

noRADIO series

The increased interest on radioactive hazards has driven Tonali to introduce a radioactive detector system **fitted inside the security booth «noRadio»** in order to grant security in the «high risk» gates like airports, nuclear power plants & nuclear components handling sites,....

noRADIO series is able to detect the presence of gamma radioactive material (i.e. used for a dirty bomb) by means of NaI, (Tl,) detector and its associated counting electronics, fully integrated with the overall system. This option allows a fast detection of unshielded gamma emitters having activity 1 MBq or less, depending on source position. Radioactivity monitoring detects radioactivity but emits none.

Shielded gamma emitters (lead, heavy metals) can be easily detected by the optional built-in metal detector.

Square models are available with a straight (180°) or left/right angled (90°) passage:

- **noRADIO**: base 1050mm and glass up to 29/31mm
- **noRADIO Plus**: base 1150mm and glass up to 29/31mm



noRADIO

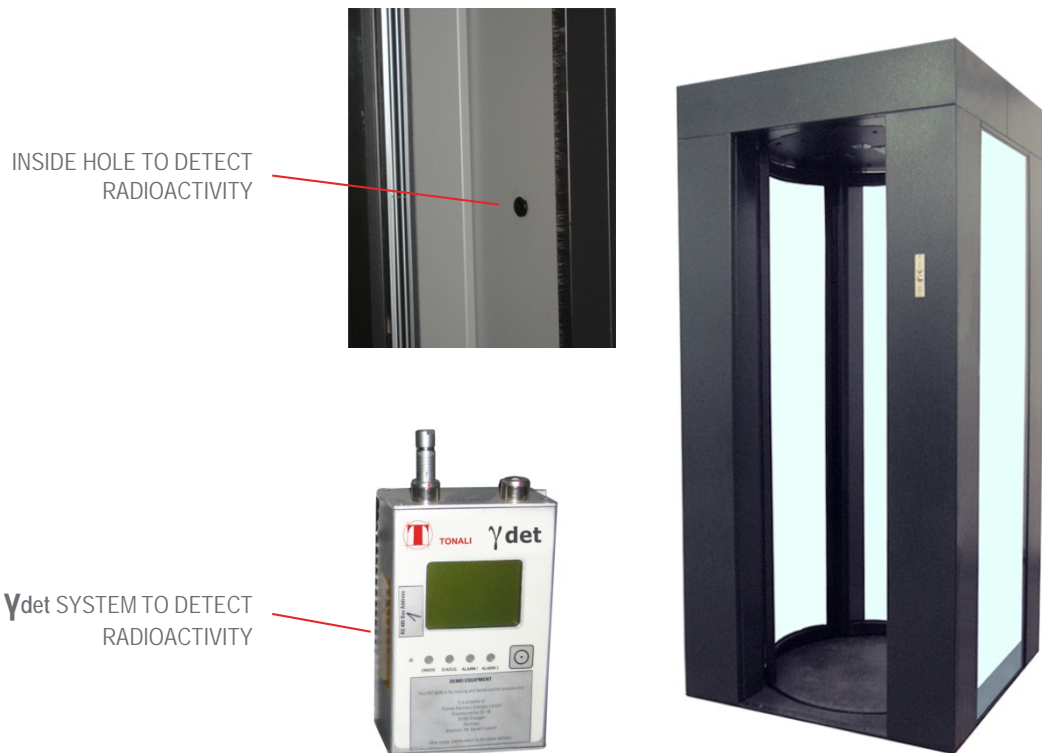
The sensitivity over false-alarms ratio may be adjusted according to each user's specific requirements. Warning: some alarms will be due to people who have recently undergone diagnosis or treatment with nuclear medicine or radiotherapy methods (scintigraphy, PET scans, metabolic radiotherapy, prostate Brach therapy, etc).



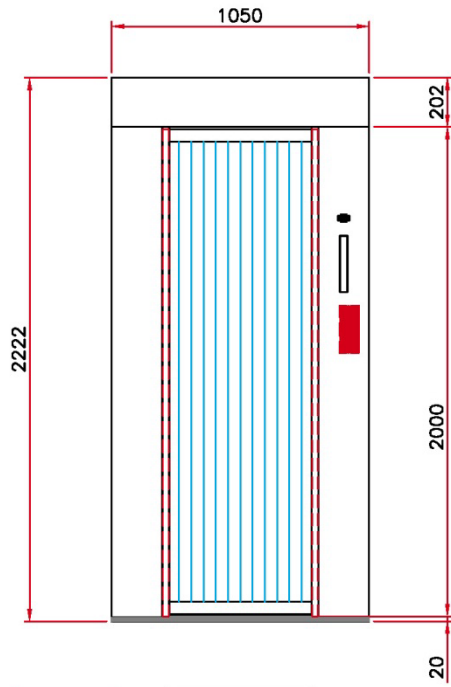
FEATURES AND OPTIONS

- self-contained built-in metal detector
- neutron detector capable detecting fissile or strategic material (i.e. uranium, plutonium)
- volumetric left object control system
- volumetric single passage checking system
- digital display, menu-guided command and setting console
- intercom, voice messages and traffic-lights
- easy-link to third party manufactured access control systems (RS232 - RS485 – IBIS interfaces)
- hidden microcameras inside the cabin
- proxy, swipe-card and biometric readers easily added
- low-side mechanical key for additional locking

