

FEP ME 640 LP



TECHNICAL SPECIFICATIONS

Inspection unit

- Dimensions: 2280mm (L) x 905mm (W) x 1255mm (H)
- Weight: 450kg
- Inspection tunnel size: 606mm (W) x 405mm (H)
- Conveyor belt height: 680mm (adjustable)
- Belt speed: 0.2m/s
- Maximum bag weight: 165kg
- 1 monitor LCD widescreen
- Power supply: Monophase 230VAC or 110VAC +/- 10%
- Frequency: 50/60Hz +/- 3Hz
- Power absorption: $\leq 1.5\text{kVA}$
- Duty cycle: 100%

X-Ray generator

- High frequency monoblock
- Tension at x-ray tube: 150kV
- Current at x-ray tube: 0.5mA
- Beam Orientation: Diagonal upwards

Detection characteristics

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

Environmental compliance

- Operational temperatures: 0°C – 40°C
- Storage temperature: -20°C – +60°C
- Humidity: 95% without condensation
- Noise level: < 60dB (A)

Standard image enhancement features

- Organic/inorganic materials discrimination (low Z, medium Z and high Z)

- Continuous contrast variation
- Continuous variation of penetration levels
- Reverse Image
- Variable edge enhancement
- Energy stripping
- Pseudo colours
- Continuous Zoom x2 up to x64 & Rotozoom
- All features available "on the fly"

Advanced functions

- Density alarm (adjustable threshold)
- Image storage on removable devices
- Off-line post-processing on work sessions

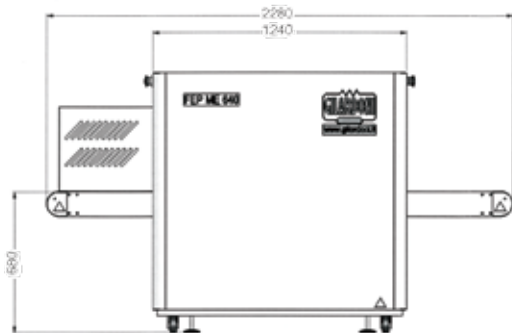
Health and Safety

- The system fully meets the applicable international regulations for X-Ray equipment
- Leakage dose at 10cm: < 1.0 μSv / hour (0.1mR/h)
- Film safety: guaranteed up to ISO 1600/33 DIN

Options

- ADS
- TIP
- NetServer & TIPNet
- Digital Image Archiving (AIMS)
- AIMS Networking
- Modular Roller Tables
- Monitor Enclosure
- Foldable roller tables
- 2nd level remote display workstation(s)
- UPS
- Smart-card login

REFERENCE REGULATION: EC, IEC, TSA, STAC, DFT, ENAC



* 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

Head office and facilities:

Via **Arturo Gilardoni**, 1 - 23826 Mandello del Lario (LC) - Italy
tel. (+39) 0341-705.111 - fax (+39) 0341-735.046
e-mail: gx@gilardoni.it - www.gilardoni.it

Export department:

tel. (+39) 0341-705.311 - 0341-705.281 e-mail: secur.export@gilardoni.it

Legal headquarters:

Piazza Luigi di Savoia, 28 - 20124 Milano - tel. (+39) 02-669.05.38 - 02-669.07.37

Branch:

Via dei Foscari, 7 - 00162 Roma

tel. (+39) 06-442.907.17 - 06-442.912.38 - fax (+39) 06-442.912.94



Dimensions in mm