



Co143

“CRYSTAL” PORTAL

Interlocking security Portal with glass structure and rotating doors without frame.



INTERLOCKING CRYSTAL PORTAL GLASS-BODY AND ROTATING DOORS

Elegant access control solution with interlocking doors system. Co143 is the latest achievement in terms of aesthetic lightness without sacrificing performance.

REMOVABLE STRUCTURE

Directly installed on site, on the existing floor.



REMOVABLE
STRUCTURE



NO BASE



PERSON PRESENCE
SENSOR



ACCESS CONTROL
INTEGRATION



FACE DETECTION
Anti-mask system



FINGERPRINT
CONTROL



BULLETPROOF &
BURGLARPROOF



Certified glasses:

Bulletproof BR1/S EN 1063
Burglarproof P5B EN 356



Energy Saving

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

Security Portal "Crystal" Co143 is available in the following versions:

Model	Overall dimensions (mm)	Width of passage (mm)	Floor Thickness (mm)	Laminated glasses (mm and resistance levels)	Weight (Kg)
Co143	Ø 1156 x H 2400	660	0 (no base)	Bulletproof BR1/S EN1063 Anti-Burglary Side: 18/19 mm P5B EN 356 Doors: 12/13 mm P4B EN 356	About 450Kg

“Elegant security portal with high aesthetic impact and great performance.



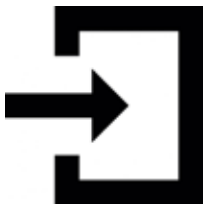
GLASS STRUCTURE

Elegant interlocking security portal, glass-bodied (bulletproof). **Wide side-glasses** that form the main structure and glass rotating-doors without frame.



REMOVABLE STRUCTURE

Removable cabin, can be installed directly on the existing floor (no base). The perfect solution for sites with narrow access, where is usually impossible to instal classic security portals.



ELEGANT ENTRANCE

Ideal solution for important entrances to **prestigious places or protected areas** (with access control): banks, airports, congress centers, companies, gyms, sport centers, etc.



ACCESS CONTROL

Full-integration with access control systems: badge readers, NFC/RFid, fingerprints control, face detection systems, etc.



ACCESSORIES

- Portal Control Unit (total control of doors and automatic functions)
- User presence detection by active infrared sensor on the ceiling
- Passage detection of one-person-at-a-time (two persons passage not allowed)
- Light panels and voice-synthesis messages for user's transit guidance in both directions:
 - Full-height light panel integrated in the structure (red/green led),
 - Voice-synthesis system
- Emergency-call and opening-request buttons
- Infrared sensors for door opening automation
- External door with reversible function
- Console with display and keypad (for cabin functions control)
- Safety System (user accident protection)
- Events recording system



Co143 MAIN FEATURES



WEIGHT: about 450 Kg depending on the accessories.



POWER SUPPLY: 1,5 A standby mode, 4 A peak.



SUPPLY VOLTAGE: 24 V a.c. + 2 x 12V 7Ah back-up batteries.



OPERATION TEMPERATURE: 0 ÷ 50 °C.



STRUCTURE: painted steel and laminated glass, supplied already assembled or assembled on site. Without base (directly installed on the existing floor).



FINISHING: standard RAL colors and special colors on request.



MOVEMENT: electro-mechanical engine 24V c.c. with torque control and reversible handling.



GLASSE: bulletproof laminated glasse, BR1/S EN1063 certified. Burglar proof certification:

Side glasse: 18/19 mm P5B EN 356
Door glasse: 12/13 mm P4B EN 356



LIGHTING: LED strips installed on ceiling.



ELECTRONICS: control unit, self-diagnosis system by microprocessor.



ACCIDENT PREVENTION SYSTEMS: TXRX anti-crushing floor sensor; motor absorption torque control; external radar.



PROGRAMMABLE FUNCTIONS: evacuation/block; automatic or manual transit control; direction of passage: one way/both directions.



EVENTS: recording memory up to 30.000 events.



Co143 CONSOLE, PANELS, ACCESS CONTROL DEVICES



PORTAL CONSOLE: Ergonomic console for real time monitoring and controlling of all portal functions, with display and keypad:

- Doors control buttons: internal door, external door block, emergency
- Diagnostic functions
- Metal Detector and Portal configurations
- Emergency Exit release button
- Night mode and Day mode buttons
- Intercom receiver

(Wireless Console version is also available)



TRAFFIC LIGHTS: user's transit guidance professional touch panels and led light strips for access indication (red/green color), and voice-synthesis system (multi-language recorded messages) for helping the user in both directions.

Access control devices (like badge readers, fingerprint acquisition or other devices) for Co143 Crystal Portal are usually installed on a small external column (user-friendly elegant platform).

Co143 OPTIONALS



EMERGENCY EXIT SYSTEM:

- CoMETA electromagnet
- Emergency panel: light & voice
- Emergency Exit release button



VIDEOCAMERA: presence detection and people transit control.



