

ASPIRE *Cristalle*

Better Diagnostic Confidence,

Better Patient Care



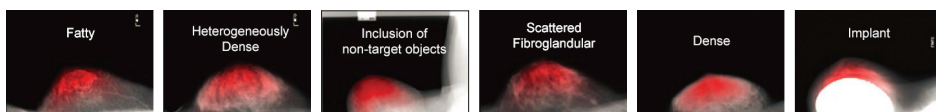
Adaptive technology that delivers brilliant image quality at the lowest dose to support the early detection of breast cancer

Enhance Diagnostic Confidence

With traditional AEC (automatic exposure control) methods, it is sometimes difficult to determine the breast regions of highest density due to patient positioning, breast implants, or other considerations. This can result in over-or under-exposure of the breast, which can compromise image quality.

ASPIRE Cristalle delivers both brilliant image quality and dose efficiency for every breast type with a combination of advanced technologies.

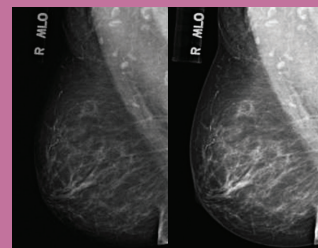
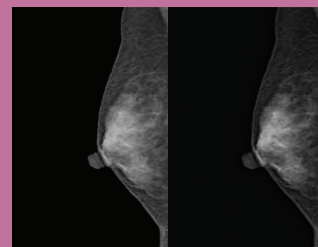
Intelligently recognizes the densest regions of the breast and subsequently optimizes exposure conditions. iAEC (Intelligent Automatic Exposure Control) can differentiate between fibroglandular tissue, adipose tissue, pectoral muscle and implants. Once the densest breast tissue is isolated, iAEC determines the optimal exposure conditions for that particular view.



■ Glandular Tissue localized with iAEC.
Regardless of the difference in composition, iAEC precisely localizes the regions.

Produces consistent image quality across a wide range of patients.

ASPIRE Cristalle incorporates **adaptive image processing** algorithms that automatically adjust to patient breast thickness and composition.



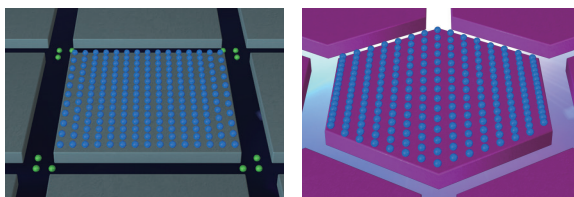
Conventional vs. Adaptive Processing

Corrects for x-ray beam quality.

ISC (Image-based Spectrum Conversion) is a contrast correction algorithm that produces molybdenum image quality, even though the image was acquired with a tungsten target. ISC provides the dose savings of tungsten with the image quality of molybdenum.

Increases detector sensitivity by 20%.

The **HCP (Hexagonal Close Pattern)** detector has hexagonally shaped pixels that yield a more efficient capture of information compared to traditional square pixels, resulting in lower dose to the patient.



Conventional square pixel

ASPIRE Cristalle HCP pixel

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Until there is a cure, early detection is critical to breast cancer survival.

If the cancer is located only in the breast at the time of diagnosis, the average 5-year survival is 99%.* If the cancer has spread to a distant part of the body, the 5-year survival rate is 26%.* Find the disease early and treatment can start earlier.

Image quality is paramount to detecting tumors, especially small ones at the early stage. Many factors can affect the ability to capture diagnostic information through dense breast tissue while striving to keep radiation dose as low as possible.

ASPIRE Cristalle was designed to optimize image acquisition, regardless of breast composition, with a low dose capture so radiologists never have to compromise image quality for low dose.

ASPIRE Cristalle

- **ENHANCES** diagnostic confidence
- **ENSURE** patient comfort with personalized breast care
- **MAXIMIZE** value now and into the future
- **OPTIMIZE** clinical outcomes



* Statistics adapted from the American Cancer Society's publication, Cancer Facts & Figures 2016, and the National Cancer Institute Surveillance Epidemiology and End Results (SEER) database; <http://www.cancer.net/cancer-types/breast-cancer/statistics>

Ensure Patient Comfort with Personalized Breast Care

When it comes to mammography, patient comfort is not just physical. It can be an anxiety-inducing examination, especially if exams need to be repeated or the patient is concerned about radiation exposure.

ASPIRE Cristalle is designed with every aspect of a patient's experience in mind, making it possible to:

Address callback rates

ASPIRE Cristalle's imaging technology provides exceptional imaging of all breast types, increasing diagnostic confidence. This can help alleviate patient anxiety associated with callbacks.

Reduce compression pressure and increase patient comfort

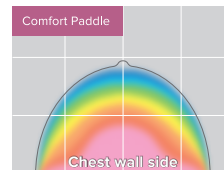
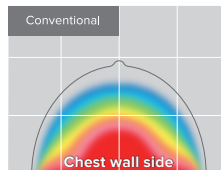
Our unique Comfort Paddle distributes pressure more evenly and gently across the breast compared to conventional paddles, and is available in two sizes.

