GE
Measurement & Control

Enabling productivity – from film to digital
Fast, reliable and easy high quality casting inspection

Seifert x|blade

User-friendly X-ray inspection system, designed with casting parts in mind, featuring premium image quality and high-volume throughput

Key features & benefits

- Customizable imaging chain, optimized using a combination of basic spatial resolution and focal spot size to satisfy image quality requirements or minimize number of exposures
- Automated inspection plan with 6-axes robotic positioning enabling multiple views without human interaction
- Endurance scintillator technology to eliminate detector ghosting and lag
- Turn-key system with small footprint, leveraging components and concepts from established platforms
- DICONDE compliant solution with several options for data storage and retention utilizing querying capabilities by any DICONDE tagged field

GE imagination at work

Technical Specifications & Configurations

Energy Rating	225 kV
Cabinet Size (W x D x H)	100" x 67" x 96" (2540 mm x 1700 mm x 2450 mm)
Weight	10,582 lbs (4800 kg)
Maximum Inspection Volume	16" lengths with Ø 6" (400 mm lengths with Ø 150 mm)
Minimum Inspection Volume	0.8" lengths with Ø 0.8" (20 mm lengths with Ø 20 mm)
Maximum Inspection Weight	17.6 lbs (8 kg)
FDD (Focus-Detector-Distance)	39" (1000 mm)
Radiation Safety	
Full protection system	The radiation safety cabinet is a full protective installation without type approval according to the German RöV. It complies with French NFC 74 100 and the US Performance Standard 21 CFR Subchapter J. For operation, other official licenses may be necessary
Leakage radiation	radiation leakage rate: < 1.0 µSv/h measured 4" (100 mm) from cabinet wall
Additional safety requirements	the system comply with all necessary safety requirements (e.g. MAI, FDA, OSHA, ANSI/RIA, DIN, CE and so on)

Workflow Enhancing Options

- Optimize image viewing with a single click using GE's Flash! Filter, a dynamically adjusting algorithm proving consistent image presentation
- Utilize digital reference images with contrast locking mechanism software tool for detect classification per ASTM standards
- Automate part identification with optical reader and recognition system integrated into inspection workflow

www.ge-mcs.com

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