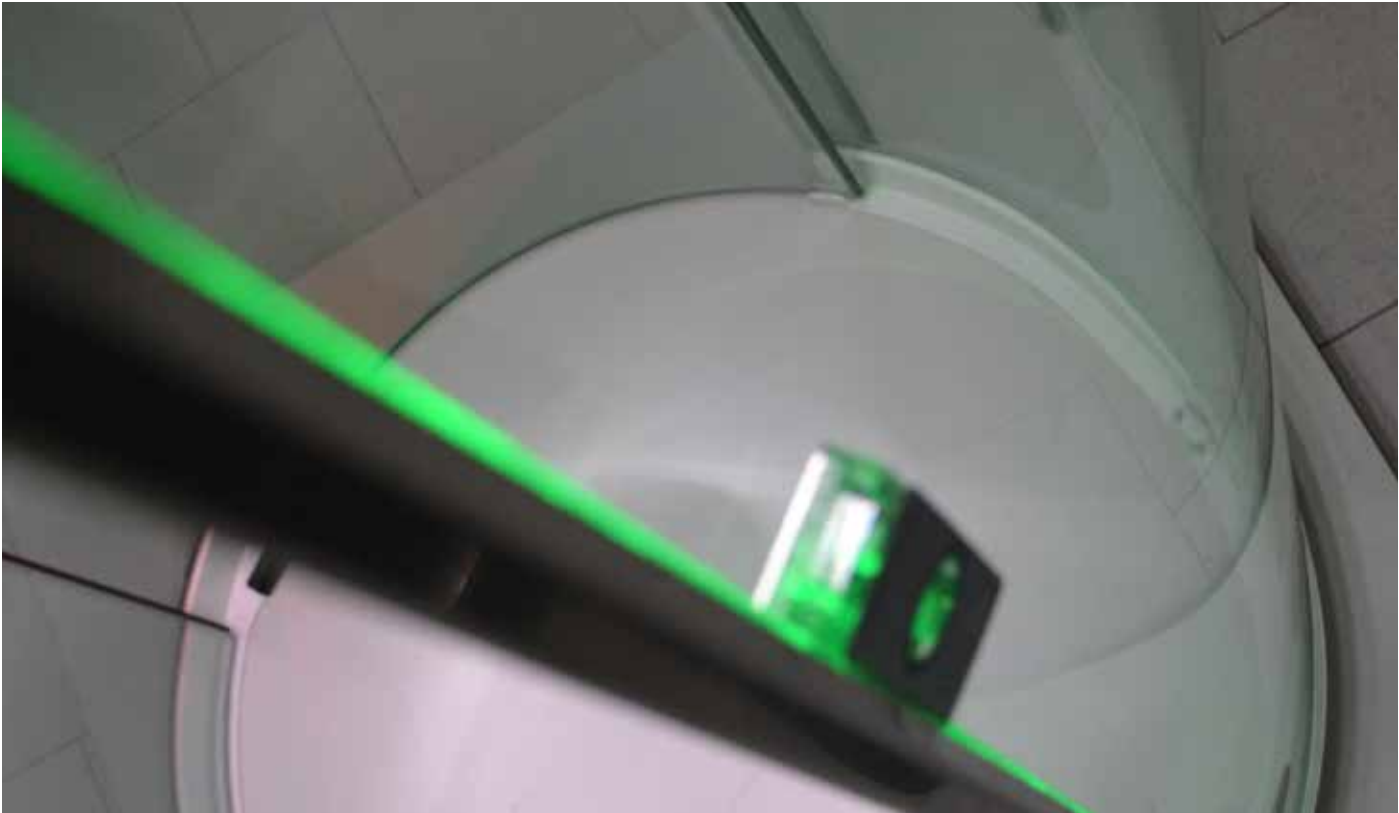
BADGE READERS: installation of access control systems with badge readers (traditional RFid or NFC contactless).



FINGERPRINTS ACQUISITION: installation of CoMETA **Bio Bank system** for biometric data acquisition with "fake finger detection" function.