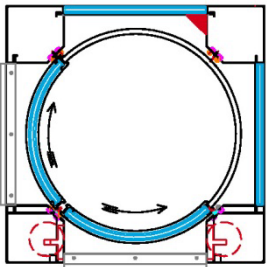
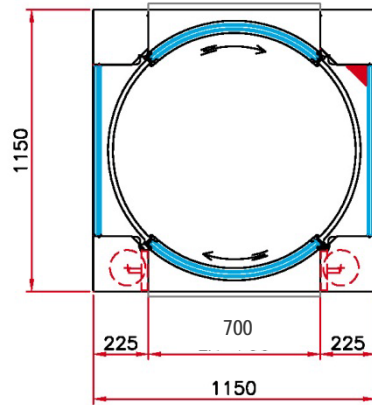
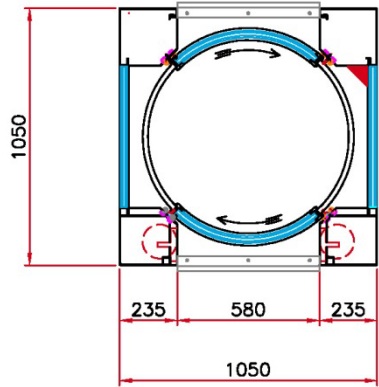
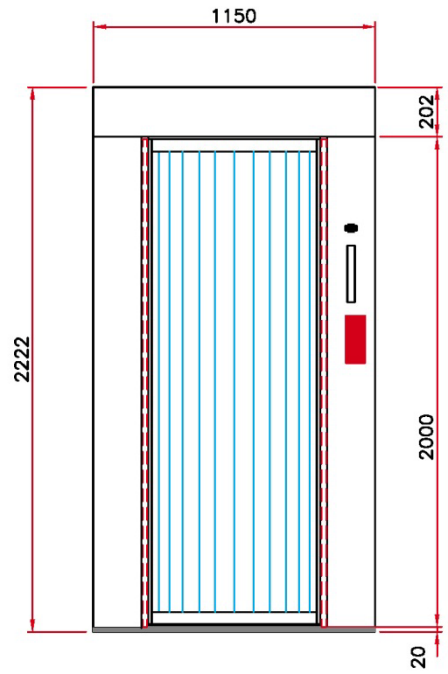
INSIDE DETAILS



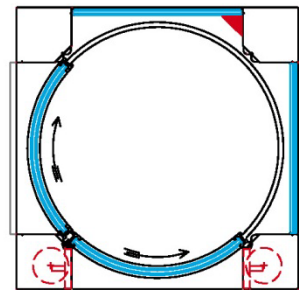
noRADIO



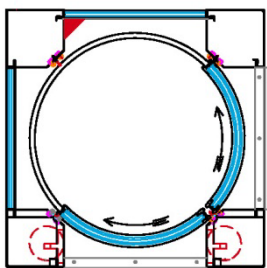
noRADIO Plus



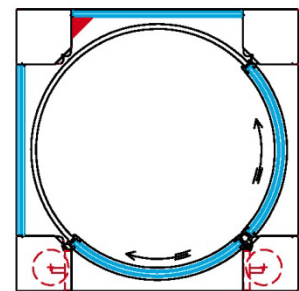
90° L



90° L



90° R



90° R

TECHNICAL SPECIFICATIONS

- DIMENSIONS:
 - noRADIO L 1050 x W 1050 x H 2222 mm
 - noRADIO Plus L 1150 x W 1150 x H 2222 mm
- FREE PASSAGE AREA:
 - noRADIO L 580 x H 2000 mm
 - noRADIO Plus L 700 x H 2000 mm
- WEIGHT: from 700 Kg up to 1050 Kg according to the model and additional options
- POWER SUPPLY: 230 V (110 V on request), 50/60 Hz
- VOLTAGE: 12-24 V.d.c. with back-up batteries for uninterrupted operations in case of power loss (from 100 up to 1000 cycles)
- CONSUMPTION: 100W
- THROUGHPUT: 4-5 full cycles/1' one sense; 7-8 full cycles/1' two senses according to the model and additional options
- FRAME:
 - available also in separate parts for local assembling
 - steel sides on applications
 - cabins floor: 20 mm thick (cabins do not need to be recessed)
- PAINTING AND FINISHING: RAL colours code range standards with «orange skin» finishing (flat finishing, stainless steel execution and other colours on request)
- GLASS: sides and doors equipped with 26/27 mm laminated thick glass rated BR3/S P6B; (different glass thickness on request)
- LIGHTING: inside lighting with 12 V, 50/60 Hz led spots
- MOVEMENT: 24 V.d.c. electric-motors assisted sliding-doors movement with reversible option for manual opening in case of total power loss
- ELECTRONICS: microprocessor based electronics
- ACCIDENT PREVENTION MEASURES: self-adjusted braking, speed control and accident prevention devices
- PROGRAMMABLE OPTIONS: emergency escape/door locks; automatic/manual transit; passage one/both directions

