NDT PELTEC SERVICES

X-SERIES PRODUCT

PELTEC 3200 X-SERIES

INDUSTRIAL DESIGNED FOR NDT

FEATURES

COMPACT 320KV PRODUCING SOLID STATE X-RAY GENERATING SYSTEM.

POWER DRIVEN X-RAY TUBE POSITIONAL WITH UP AND DOWN AXIS AND EXTEND AXIS.

BUILT IN AREA ALARM PACKAGE WITH AUDIBLE PRE-WARNING

HIGHLY STABILIZED FREQUENCY WITH VERY LOW RIPPLE RATE PRODUCING SHARPER IMAGING

INDUSTRIAL DESIGNED FOR THE NDT MARKET.

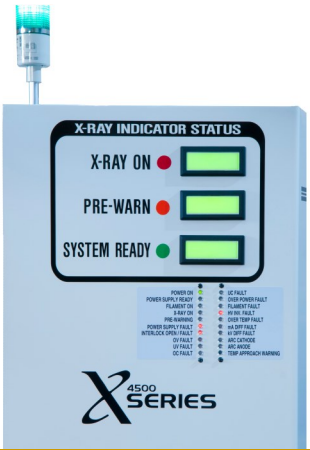
SYSTEMS AVAILABLE:

450KV ● 320KV ● 225KV ● 160KV

SPECIAL POINTS OF INTEREST:

- Motorized Tube position axis's reaching 104 inches down to 20 inches
- Built in Area alarm package with audible alarm during pre-warning
- Self diagnosis indicators presenting status of the equipment

PLUG AND PLAY DESIGN FOR THE MODERN NDT DEPARTMENT



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PELTEC 3200 X-SERIES

PRODUCT DESCRIPTION

Peltec 3200 X-series Industrial X-ray compact system package was designed for vault use for the NDT industry. The unit is designed to produce 320 KV with a max output of 4500 watts. The Unit integrates a solid state power supply that is oil and gas free. The highly stabilized generating device produces a consistent 25Khz output with low ripple/noise rate which delivers a more constant beam which produces a better image on CR, DR, and Film median. The system also features an electric tube positional which allows the end-user to adjust the tube height to desired position. The adjustable tube is capable of achieving a maximum height of 104 inches down to 20 Inches. The tube holder also has the capabilities to rotate the tube 180 degrees for angle shots.

The system can operate in a vertical or horizontal beam direction. Peltec X-series product also incorporate a full compliance area alarm package that is required for vault operation.

Peltec X-series also has a comprehensive fault diagnostic circuitry and Arc sense devices which protects the system from tube arcs.

Tube positional Controller

Remote Safety Operational controller

PELTEC 3200 X SERIES SPECIFACTIONS

Input Voltage:

180—164Vac, 47-63 hertz, power factor corrected input to ≥ 0.98

Input Current:

<25 amps

Output polarity:

Bipolar

Output current:

0-30ma

Output Voltage:

Load: ± 0.05% of rated ouput voltage for a full load charge

Line: ± 0.05% of rated output volatge over specified input range

Ripple(P-P) : < 0.1%

Accuracy: 0.25%

Stability: ≤ 0.1% per 8 hours, after 1 hour warm up

Temperature Coefficient: 50ppm/°C

Emission Current:

Load: ±0.05% of ratted output current for a change from 30% to 100% of rated

Output volatge:

Line: ± 0.05% of rated current over specified input voltage range

Accuracy: 0.25%

Stability: 100ppm/°C

Filament:

Output: 0-6 amps at a compliance of 10Vdc, Maximum

Dual Focal Spot:

Small and large, selectable via interface signal

Configuration:

DC filament drive. Closed loop emission control regulates filament setting to provide desired x-ray tube emission current

Control Interface:

System can be operated with a hardware controller or via computer.

Hardware Controller:

Remote Interface:

Ethernet utilizing a VB GUI

Operating Temperature:

0°C to 50°C

Storage Teperature:

-40°C to +85°C

Humidity:

20% to 85% RH, non-condensing

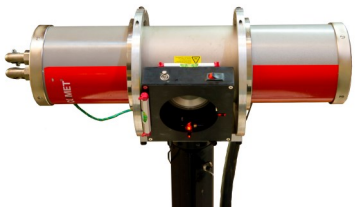
Cooling Power supply:

Forced Air

Cooling tube supply:

Industrial oil chiller

Cross Hair Laser Pointer



External Chiller for cooling the oil in x-ray tube.. Chiller features quick lock connectors