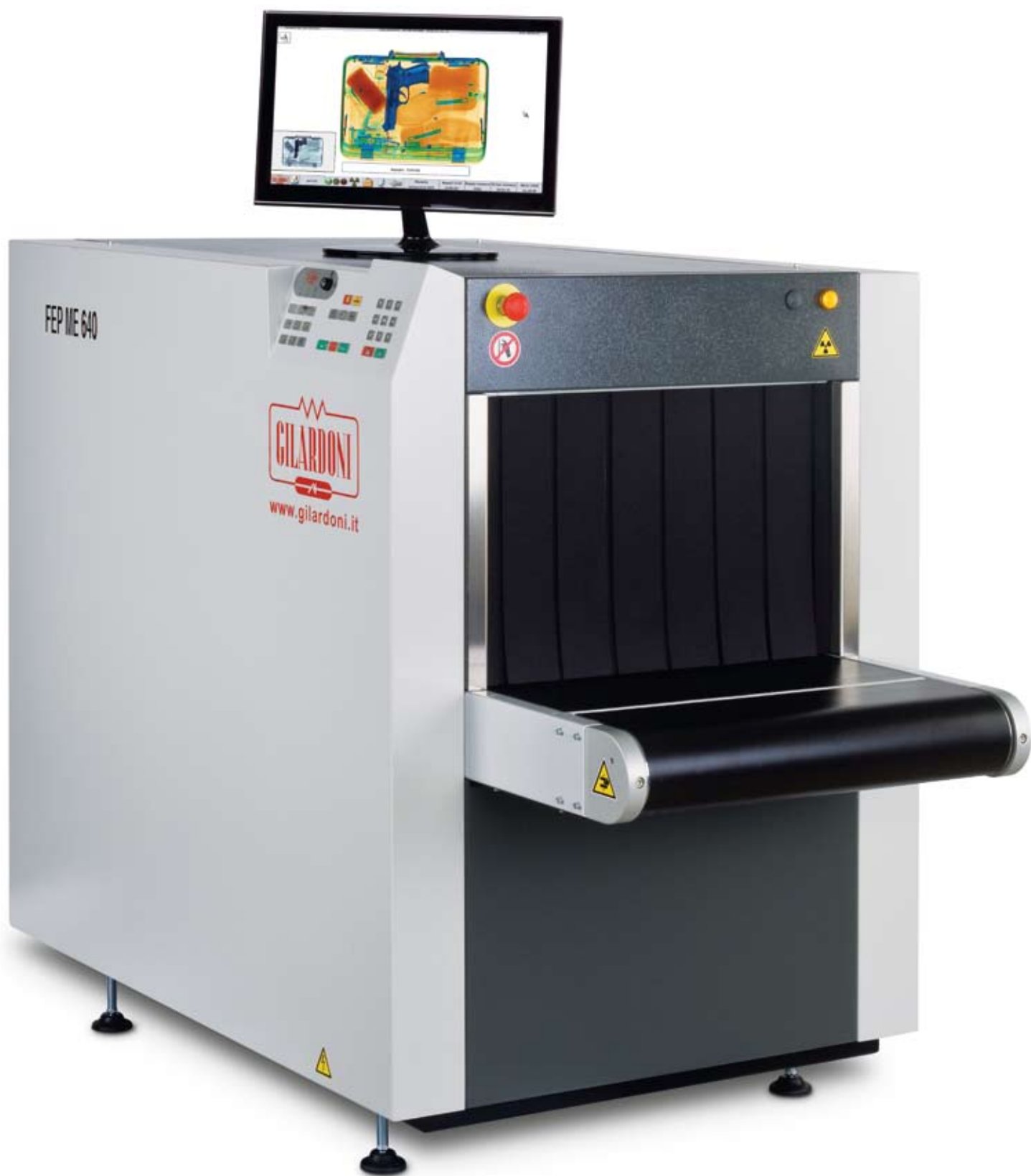


# FEP ME 640 LP SA



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## TECHNICAL SPECIFICATIONS

New X-ray inspection system for hand luggage with tunnel size 60cm (w) x 40cm (h). Compact design with console and monitor integrated in the system as stand alone configuration. Ideal as checkpoint solution where high quality and functionality with small footprint are needed. Easy to install in small spaces, offers high throughput and ease of use.

### Inspection unit

- Dimensions: 1800mm (L) x 905mm (W) x 1640mm (H)
- Weight: 400kg
- Tunnel size: 606mm (W) x 405mm (H)
- Conveyor belt height: 690mm (adjustable)
- Belt speed: 0.2m/s
- Maximum bag weight: 165kg
- 1 LCD widescreen monitor
- Power supply: Monophase 230VAC +/- 10%
- Frequency: 50/60Hz +/- 3Hz
- Power absorption: ≤ 1.5kVA
- Duty cycle: 100%

### X-Ray generator

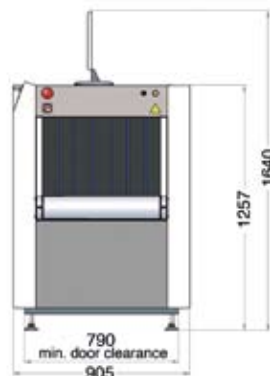
- High frequency monobloc
- Tube voltage: 150kV
- Tube current: 0.5mA
- Beam orientation: Diagonal upwards

### Detection characteristics

- Resolution\*: 38 AWG guaranteed, 41 AWG typical
- Penetration\*: 30mm steel guaranteed, 32mm typical
- Detectors: Two "L"-shaped rows of photodiodes

### Environmental compliance

- Operational temperatures: 0°C to 40°C
- Storage temperature: -20°C to +60°C



\* Tested with Gilardoni S.p.A. proprietary copper wires and steel stepwedge

Reserving the right to improve and modify

RESEARCH LABORATORIES acknowledged "Highly Qualified" with decree D.M. 9-10-1985 – L.46/82 art.4

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- Humidity: 95% without condensation
- Noise level: < 60dB

### Standard image enhancement features

- Organic/inorganic materials discrimination
- Continuous contrast variation
- Continuous penetration levels variation
- Reverse Image
- Variable edge enhancement
- Energy stripping
- Pseudo colours
- Continuous Zoom x2 up to x64 & Rotozoom
- All features available "on the fly"
- Density alarm (adjustable threshold)
- Image storage on removable devices

### Health and Safety

The system fully meets the applicable international regulations for X-Ray equipment

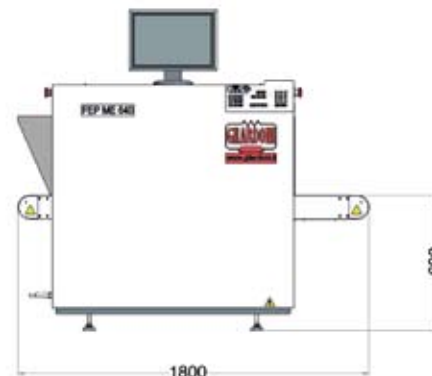
- Leakage dose at 10cm: < 1.0µSv/h (0.1mR/h)
- Film safety: guaranteed up to ISO 1600/33 DIN

### Options

- ADS, TIP, NetServer & TIPNet
- Digital Session Archiving
- Off-line post-processing on work sessions
- Digital Image Archiving (AIMS), AIMS Networking
- Modular roller tables
- 2nd level remote display workstation(s)
- UPS
- Smart-card login

### REFERENCE REGULATION:

EC, IEC, TSA, STAC, DFT, ENAC



Dimensions in mm

