

DCVD-e

Digital Cerenkov Viewing Device

Spent Nuclear Fuel Imaging System

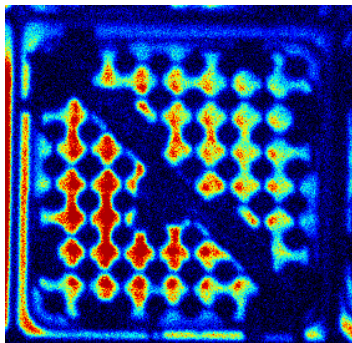
Features and Benefits

- Easily verify fuel/non-fuel
- Computer monitor for easy, collaborative viewing
- Usable from host bridge railings and fuelling machines
- Non-intrusive, works above the pond
- Fatigue-free operation
- Portable, with five minute setup
- Colour-assisted display to enhance fuel features
- Laser pointer to reference location in the pond
- Battery or AC operation
- Captures images to USB memory drive
- Zoom lens suitable for all fuel types
- Compatible with ambient lighting
- High resolution images

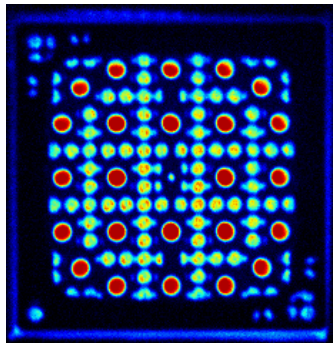


Applications

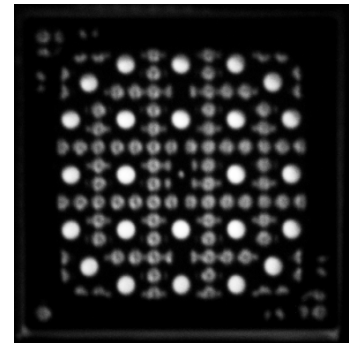
- Verification and inspection of spent nuclear fuel
- Identification of irradiated fuel items and non-fuel items
- Verification of spent fuel with very low burn-up or very long cooling times
- Detection of missing pins and defects
- Visible and Cerenkov imaging of fuel/non-fuel items



BWR Fuel



PWR Fuel



PWR Fuel

DCVD-e

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The DCVD-e is the newest generation device for non-intrusive inspection and verification of spent nuclear fuel. The DCVD-e is a simple and highly effective instrument that offers real-time display and capture of digital images for analysis and comparison. The DCVD-e is more sensitive and has a higher resolution than other systems, which means it can verify spent fuel cooled for more than 40 years. The DCVD-e can detect missing rods in assemblies to expose whether materials may have been removed. Images are displayed in real-time to enable inspectors to verify spent fuel immediately, and can also be stored for future retrieval and use.

- **Pond inventories**
- **Partial defects**
- **Very long-cooled fuel**



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you've
been missing...

- ☀ Toll free: 1-866-300-9799
- ☀ Telephone: 1-204-753-5190
- ☀ Email: sales@channelsystems.ca
- ☀ Web: www.channelsystems.ca