

DXR250

Direct Radiography

The DXR250 provides a large active area, enabling easy film replacement. The DXR250 utilizes a CsI scintillator with optimized noise and resolution parameters to provide premium imaging over a wide range of parts and material types. GE's **Inspection Technologies** business detectors incorporate a temperature controller, allowing for longer calibration intervals and quick consistent images.

Features and Benefits

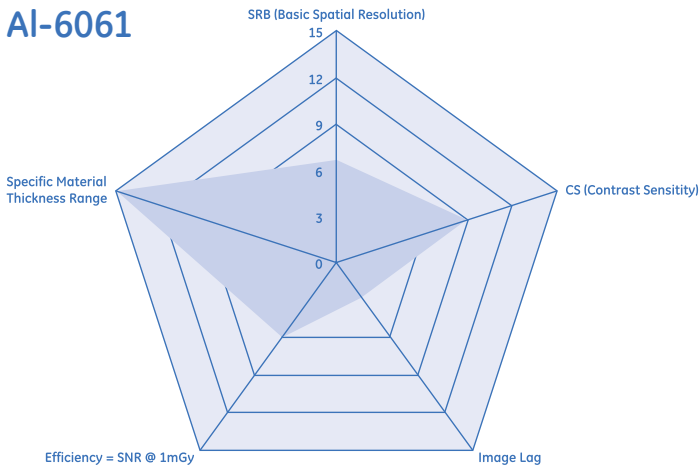
- Large imaging area
- CsI scintillator for premium image quality
- Temperature controller for stable offsets over longer periods, enabling more consistent imaging and fewer calibrations

Applications

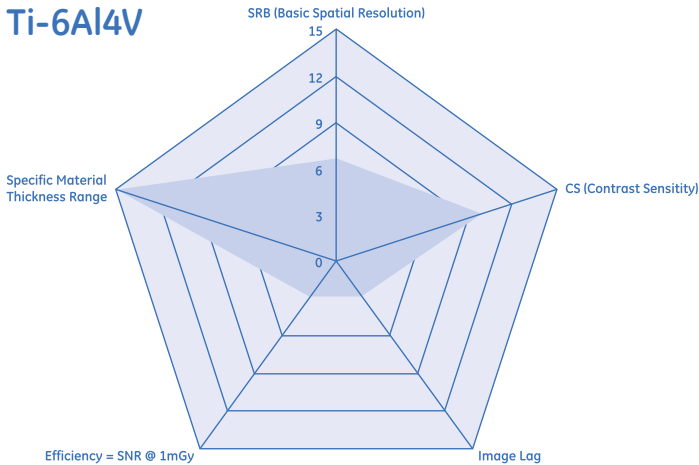
- Film replacement
- Pipe manufacturing
- Large castings
- Integrated manipulation systems



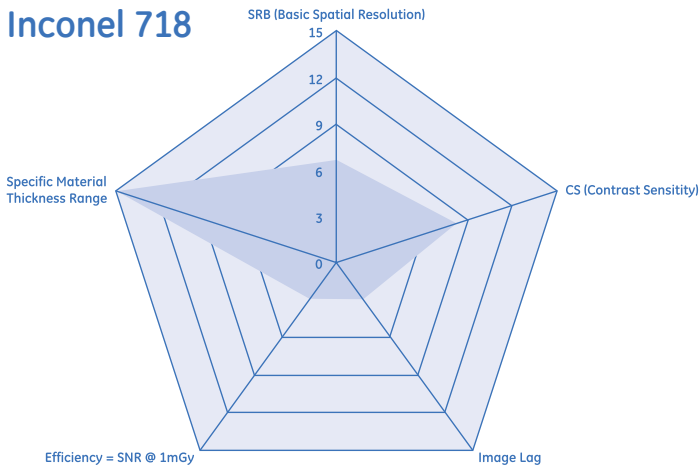
Al-6061



Ti-6Al4V



Inconel 718



Detector Characterization Charts

The detector characterization charts provided on the left are completed in accordance to ASTM E2597-07 Standard Practice for the Manufacturing Characterization of Digital Detector Arrays. This standard allows for the direct comparison of DDAs by ensuring data is collected and reported in a consistent and specified manner. The standard also enables guidance for the appropriate pairings of detectors with applications.

Pixels are identified as bad per one or more of the seven definitions described in the ASTM E2597-07 document. The pixels marked as bad will be corrected through GE's software utilizing data collected from good neighborhood pixels.

Technical Specifications

Detector Specifications

Flat Panel Type	Amorphous Silicon
Scintillator Material	CsI
Active Area (approx.)	410 x 410 mm (16 x 16 in)
Image Formate	2048 x 2048
Pixel Pitch	200µm
A/D Conversion	14 bits
Max. Frame Rate	7.5 fps or 3.0 fps
Interface	Fiber Optic or Gigabit Ethernet
Dynamic Range	10,000:1
Dimensions	562 x 454 x 52.5mm
Weight	22 kg (49 lb)
Operating Temperature	10° to 35° C (50° to 95° F)
Operating Humidity	10-90% non-condensing

Power Supply

Voltage	100-240V, 50-60Hz
UT Output Connector	163 x 287 x 56 mm (6 x 11 x 2 in)
Weight	3 kg (7 lb)

Temperature Controller

Voltage	100-240V, 50-60Hz
Dimensions	220 x 286 x 382 mm (9 x 11 x 15 in)
Weight	8 kg (19 lb)



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GEIT-40047EN (08/10)