Phosphor imaging plates

Computed Radiography (CR)

New IPU2
The sharpest IP plate in NDT

New IPS
Improved top coating for a longer IP lifespan

Waygate Technologies offers phosphor imaging plates delivering superior image quality, faster exposure speed and improved lifespan. Combining a high dose-sensitivity with a wide dynamic range, Waygate Technologies' imaging plates, designed exclusively for industrial use, provide higher throughput for substantially reduced asset downtime.

In combination with our CR scanners, the new imaging plates received BAM certification and are accepted by the quality control regulators of leading global organizations in aerospace, oil and gas, power generation, automotive an military segments. They are fine-tuned for harsh industrial optimal performance, and they meet applicable ASTM, ISO and EN highest standard classes.

Our imaging plates are safer, too. With highest ISO speeds, the required image quality can be achieved with much lower radiation doses.

Realize superior image quality

IPU2 imaging plate (release 2021)

Sharper IP plate for non-destructive testing (NDT)

The high sharpness attained with unique phosphor technology for the IPU2 imaging plate, improves your probability of detection. Achieved SNRn values vary between 250 and 400, unmatched in CR technology.

Best for: Highly critical specialized applications such as precision castings and critical welds.

IPS imaging plate (updated 2020)

Longer IP lifespan with improved topcoat

IPS has a high homogeneity structure and fast response time. The resulting image has a very high level of sharpness and signal-to-noise ratio (SNR) performance. Thanks to the improved scratch-resistant coating, the IPS plate has an increased lifespan without compromising its proven image quality.

Best for: Most applications, such as weld inspection, castings, aerospace structures, antiquities, power, transportation, and many more.

IPC2 imaging plate

Short exposure time and proven reliability

This extremely fast imaging plate offers high image quality and good SNR performance due to the high absorption efficiency and excellent homogeneity structure of the storage phosphor.

Best for: Fast rapid screening inspections, such as erosion-corrosion (CUI, ISI, wall thickness measurement) and concrete examination in combination with both X-rays and isotopes.

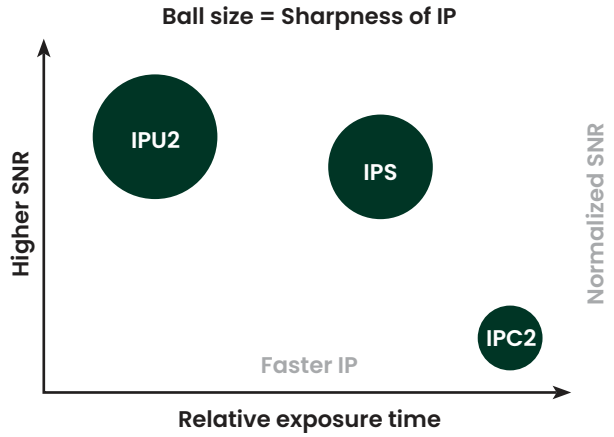
Profit from greater efficiency

Higher throughput

The wide dynamic range of the storage phosphors on our CR plates allows for fewer critical exposure parameters and more freedom in selecting exposure dose.

The wide exposure latitude of these imaging plates enables the visualization of more information with inspection of multiple thickness sections in a single exposure.

Combined, these features tremendously reduce the need for retakes, substantially reduce downtime and/or facilitate a higher throughput.



This graph shows the relative differences in speed, normalised SNR and sharpness of Waygate Technologies' IP plates using X-ray.

Waygate Technologies
a Baker Hughes business

Powered by Flash! intelligent image processing technology

FLASH!
Leading Imaging Technology

Combining more than 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, augments your resources and provides peace of mind.

Sharp

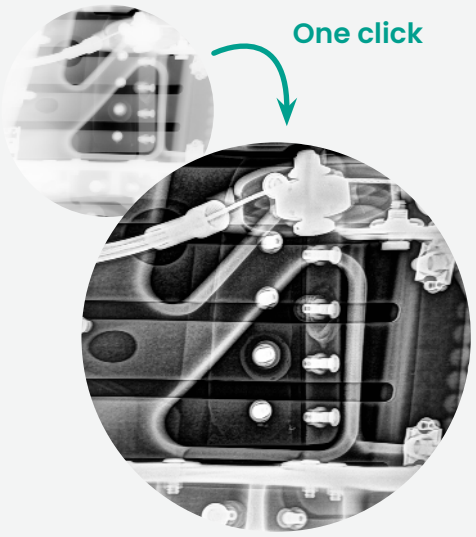
Innovative, proven and leading image processing technology offers high image quality and consistent images, reducing inspector stress during radiographic interpretation.

Smart

Clear vision of both high- and low-density areas is achieved, with reduced noise and improved details.

Simple

No specialized training needed. 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 and radiation quality. Operator and inspector save time and effort, increasing efficiency of inspection resources.



Waygate Technologies, the leader in developing NDT solutions, setting standards of excellence across a wide range of modalities. At the forefront of computed radiography, we continuously strive to improve our product portfolio to meet the increasing, demanding, challenges of the aerospace, power generation, oil-gas, and automotive sectors.

Phosphor imaging plates	
Phosphor composition	BaSrFBrI: Eu2 (typical Luminescence: 390 nm)
Handling	Relative humidity: 35 – 80 %
	Temperature: 10°C – 40°C (50°F – 104°F)
Cleaning	For plate maintenance use only WT screen cleaner

Baker Hughes

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