Improve the patient experience

ASPIRE Cristalle offers soft, ambient lighting for a calming patient environment. The gantry features an optional underarm handle for patient stability, and easily accommodates wheelchair-bound patients. Optional gantry and workstation decorative wraps are also available. All of these special touches of the ASPIRE Cristalle help promote a positive imaging experience.



Slotted 4-way tilting paddle design flexes to the contour of the breast, allowing for gradual and more even compression.

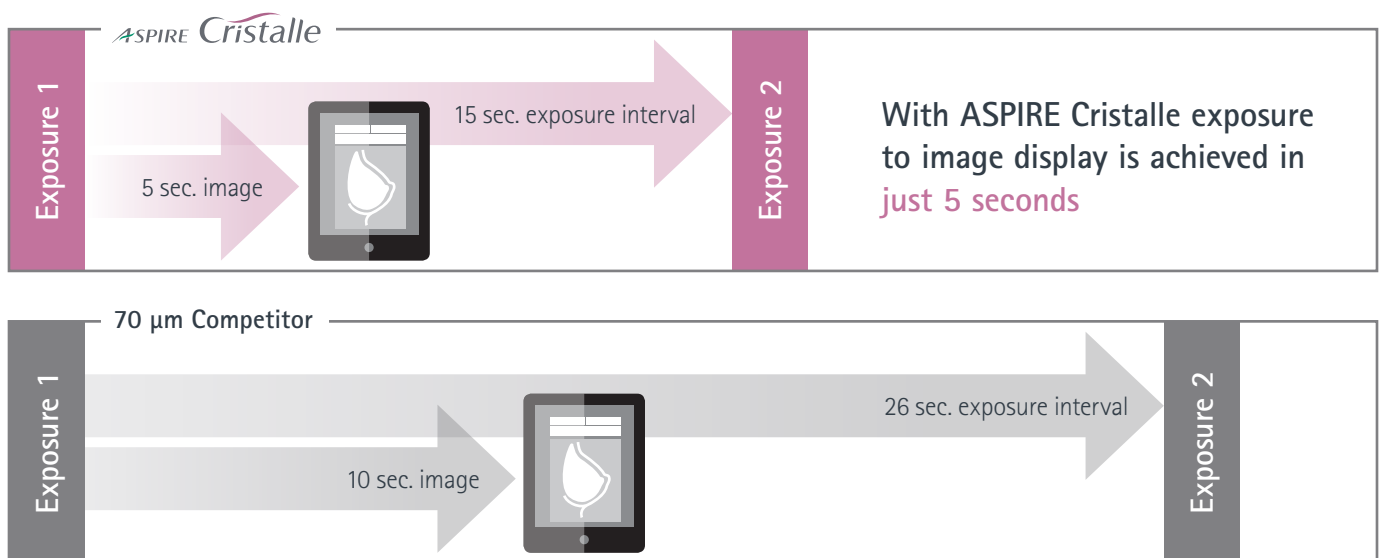


Maximize Value—Now and Into the Future

In today's busy mammography suites, efficiency is tied to productivity and revenue. An easy-to-use, reliable system is important to ensure uptime and cost savings. It also adds to a positive overall patient experience by providing an uninterrupted and efficient exam. This is essential at a time when women are increasingly aware of the choices they have in mammography providers.

ASPIRE Cristalle provides multiple ways to increase productivity and satisfaction.

- **FASTER WORKFLOW.** The user-friendly acquisition workstation with unique patient positioning features enables the technologist to smoothly move through a busy workday. Exposure to image display is achieved in just 5 seconds.
- **STREAMLINED OPERATION.** One-button system start-up with automatic detector calibration and single-touch automated gantry positioning, from CC to angled projections, result in a more efficient operation. The auto-sleep and wake-mode ensures the detector is ready to go when the first patient arrives and greatly extends detector life by optimizing its usability.
- **MORE TIME FOCUSED ON THE PATIENT.** It's only natural that patients want personal attention. The more clinicians can dedicate to the patient instead of the equipment, the greater patient satisfaction can be.





Over 20 Years of Digital Mammography Innovation

FUJIFILM Medical Systems U.S.A., Inc. broke new ground in 1983 by launching the first-ever CR system. In 2006, Fujifilm pioneered the evolution of breast imaging with the first CR system approved for digital mammography, followed by 3 generations of groundbreaking FFDM (full field digital mammography) systems. Beginning with a 50 micron Dual Layer Amorphous Selenium detector with Direct Optical Switching (no TFTs) in our ASPIRE HD system, to our latest ASPIRE Cristalle's Hexagonal Close Pattern (HCP) image capture technology, Fujifilm is committed to investing in women's health research and collaborating with specialists in the field to develop revolutionary and reliable imaging technologies. **Over 9,000 global customers put their trust in Fujifilm ASPIRE digital mammography systems, making Fujifilm the global leader in digital mammography systems.**