

METRIX NDT – X-ray components, systems and solutions

EZ-Access Cabinet

Flexible Radiologically Shielded Cabinet



EZ-ACCESS CABINET

A flexible fully interlocked and IRR19 compliant x-ray workspace designed for research, development and NDT facilities.

The EZ-Access provides a flexible, easy to access, radiologically shielded work space. The cabinet can be supplied as a simple empty interlocked enclosure or Metrix can pre-install existing, or new custom designed, equipment and systems.

The novel door arrangement of the cabinet allows the user maximum access to the internal area whilst ensuring complete radiologically interlocked safety via its integral IRR17 compliant safety circuit and warning system.

All systems have a generous 1m x 1m (HxD) working area in 1m, 2m or 3m widths. The internal configuration can be customised to the users specific requirements:

- As standard the cabinet is rated up to 170kVp, but with customised shielding, equipment rated up to 225kVp can also be accommodated.
- Integrated internal mains power outlets - both interlocked and non-interlocked.
- 24Vdc terminals and earth terminal block.
- Pre-wired pass through communications ports including 2x each GigE, USB and RS232 (Switch selectable Null Modem option).
- Internal integrated Interlock and X-ray ON ports (can be customised to user specific equipment).

Pre-installed Options

- Optical Breadboard (various sizes available)
- X-ray generators, detectors and motion stages
- Control software (MetView) for common interface for the control of generators, detectors and motion stages)
- Custom turnkey systems (micro-CT, irradiation facilities, Linescan imaging heads, Flat panels etc)



2m & 3m versions of the EZ-Access Cabinet

UNDERSTANDING YOUR NEEDS AND PROVIDING SOLUTIONS

With over 30 years experience in the x-ray and industrial inspection sectors, the team at Metrix NDT works with customers to find the right solution at the best price to meet their specific need.

For further information:

Call us today: +44 (0) 1509 266 701

Email: info@metrixndt.com

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Specifications of Standard 2m wide EZ-Access

Physical

- Internal Dimensions: 1,000mm (H) x 1,000mm (D) x 2,000mm (W)
- External Dimensions: 1,900mm(H) x 1,210mm(D) x 2,375mm(W)
(Excl E-Stops & warning lamps)
- Weight: 1.6 tonnes

Radiation / Safety

- Radiation Rating: 170kVp @ 1mA (onto "Blast" wall)
- Lamps: Tri-colour - Ready (Green), X-rays Imminent (Yellow) & X-rays ON (Red)
- Safety: Conforms to IRR17 & CE

Electrical

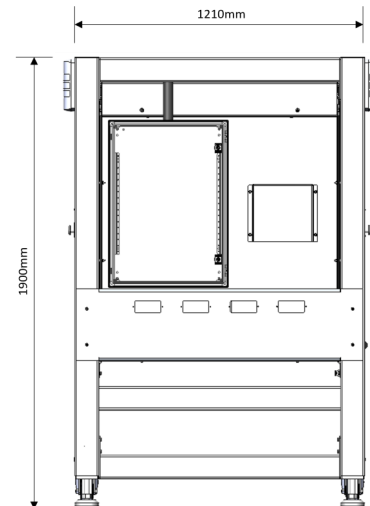
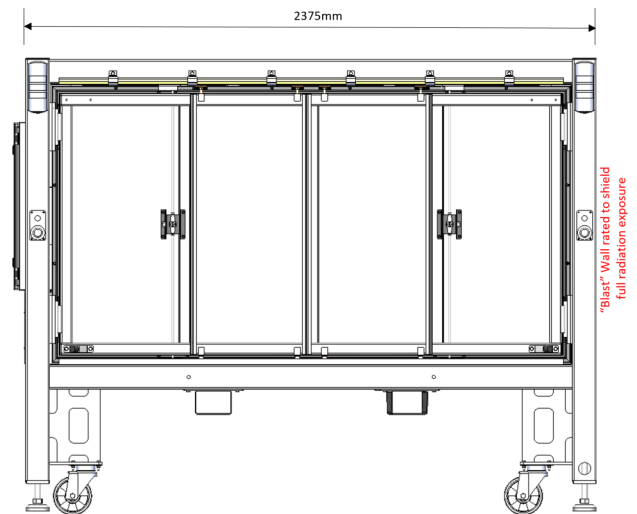
- Internal Power Outlets: 2 x 220Vac, 6A Interlocked
2 x 220Vac, 6A non-interlocked
1 x 24dc, 5A non-interlocked

Comms

- RS232: 2-off with selectable "Null-Modem"
- GigE: 2-off
- USB: 2-off

Optional

- Optical Breadboard
- X-ray generators (Monobloc, microfocus, high power, etc)
- X-ray detectors
 - ⇒ Flat panel 50µm - 200µm pixel pitch up to 43cm x 43cm
 - ⇒ Line Scan 200µm - 2.5mm pixel pitch
- Motion Stages
- Turn-key systems (eg micro-CT, irradiation facilities, imaging stations, etc)
- Integrated MetView software to control, acquire, process, and interpret x-ray image data and acquisition systems.



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