	Int. and Est. BR2/S on request: Int. and Est. BR4/S Int. and Est. BR4/NS	Reinforced sides and electric locks		YES
Co146.180.NE								Addition of internal and external FB4 panels		
Co146.230.ND	Ø 2300 mm H 2325 mm Ø 7' 6,551" H 7.628'	W 1050 mm H 2090 mm W 3,4448' H 6.857"				4 wings		Reinforced sides and electric locks		
Co146.230.NE								Addition of internal and external FB4 panels		
Co147.180.SA	Ø 1800 mm H 2375 mm Ø 5.9055' H 7.792'	W 750 mm H 2090 mm W 2.4606' H 6.857"	1 door	Yes	Without base	3 wings	Int: 13/14 mm (35/64") BR1/S - P4A	Steel	1984 / 3086 lbs 900 / 1400 Kg	-
Co147.180.SB							Ext. & Door: 20/21mm (53/64") BR2/S - P6B	Additional FB4 steel panels		

CUSTOM VERSIONS

Available on request, **different kind of customization**. CoMETA is able to respond promptly to the customer needs and develop specific tailor-made projects. Versions Ø1600 and Ø2300 are on request / project.

- 4 wings internal turnstile for Co146 Ø1800 and Ø2300
- Integration with access control systems (badge, fingerprints)
- Special colors painting /finishing
- Higher security grade glass:
 - Structure glass: 30/31mm BR4/S bulletproof certification

ACCESS CONTROL



Revolving' security doors are an excellent solution for access control, ideal for installation in: companies, offices, airports, industry, etc., even for restricted access areas (thanks to the integration of badge readers, fingerprint control, facial recognition or the use of technological detection devices).

EQUIPMENT & ACCESSORIES

- Removable structure: installed on site, directly on the existing floor
- Person presence checking system with volumetric sensors
- Anti-taigating system: people detection, one following the other on different segments
- Anti-piggybacking system: two people detection, even if one takes in arms the other
- Portal management unit/console with program functions and LCD display
- Traffic light panels with intercom
- Multilingual voice messages
- Interfacing to access control systems / presence detection systems (RS485)
- Integration with badge readers or fingerprints acquisition systems (optional)
- Interior lighting: lights LED strips
- Emergency system: automatic unlocking system
- Mechanical lock for additional locking during the night-times
- Anti-drilling armored defender for key cylinder protection (optional)
- Reinforced steel structure with additional FB4 panels: on Co146.NB versions
- Rain cover: honeycomb PVC cover cap panel, UV resistant
- Reinforced upper cover: steel panel for cap protection (optional)

TECHNICAL FEATURES



WEIGHT: from 850 Kg to 1350 Kg ca. depending on version and accessories.



POWER SUPPLY: 100-240 V, 50-60 Hz.



OPERATING VOLTAGE: 24 V.c.c. with batteries for activity without power supply.



TRANSIT CAPACITY: at the standard speed of 4 turns per minute, the 3-wings turnstile guarantees a bidirectional flow of: 12 passages per min., while the 4-wings turnstile: 16 passages per min. (without alarms).



STRUCTURE: painted steel, supplied disassembled, to be assembled on site. The Co146.NB doors are equipped with additional bulletproof steel panels.



PAINTING: standard RAL colors with fine finish (glossy finish, stainless steel and special colors on request).



PROGRAMMABLE FUNTIONS: emergency/block; automatic/manual transit; passage: mono/bidirectional.



EXTERNAL GLASS: side panels 53/64" 20/21mm bulletproof BR2/S and burglar proof P6B laminated glass (optional: 7/32" 30/31mm BR4/S and P8B).



INTERNAL GLASS (turnstile): laminated glass 35/64" 13/14mm BR1/S and P4A.



CONSUMPTION: Idle 50W, Turning (in motion) from 100 to 150W depending on the versions and accessories.



MOVEMENT: electromechanical drive by 24V DC motor with reversible movement of the turnstile in absence of supply voltage.



LIGHTING: interior compartment with 4 Led strips 12V-50/60Hz.



ELECTRONICS: control logic developed by CoMETA, microprocessor control and self-diagnosis.



SAFETY / ACCIDENT PREVENTION: sensitive elctrical edges certified according to EN12978 (anti-crushing)

Co635.A2X
Co635.B2X



CONTROL CONSOLE CABINS DIGITAL SERIES

Complete models with intercom and programming display.

