

# FEP ME 975



## TECHNICAL SPECIFICATIONS

### Inspection unit

- Dimensions: 2980mm (L) x 1242mm (W) x 1800mm (H)
- Weight: 800kg
- Tunnel size: 906mm (W) x 758mm (H)
- Conveyor belt height: 371mm (adjustable)
- Belt speed: 0.2m/s
- Maximum bag weight: 200kg
- 1 LCD widescreen monitor
- Power supply: Monophase 230VAC +/- 10%
- Frequency: 50/60Hz +/- 3Hz
- Power absorption: 2kVA
- Duty cycle: 100%

### X-Ray generator

- High frequency monobloc
- Tube voltage: 150kV
- Tube current: 1mA
- Beam orientation: Diagonal downwards

### Environmental compliance

- Operational temperatures: 0°C to 40°C
- Storage temperature: -20°C to +60°C
- Humidity: 95% without condensation
- Protection class: IP22
- Noise level: < 60dB

### Detection characteristics

- Resolution: 38 AWG guaranteed, 41 AWG typical
- Penetration: 28mm steel guaranteed, 32mm steel typical
- 1664 detectors in two "L"-shaped rows of photodiodes

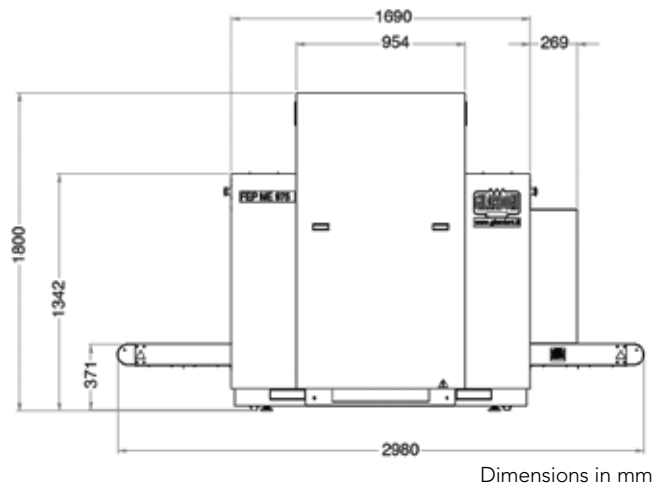
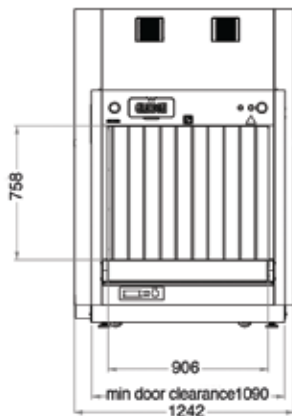
### Health and Safety

- 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 image archiving (AIMS)
- AIMS Networking
- Modular roller tables
- Remote workstation(s)
- UPS

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



Dimensions in mm

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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