

# Exertus®

# Fortes

The **EXERTUS® FORTES** projector has the ability to accept Iridium 192 sources or Selenium 75 sources.

This projector incorporates design and safety features that make it flexible, compact and lightweight. This Projector is lighter than most of its competitors. It incorporates an improved source channel, based on a new helicoidal design, which makes maintenance easier.



The helicoidal design also allows smoother movement of the source assembly inside the device, making it easier for the operator and improving safety.

The Exertus Fortes® is ISO3999:2004 compliant.

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# Exertus<sup>®</sup> Fortes



## TECHNICAL SPECIFICATIONS

<b>Basic Construction Standards</b>	ISO 3999: 2004 Compliant
<b>Isotopes</b>	Ir-192 or Se-75 under special form Ir-192 half-life: 73.8 days Se-75 half-life: 119.8 days
<b>ACTIVITY</b>	
<b>Ir-192</b>	4.44TBq (120Ci)
<b>Se-75</b>	4.44TBq (120Ci)
<b>Surface Dose Rate</b>	Max. 2mSv/h
<b>Total Weight</b>	23kg (50.7 lb)
<b>DU Weight</b>	14kg (30.9 lb)
<b>DU Activity</b>	7.4mCi (273MBq)
<b>DIMENSIONS WITH JACKET</b>	
<b>Length</b>	310mm (12.2")
<b>Width</b>	155mm (6.1")
<b>Height</b>	230mm (9.1")
<b>MATERIALS USED</b>	
<b>Outer Shell</b>	Stainless 304
<b>Shielding</b>	Depleted Uranium
<b>Labyrinth</b>	Tungsten Heavy Alloy
<b>Jacket</b>	Polyurethane
<b>TEMPERATURE RANGE &amp; HUMIDITY</b>	
<b>Temperature Range</b>	-45°C up to +70°C
<b>Relative Ambient Air Humidity</b>	93% at 35°C

## FEATURES

- ▶ Accepts Ir-192 or Se-75
- ▶ Tungsten source channel and helicoidal labyrinth
- ▶ Just 23kg with jacket
- ▶ Compact design
- ▶ User friendly operation
- ▶ 2 Colour signal safety indicator
- ▶ Automatic source assembly locking mechanism
- ▶ Projector can be disconnected and locked only with source in safe position



Source Assembly in secured position



Source Assembly locking mechanism is released and ready to expose

## OPTIONAL ACCESSORIES

- ▶ Reel Type or pistol grip remote controls- lengths: 5m, 10m, 15m
- ▶ Guide tubes- lengths: 2m, 3m, 5m
- ▶ Source terminals
- ▶ Collimators- Various Directional and Panoramic
- ▶ Standard and Industrial packages available
- ▶ GammaSpoor GPS Tracking System ready

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