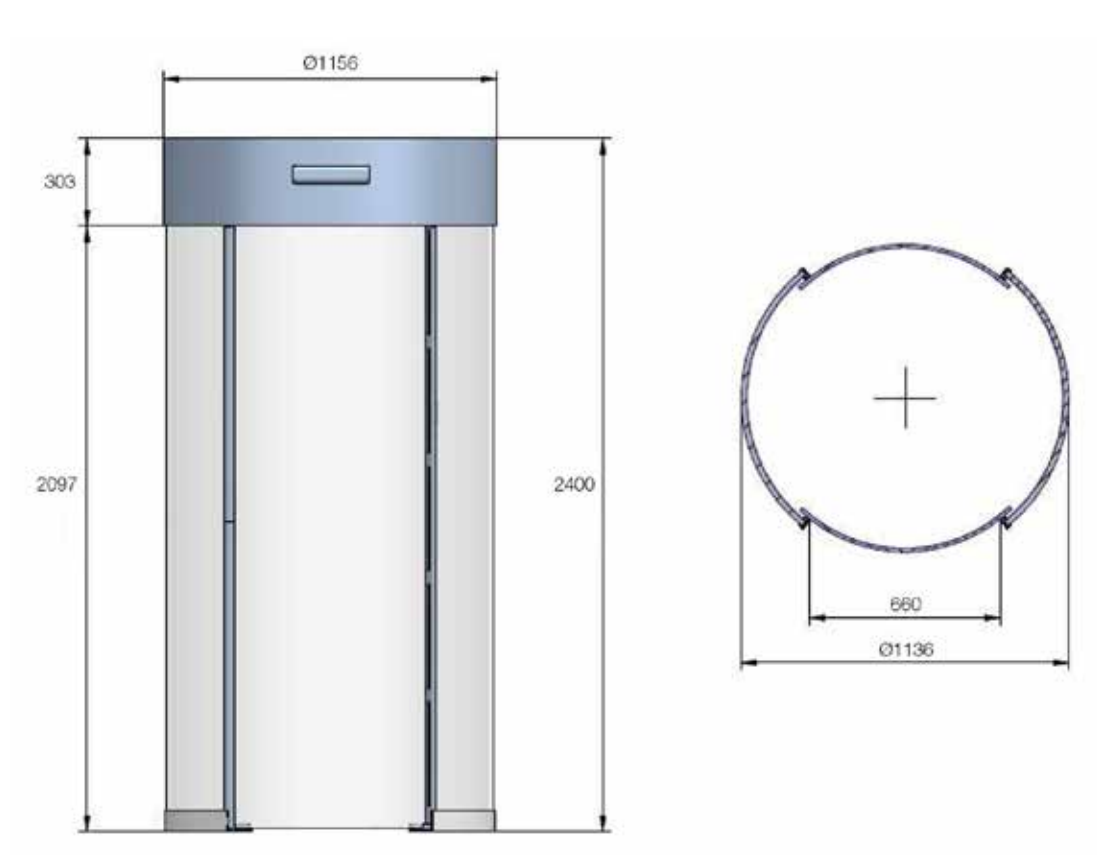


FACE DETECTION: installation of CoMETA **Face Detection system** for facial data analysis with anti-masking function (the system locks the entrance doors when a person tries to hide his/her face with a helmet, a scarf, etc.).



DIMENSIONS

Co143 Crystal model dimensions (mm) and technical design.





Certifications

All the certifications constitute a valid reference point for those who demand high performance, quality and reliability. CoMETA achieved important international certifications.

Products certifications: it is important to remember that CoMETA products are **always tested** by our internal testing department and certified by external Qualified Organizations according to regulations and laws.

Burglar proof levels are tested in accordance with international standards, on: external structure, glass, security locks, security doors and protection elements.

Tutte le certificazioni costituiscono un punto di riferimento valido per coloro che richiedono elevate prestazioni, alta qualità e affidabilità. CoMETA ha ottenuto importanti certificazioni internazionali sia aziendali che di prodotto.

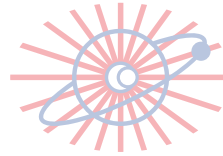
Certificazioni di prodotto: è importante ricordare che i prodotti CoMETA, prima di essere immessi sul mercato, vengono testati dal nostro dipartimento di Prototipaggio & Testing e certificati da Istituti Qualificati esterni in base alle normative e alle leggi vigenti.

I gradi di antieffrazione vengono testati secondo gli standard internazionali su: struttura (telaio), vetri, serratura, porte, varchi, singoli elementi di protezione (es. rinforzi per blindare un punto specifico, ecc.).



CoMETA achieved important international certifications: ISO9001 certified quality systems, OHSAS18001 occupational health and safety assessment series, ISO14001 environmental management system.

CoMETA ha ottenuto importanti certificazioni riguardanti: qualità del sistema e dei processi di produzione, qualità di sistema e politica ambientale, qualità per la gestione della sicurezza sul lavoro.



CoMETA S.p.A.

Headquarters & Production - Florence, Italy

Via Leonardo da Vinci, 116 - 50028 Barberino Tavarnelle

Tel: +39 055 8070303 - Fax: +39 055 8070505

info@cometaspa.com

www.cometaspa.com

CoMETA France

Headquarters

Paris, France

33, Rue des Chardonnerets
ZAC de Paris Nord II

93290 Tremblay En France

Tel.: +33 (0)1 48630204

Fax: +33 (0)1 48630280

info@cometafrance.com

www.cometafrance.com

CoMETA Milano

Branch

Milan, Italy

Tel.: +39 02 25551600

infomi@cometaspa.com

CoMETA Padova

Branch

Padua, Italy

Viale del lavoro, 70

Z.I. Roncagette

35020 Ponte S. Niccolò

Tel.: +39 049 8966592

Fax: +39 049 719295

infopd@cometaspa.com

