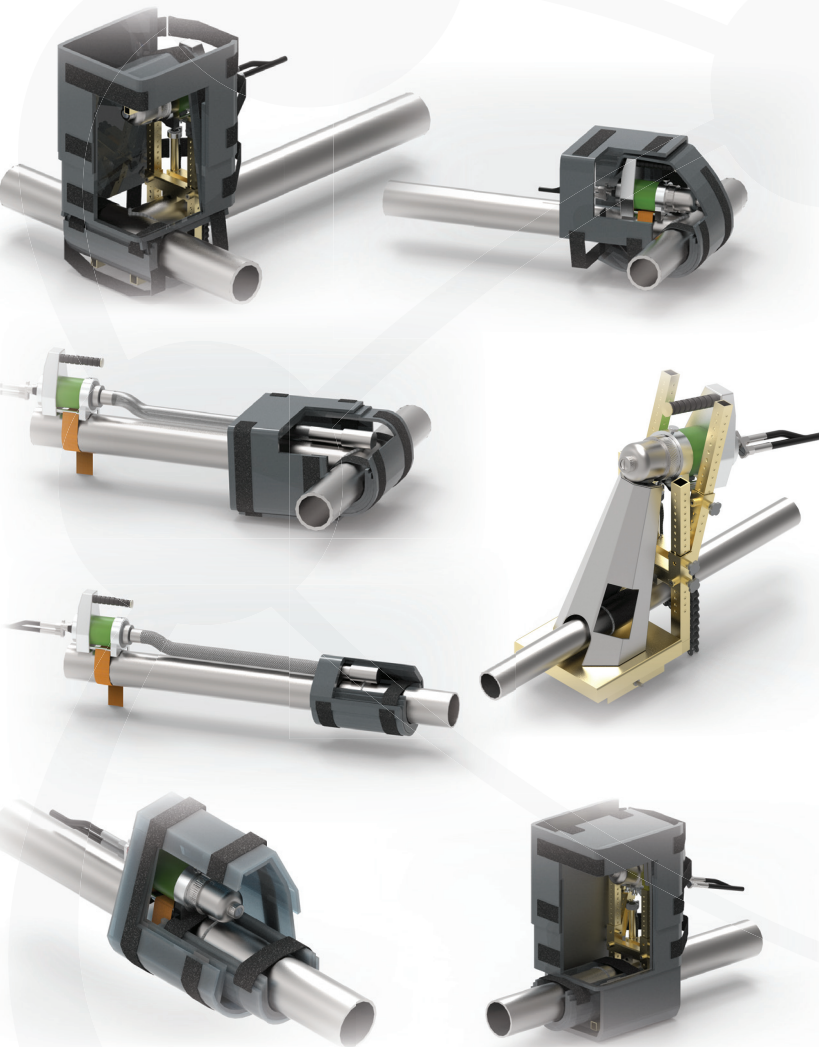




CPR is "The conducting of radiography in close proximity to authorized radiation workers, members of the public or radiation sensitive monitoring devices in such a way as to ensure continuous operations".

CPR is achieved by utilizing a system of X-ray or Gamma emitting devices incorporating specific collimation with rigid and / or flexible shielding to reduce the Primary Beam and scattered radiation to safe levels at the desired barrier distance.

Technical Specifications



Features

- Safe working distance can be reduced to 1m* radius
- Light weight portable Se-75 Gamma-Ray Projector
- Improved radiographic productivity (24 hour production)*
- Versatile (adaptable for contact or ellipse shots)
- Flexible Radiation Shielding Mats
- Easily adjustable Clamps & Stands

* Depending on source strength and number of Shielding Mats used.
 * As you can do radiography while other factory functions are happening in the area.

Exertus Selen Circa 80/1 (Standard)

Exertus Selen Circa 80 Isotope Projector
Basic Construction Standards: ISO 3999 compliant
Isotopes: <ul style="list-style-type: none"> • Se-75 under special form • Se-75 half life: 119.8 days
Activity: Se-75: 2.96TBq (80Ci)
Surface Dose Rate: Max 2mSv/h
Total Weight: 8.8kg (19.4lb)
Tungsten Weight: 5kg (11lb)
Dimensions (L x W x H): 203 x 110 x 191mm

CP80 Collimator

Weight	10kg
Attenuation	Se-75: 0.007
Half Value Layers	Se-75: 7.2
Beam Size	38° Conical, side throw
Material Type	Tungsten Heavy Alloy
Aperture	CP80 Aperture 11 x 11mm CP80 Aperture 11 x 37mm CP80 Aperture 18 x 18mm CP80 Aperture 20 x 32mm

Shielding Mats / Guide Tubes

Dimensions	915 x 305 x 9.5mm / 305 x 305 x 12.7 mm
Shielding	Equivalent to 3.3 mm Pb
Weight	10.8kg (approx) or 4kg
Temperature Range	-85°C to 200°C
Flexible Tungsten Shielding Guide Tube	500mm

Optional Accessories

- See detailed kit options
- Customised lengths of Shielded Guide Tubes
- Custom moulded shielding can be made to requirements
- Laser Pointer to determine focal point