Co635.A2X - Wired Serial Console

Ergonomic digital console. Allows full control of the cabins functions. All the parameters of the Metal Detector can be adjusted and there are always active diagnostic functions. Equipped with:

- Visualisation display for adjustments to: metal detector, cabin functions
- Dedicated user-friendly programming keys
- Key selector switch for selecting the following modes: programming, manual, automatic, emergency
- Buttons for actions on: internal door, external door, lock, emergency
- Choice of night mode, day mode
- Intercom handset for communication with inside and outside the cabin

Co635.B2X - Wireless Console

The wireless communication protocol has been developed to be secure and reliable, the header and format is checked for each packet. For the most sensitive information (such as commands or signalling status) the 16-bit CRC is checked and the AES encryption algorithm with symmetric key is used. Wireless interfaces are 'invisible' to scanning and an authentication procedure is required to make the connection.

Co682.A62
Co682.A63

Mini Console for command repetition

Model Co682.A62 is a mini cab management console with biometrics. Model Co682.A63 is the basic mini-cab management console.



Co615.A11

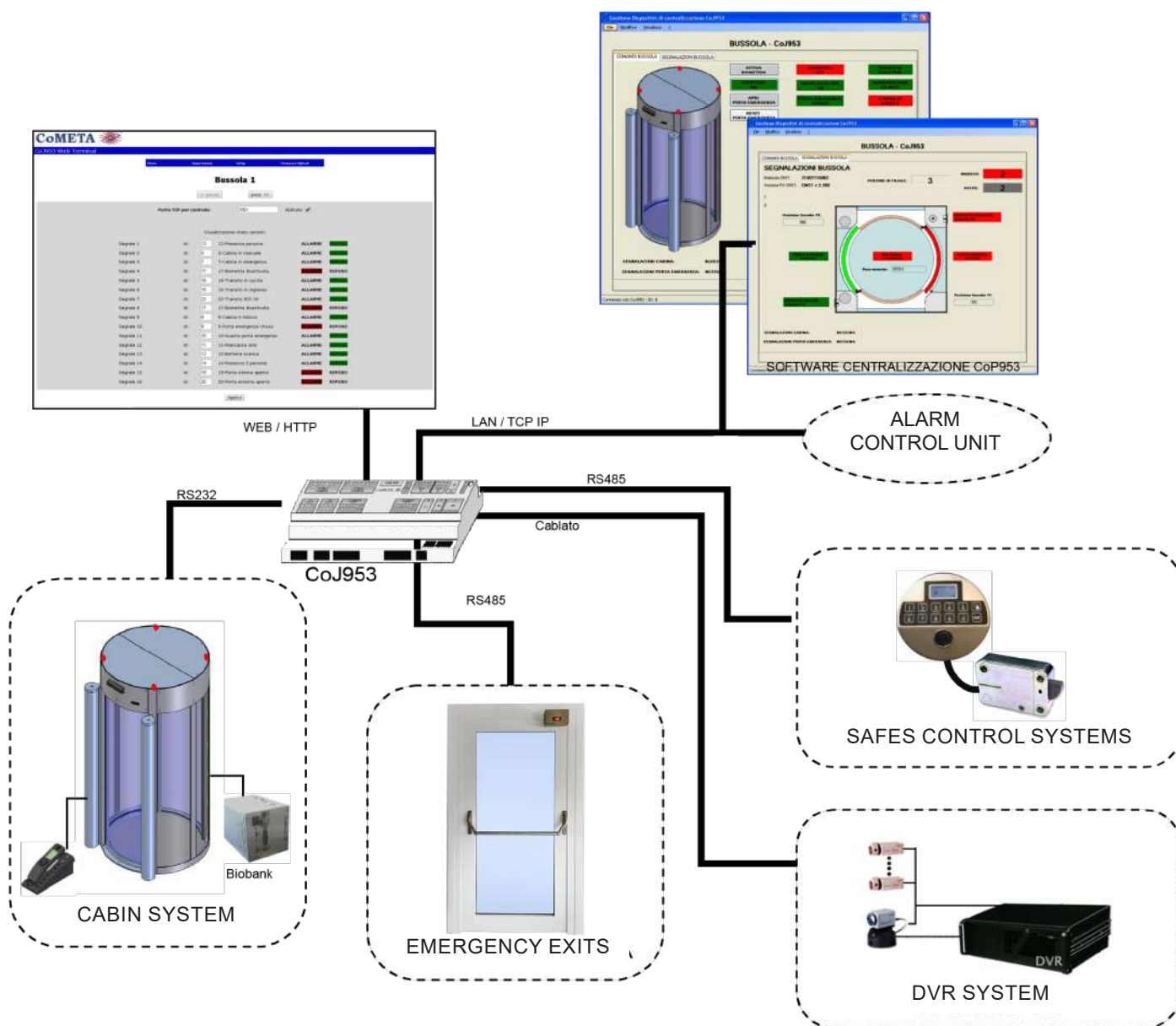
Mini Desk Console with integrated emergency button



