CRxFlex™

Boost your productivity and precision.
Powered by Flash!

Accelerate your asset inspections

As the frequency and diversity of asset inspections increase, the challenges do too. Waygate Technologies strives to help you meet today's productivity, compliance, and financial goals with powerful, versatile, and reliable computed radiography (CR) solutions. Computed radiography provides greater accuracy than traditional film at increased speeds - delivering greater value over time. Our proven solutions and expert global support systems are crafted to help you keep up with increasing demands, today and tomorrow.

Meet the CRxFlex

Computed Radiography Scanner

The CRxFlex is a multipurpose workhorse for a wide range of applications. Designed specifically for non-destructive testing (NDT), it delivers better efficiency, performance, throughput, and image quality than any other system in today's NDT market. All of this at lower radiation dose requirement for both isotope and X-ray imaging.

Due to high read-out efficiency, this field-proven scanner boasts shorter exposure times, excellent image quality, improved signal to noise ratio (SNR), and basic spatial resolution (SRb). Upgraded core technology offers a variety of scan resolutions from 25 micron to 200 micron, covering all NDT application segments.

This results in extreme high throughput for oil and gas applications like CUI, ISI and erosion/corrosion inspections, while also providing the highest image quality in order to cover the most stringent weld standards.

Like all available Waygate Technologies CR scanners, the CRxFlex solution is DICONDE-compliant for image acquisition, analysis, communication and data management.

Meet high standards

The CRxFlex provides image quality with excellent IQI sensitivity due to its specially designed optics, its 25 to 200 micron pixel sampling resolution, and its 30 micron laser spot. This outstanding image quality is supported by a BAM certificate stating IP Class 1/40, with a CEN speed of 2500 according to EN14784-1:2005 and ISO 16371-1:2011. It also achieves performance level II at an ISO speed of 3200, according to ASTM E2446-15. Compared to other CR vendors, exposure time reduction between factor 4 and 20 can be achieved, while still complying to the most stringent Standards.

BAM

Oil and gas
- Erosion
- Corrosion
- Weld inspections

Aerospace
- Turbine blades
- Structural castings
- On-wing
- Critical weld inspection

Power generation
- Investment castings
- Asset integrity

Scan confidently with comprehensive solutions

Our proprietary CR solutions are specifically designed with productivity and reliability in mind. To ensure the highest quality and safety standards, each product is rigorously tested by trained professionals.
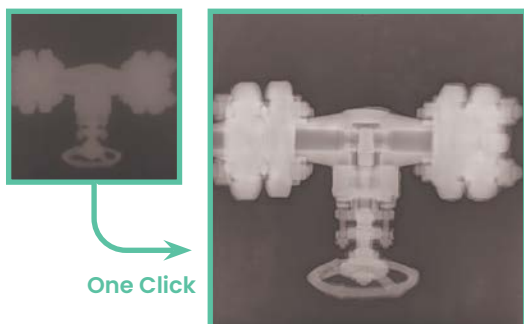
Rhythm® Software

Our powerful Rhythm software lets you acquire, review, report, and archive inspection data with ease. The DICONDE-compliant platform also permits image enhancement and data sharing to improve productivity and identification of defect indications. Rhythm Enterprise Archive offers a solid solution for DICONDE/ ASTM-compliant long-term data storage in enterprise networks or through cloud services.

Powered by Flash! intelligent image processing technology

Combining 25+ years of experience and patents with next-generation technology, Flash! automatically, quickly and consistently optimizes your digital radiographs.

You get exquisite image quality and comfortable reading, with a faster, smoother workflow that enhances your productivity, maximizes your resources and gives your customers peace of mind.

One Click

FLASH!
Leading Imaging Technology

Sharp

Innovative, proven and leading image processing technology offering high image quality and consistent images, regardless of the operator.

Smart

Clear vision of both high- and low-density areas, with automatically minimized noise and maximized details.

