

Computed Radiography

CR 100

Desktop Computed Radiography Scanner

The CR 100 is a compact computed radiography scanner that fits conveniently on any desk or tabletop. It is perfect for applications that require special sizes of phosphor plates, bending of phosphor plates, shooting an array of phosphor plates with overlapping, and any application that precludes the use of rigid, fixed size cassettes.

The CR 100 scanner gives you the unmatched image quality you expect from GE Inspection Technologies. In addition, the CR 100 eliminates the need for cassettes, allowing you to scan a plate of any size from 3 inches up to 14 inches wide.

Two models of the CR 100 scanner are available to fit your needs. The CR 100I accepts plates up to 17 inches long, and has an internal erasing unit. If longer plates must be accommodated, the CR 100 uses an external erasing unit to eliminate the plate length limitation of its sister model. The CR 100E can accept plates as long as your workflow requires.*

Whatever size plate you use, you'll love the special phosphor imaging plates designed exclusively for GE Inspection Technologies. These plates were created specifically for unforgiv-

* Extremely long plates can require additional infrastructure to permit the transport mechanism of the scanner to function properly.



Throughput and flexibility that fits anywhere.

ing NDT environments, and feature a special protective layer that prevents the easy scratching and damage common to the dental plates in some other scanners. Our phosphor plates are available in a variety of sensitivities to match your throughput and image quality requirements.

GE software is specifically designed for NDT applications, so the menus are intuitive and the fields are recognizable. The software is compatible with other NDT modalities besides computed radiography, such as film digitization and digital radiography. GE CR Systems includes powerful tools for image enhancement and defect recognition. And integrated software tools permit accurate and fast measurement of remaining wall thick-

ness in both tangential and penetrating directions.

Thanks to these powerful features and tools, the CR 100 is the most versatile desktop scanner available for computed radiography. It is one of a growing number of solutions from GE Inspection Technologies that are helping to make nondestructive inspection faster and more productive than ever before.

To learn more about these and other solutions, or to find out about the world-class service and support afforded every GE Inspection Technologies customer, please contact us at www.GEInspectionTechnologies.com. You'll find that no one puts as much experience and expertise at your fingertips as GE Inspection Technologies.



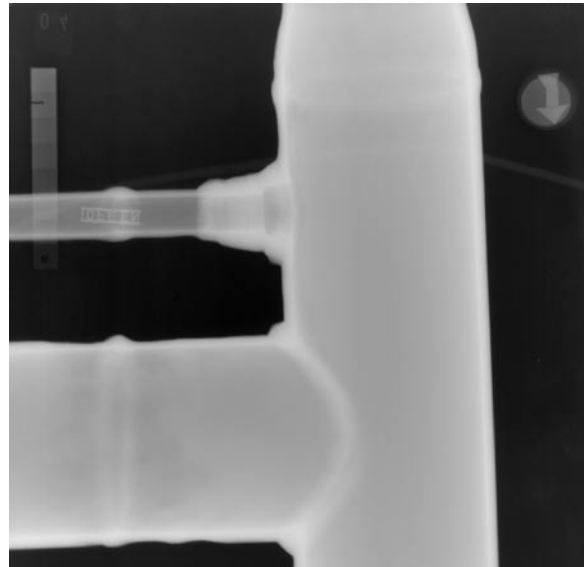
Features

- Small footprint lets you put this tabletop scanner anywhere
- High-speed scanning ensures high throughput in any field application
- Optional external erasure unit allows longer plate lengths to be scanned
- Variable resolution offers best possible image quality and throughput for every application
- Specifically designed plates and cassettes for plate protection and longer life
- NDT-specific software is intuitive and compatible with all existing modalities

Technical Specifications

Pixel Size	100 µm
Laser spot size	87 µm
Bit depth	12 bit (log)
Dimensions	21" x 27" (55 x 69 cm)
Weight	38.6 kg (CR 100 E)
Operating temperature	15 - 35 °C
Humidity	20 - 75%
Plate format	up to 14" width

Power supply	
CR 100	100 - 120 V, 1.5 A 220 - 240 V, 1.0 A
Erasure unit	100 - 120 V, 4.0 A 220 - 240 V, 2.0 A



Nr.	Matel	Meth	Ref.D	Meas.D	Dp	Di	A1	A2	A3	WTst	WTt	WTm	Toler
1		CSG			20.0		800	0	820	8.0	8.3		0.22
2		CSG			20.0		800	0	820	8.0	7.6		0.20
3		PEN								8.0		1.2	0.18

*Efficient and accurate Wall Thickness Measurement with CR 100.
One of the many applications where CR 100 is successfully used.*