CENTRALISATION SYSTEM CoJ953

SUPERVISION AND SECURITY

A single device for complete management, able to collect reports and events from all devices installed in the field (cabin, biometric system, emergency exit, strong media, etc.).



The supervision and management system based on the CoJ953 concentrator makes it possible to pursue quality and efficiency objectives for physical security in a single product by collecting reports from all installed devices.

The CoJ953 project, in line with the requirements of centralised security management, allows, by means of the LAN interface, to connect with the alarm centres in TCP/IP communication; moreover, thanks to its integrated web server, it allows remote monitoring and maintenance of the interconnected devices in order to limit the costs of travel and human intervention on site.

In addition to the Web connection, the software CoP953.J - Setup Centralization CoJ953, installed on a service PC, allows access to CoMETA centralization systems either with RS485 interface directly on the device bus, or remotely over TCP to perform system configuration operations and/or display/export of events.

METAL DETECTOR CEIA HIPE CF INSTALLED ON CoMETA CABINS

CoMETA's production includes Cabins Certified to complement the CEIA HIPE CF Metal Detector, which allows a high discrimination ratio between metal personal effects and firearms.

This feature drastically reduces 'improper' alarms, thereby limiting operator intervention and making the transition smoother. The graph compares two systems installed in the same context, where a sample of 100 people passed through first one and then the other.

MAIN FEATURES



- Adjustable sensitivity with wide range of values
- Direct selection of International Safety Standards
- High Discrimination
- Very high immunity to interference, both mechanical and electromagnetic.
- Programmable, microprocessor-controlled operation
- Programming: via built-in keypad and display or via RS232/RS485 serial connection from personal computer or computer network
- Programming access protected by a mechanical lock and two alphanumeric passwords
- Automatic synchronisation between two or more metal detectors, with reciprocal distance of 5 cm or more without the use of cables
- Professional electronics with high integration and high reliability
- Electronic control unit separate from the detector
- No initial or periodic calibration
- Easy maintenance: less than 1 minute to replace the electronic control unit



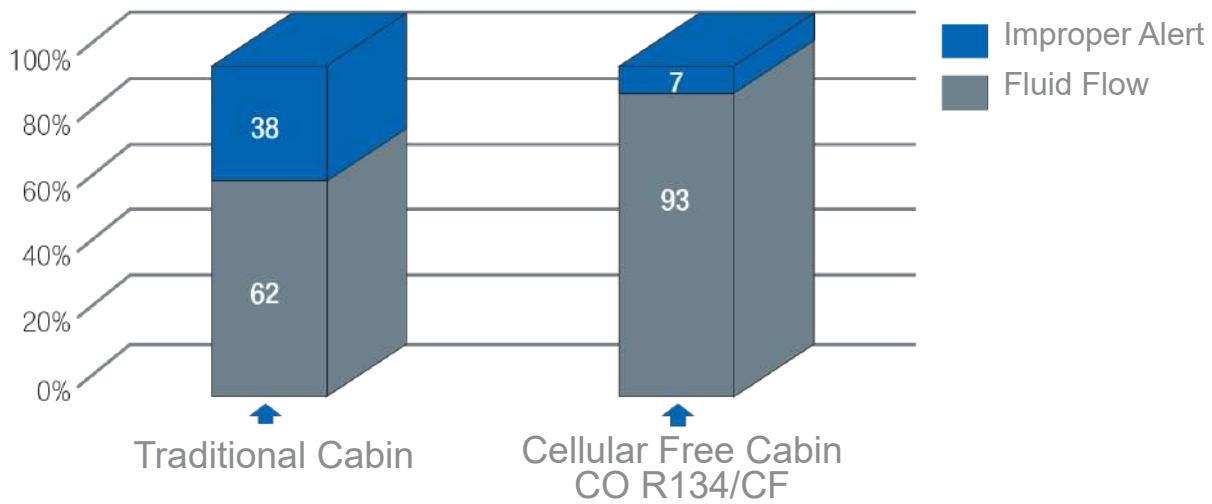
COMPARATIVE REPORT CORRECT PASSAGES AND IMPROPER ALERTS

Comparative results are presented in the diagram showing a clear decrease of "improper alarms" (from 38% to 7%) and a strong improvement of the smoothness of the people passage (from 62% to 93%) in the presence of a CO R134/CF system.