Simple

Easy to learn and use, without specialized training. Easier reading and confident reviewing are combined with simpler usage, as you view all the layers in a glance without manual adjustments. Flash! is operator independent, automatically adjusting to variations in density, materials, geometry, radiation quality, etc. Operator and inspector alike save time and effort, giving you more from your human and material resources.

Experience greater efficiency

As the best-in-class provider of CR technologies for over 20 years, Waygate Technologies combines a proven history with innovative technology. We design our computed radiography systems and tools upon customer demand, to offer the best results possible empowering you with everything you need to operate more efficiently.

Fast

A high dynamic range, strong SNR, and faster set up, scanning and processing times result in streamlined workflows and more efficient inspections.

An extremely wide latitude allows for a broad range of thicknesses to be inspected in one single exposure, meaning fewer overall exposures and re-takes for higher component throughput. Using Flash!™ also enables quick decisions without the need for any window-level view of the image.

Reliable

With a limited tabletop footprint, this robust - made in Germany - scanner thrives in even the toughest NDT environments.
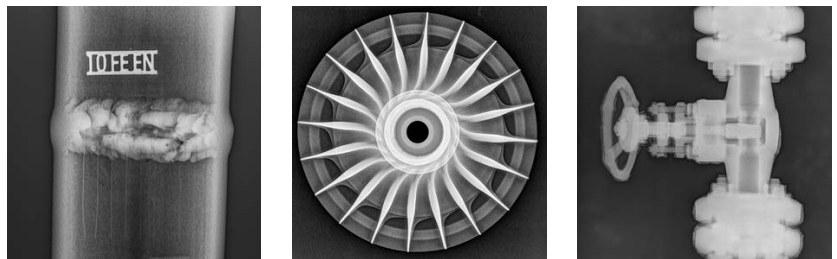
It reduces downtime with long mean-times-between-failures (MTBF) and maintenance (MTBM). And its state-of-the-art, horizontal transport system has limited contact with the imaging plate during the scanning process for minimal damage or wear. A modular internal structure allows for easy servicing and flexible use.

Accurate

With specially designed optics, lasers, and best-in-class components, our scanners provide image quality with excellent IQI sensitivity.

It allows for images to be digitally enhanced for clarity during diagnosis. Images can also be electronically shared for second opinions, if unsure of the determination. Software and optional tools guarantee stable, operator-independent results to reduce risk of error.

Imaging plates

We offer a wide variety of different types and sizes of phosphor imaging plates based on your specific needs, all to ensure fewer retakes, high read-out efficiency, for reduced doses, long lifetime, and high image quality.

Cassettes

Lightweight, configurable, and easy to use, our cassettes provide the durability needed to withstand harsh NDT environments.

CRˣFlex powered by Flash!™

Contact your local sales representative for a demo.

Specifications

Principle	High performance table-top daylight cassette based scanner	
Eraser	inline	
Resolution (µm)	25, 40, 50, 100, 200	
SRb (µm)	40 (BAM certified)	
CEN / ISO speed	2500 / 3200	
Throughput	35x43 @ lowest resolution	60/hr
	35x43 @ highest resolution	15/hr
Time to image	35x43 @ lowest resolution	15s
	35x43 @ highest resolution	115s
Dimensions	W x D x H (scanner only)	693 mm x 701 mm x 546 mm (27.3" x 27.6" x 21.5")
	Weight	72 kg (158 lbs)
Electrical data	Voltage	100 - 240 V AC, autosensing
	Frequency	50/60 Hz
	Power consumption	120 W standby, 320 W peak

Pushing the boundaries of digital inspection

At Waygate Technologies, we are committed to creating only the highest quality solutions to significantly improve your inspections.

With comprehensive offerings, we are the proprietary supplier of spare parts, services, and support across the globe—assuring you are never out of reach. And by creating products designed to meet the challenges of today and tomorrow, our goal is to help you achieve yours.

Contact your local sales representative for a demo

Baker Hughes ≥

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