

# Built to Perform

*ASPIRE* **Cristalle**  
Digital Breast Tomosynthesis

Patented comfort design for a better patient experience

Superior diagnostic accuracy\* for radiologists

Fast and easy to use for reliable, efficient workflow

\*compared to 2D imaging alone (P160031)



## INSIGHT NO. 1

# Mammograms don't work if women won't get them.

---

## Built smarter for patient comfort.

Many women find mammograms uncomfortable and even painful—breasts weren't meant to be compressed flat. That's why we're proud to introduce an innovation that could be the deciding factor when women choose where to schedule their next exam: our patented Comfort Paddle.

## The Comfort Paddle's unique design creates more even compression without using more pressure.

- Designed with a flexible, slotted 4-way tilting paddle
- Redistributes pressure normally concentrated on the thickest part of the breast
- Compresses evenly along the natural curve of the breast
- Allows for firmer, more tolerable compression for better visibility

## INSIGHT NO. 2

# Departments are only as efficient as the technology they use.

---

## Built smarter for optimal departmental workflow.

There are two sides to workflow—the human side, and the technology side. ASPIRE Cristalle simplifies and speeds up workflow, so technologists can spend more time focused on patient interactions.

- Smart shortcuts and fewer clicks—set exposure and confirm acquired images on a single screen
- Rapid-fire image turnaround with 15 second exposure interval
- Intelligent Automatic Exposure Control (iAEC) facilitates high quality imaging at a precisely controlled dose level for every breast type, including implants
- Immediately output individual images to PACS, viewer, or printer during exam
- Improve system availability and extend system life with programmable automatic startup, sleep, and shutdown



## INSIGHT NO. 3

# You may be ready for tomosynthesis, but your IT infrastructure may not.

## Built to perform with streamlined system integration and image management.

The attributes that make DBT so valuable to your clinical practice cause a big strain on your IT. The enormous datasets can cause significant study management challenges, making it imperative that you consider your IT strategy carefully.

Bellus II, our dedicated mammography reading workstation, can bring advanced tomosynthesis viewing and Intellilink image analysis tools to enable rapid and precise reporting workflow. Direct integration with the ASPIRE Cristalle user interface takes department efficiency to a whole new level, allowing advanced display tools and image access in line with that of reporting physician, completely independent of the PACS system in use.

For a more comprehensive IT solution, our Synapse® Enterprise Imaging portfolio, including Synapse 5 PACS and Synapse VNA, enables secure, easy-to-manage storage and access to the complete patient imaging record throughout the healthcare enterprise. Our Synapse 5 server-side rendering technology is ideally suited to handle the massive datasets generated by DBT exams—enabling unprecedented image-rendering speed, a reduced burden on IT infrastructure and increased speed to diagnosis.



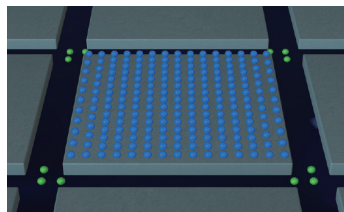
## INSIGHT NO. 4

# Hexagons are engineered to perform better than squares.

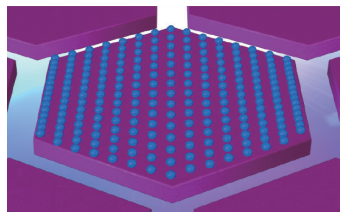
## Built smarter for image quality.

The detector is the heart of any digital mammography system. Simply put, its job is to detect x-rays, convert them into electrons, and collect the resulting electrical charges. The more efficiently it collects charges, the stronger the image signal, the less noisy the image, and the lower the dose needed.

In conventional detector design, the pixels that detect x-rays are square, with wide gaps between them, losing some of the converted x-ray information.



Conventional Square Pixel



ASPIRE Cristalle HCP Pixel

## Introducing Hexagonal Close Pattern (HCP) pixel design.

In the Aspire Cristalle, hexagonal pixels are arranged with smaller gaps between pixels, resulting in less signal loss, stronger electrical fields, and higher sensitivity. When compared to square pixels, HCP delivers:

- 20% increase in detector sensitivity
- Improved information capture
- Lower patient dose

## Optimized Dose for Maximum Image Quality with Intelligent Automatic Exposure Control

ASPIRE Cristalle is built with Intelligent Automatic Exposure Control (iAEC). iAEC intelligently analyzes breast composition and thickness and applies auto-recognition of implants. This optimizes dose and processing to generate exceptional images at low doses for all breast types, including breasts with implants.



**In every woman's life, there are moments where imaging will make the difference.** Where wellness, peace of mind, and even life are on the line and the unique insights offered by radiology provide answers.

### **That's where you'll find Fujifilm.**

With over 80 years of imaging breakthroughs, over 9,000 global ASPIRE digital mammography installations and an unrelenting drive to discover what's next, we continually deliver value from innovation. Our advanced technologies, such as ASPIRE Cristalle 3D mammography, enable and empower. Doctors can see and strive to make the most accurate diagnoses. Practices can run more efficiently. And patients can determine their best path forward.

We are proud to contribute to these victories against disease and doubt. Whether large or small, they can change a woman's life. And as needs evolve, we'll be here. Acting on insights, driving innovation, inspiring hope—and together with our customers, having a lasting and profound effect on women's health.

**BROWN'S MEDICAL IMAGING**

**FUJIFILM**  
Value from Innovation

FUJIFILM Medical Systems U.S.A., Inc.  
81 Hartwell Avenue, Ste. 300, Lexington, MA 02421-3160  
[cristalle.fujimed.com](http://cristalle.fujimed.com)  
866-879-0006

©2020 FUJIFILM Medical Systems U.S.A., Inc.