Security level AM7

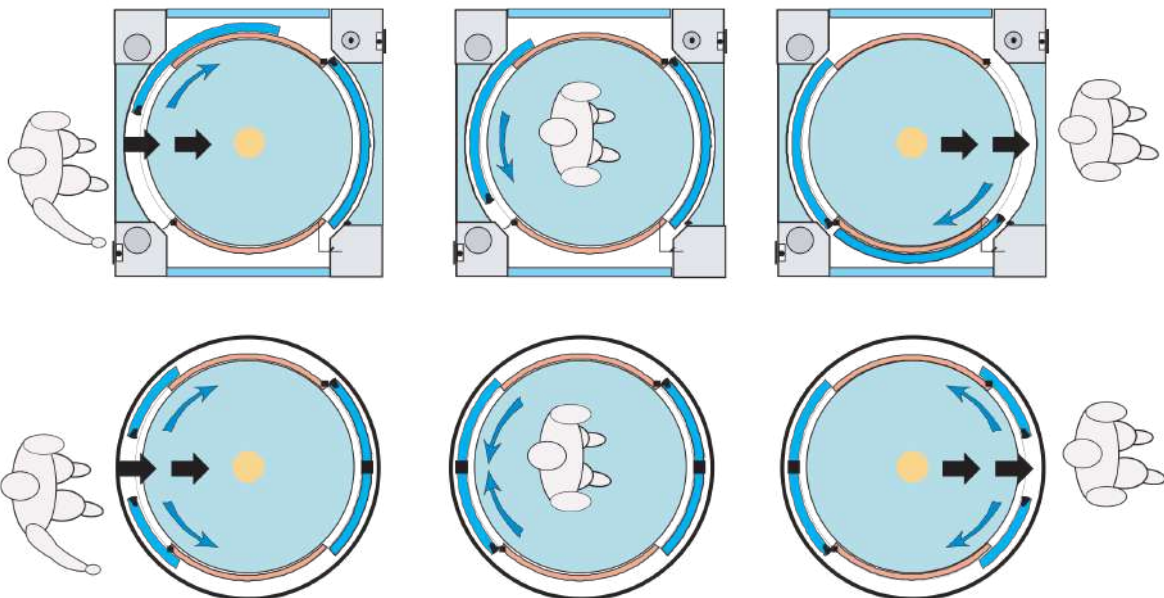
(Nielecj-std-0601.00): detection of a Beretta 6.35 calibre





MAIN TRANSIT SEQUENCE

SELF-OPERATED CABINS WITH ROTATING DOORS



Night programme

LAST OUTPUT

- Only one in interlocking mode
- Only one with both doors open
- Without limits in interlocking mode
- Without limits with both doors open

FIRST ENTRANCE

- Only one with active metal detector
- Only one with inactive metal detector
- Without limit with active metal detector
- Without limit with inactive metal detector

POSITION FUNCTION

- Passcode function with active metal detector
- Passcode function with inactive metal detector

Safety lock

Blocks and interrupts all passing cycles in progress and/or to be started.

Day program

AUTOMATIC BIDIRECTIONAL

- Without priority
- With priority on external door open input
- With priority on internal door open output

MANUAL

- Console controlled passage

AUTOMATIC EXIT

- Automatic free passage out with internal door closed
- Automatic free passage out with open inner door

AUTOMATIC ENTRY

- Automatic free passage in with external door closed
- Automatic free passage in entrance with open external door

Emergency

Simultaneous sequential release of both doors.

Certifications

All certifications are a valid reference point for those who demand high performance, high quality and reliability. CoMETA has obtained important international company and product certifications.

Product certifications: It is important to remember that CoMETA products, before being put on the market, are tested by our Prototyping & Testing department and certified by external Qualified Institutes according to current regulations and laws.

Anti-burglary grades are tested according to international standards on: structure (frame), glass, lock, doors, gates, individual protection elements (e.g. reinforcements to secure a specific point, etc.).

CoMETA has obtained important certifications concerning: quality of the system and production processes, quality of the system and environmental policy, and quality for occupational safety management.

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