



XRS-4 X-RAY SOURCE

– HIGHLY PORTABLE – COST EFFECTIVE – CONVENIENT – SAFE

Golden Engineering has recently released the XRS-4 light duty pulsed-ray machine. Pulsed X-rays generate a high intensity X-ray energy burst (pulse) in 15 nanoseconds. The output dose of each pulse is approximately 5mR measured 30cms in front of the X-ray machine. Maximum penetration is close to 50mm of steel using a digital imaging system.

Pulsed X-ray technology has inherent advantages for field operation compared to conventional constant potential X-ray machines or radioactive sources.

HIGHLY PORTABLE

- Extremely small PORTABLE unit with significant penetrating capability
- Pulsed technology generates high energy output voltage using minimal input voltage
- Features DeWalt® battery pack, electronic control module, and high voltage tube in a single package design
- Weighs just 10.5 kgs and generates 370KVP output voltage

COST EFFECTIVE

- Costs less than alternative technologies
- Minimal regulative costs compared to a radioactive source
- Significant savings in time and labour

CONVENIENT

- Simple user interface with variable pulse setting
- Compatible with CR, DR digital imaging and high speed film using a fluorescent screen
- Easily attaches to a tripod or custom fixture

SAFE

- Can be operated during normal business hours without evacuating an entire facility
- Minimal side and rear leakage means operator stand-off distance is 20 feet behind the unit
- Contains no hazardous material, making transportation hassle-free

SPECIFICATIONS:

Size (including battery pack)	49.5cm x 11.5cm x 21.6cm
Weight (including battery pack)	10.5 kg
Output dose	4.0 mR/pulse min, measured 30 cm from source
Pulse rate	10 pulses per second
X-ray source size	3mm
Maximum photon energy	370 KVP
X-ray pulse width	15 nanoseconds
X-ray beam angle	40 degrees
Current draw	17 amps
Power supply	DeWalt® 18V, removable, rechargeable
Battery recharge time	1 hour with standard DeWalt charger
Maximum duty cycle	200 pulses per 4 minutes
Warm-up	None Required
Warranty	1 year Limited Warranty



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