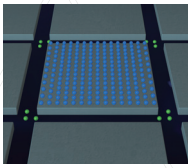
ASPIRE Cristalle
Built to perform.

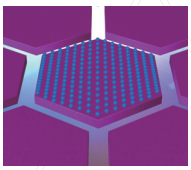
7 KEY DIFFERENTIATORS

1 HCP detector

- 50-micron displayed pixels
- Hexagonal pixels distribute the electrical field more efficiently for a stronger, more uniform signal
- Results in images with high DQE and MTF
- Ultra-sharp images, gentle dose
- Upgradeable to future technologies

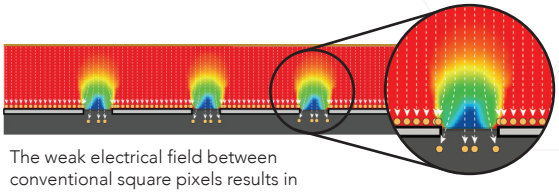


Conventional square pixel

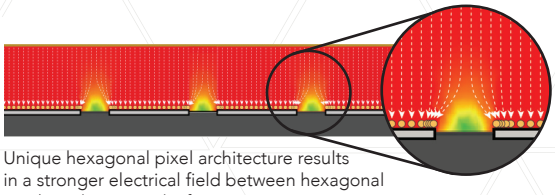


ASPIRE Cristalle HCP pixel

Reduces dose **by approximately 20%** when compared to conventional detectors that use square pixels*



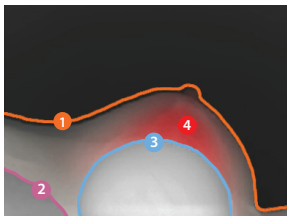
The weak electrical field between conventional square pixels results in some loss of acquired information.



Unique hexagonal pixel architecture results in a stronger electrical field between hexagonal pixels and improved information capture.

2 iAEC

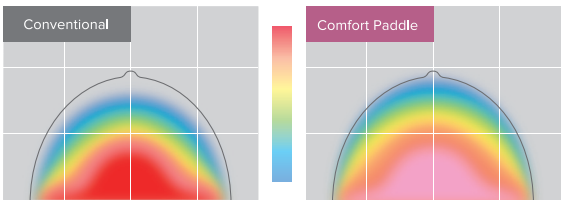
- Optimizes exposure parameters
- Automatically detects and removes implants from analysis, thereby calculating the optimal exposure and image processing.



1. Identify breast periphery
2. Locate pectoral muscle & exclude it from analysis
3. Look for implant, and if present, exclude it from analysis
4. Locate glandular tissue

3 Comfort Paddles

- Flexible compression paddle gently adapts to the breast
- Patented design allows for firmer, more tolerable compression
- Slotted paddle edge allows plate to flex and contour to the breast



Distributes pressure for more even distribution of breast tissue

4 One Shot QC Program

- Provides phantom materials and software support needed for QC Technologist and Medical Physicist testing
- 5-minute weekly QC testing with the ACR MAPP and the 1 Shot Phantom M Plus
- Single exposure produces 10 quantitative test results
- Allows for trending and print out of accumulated weekly, quarterly, semi-annual, and annual QC test results

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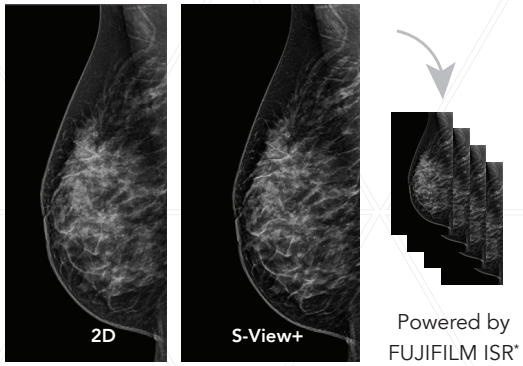
5 S-View with ISR

Iterative reconstruction:

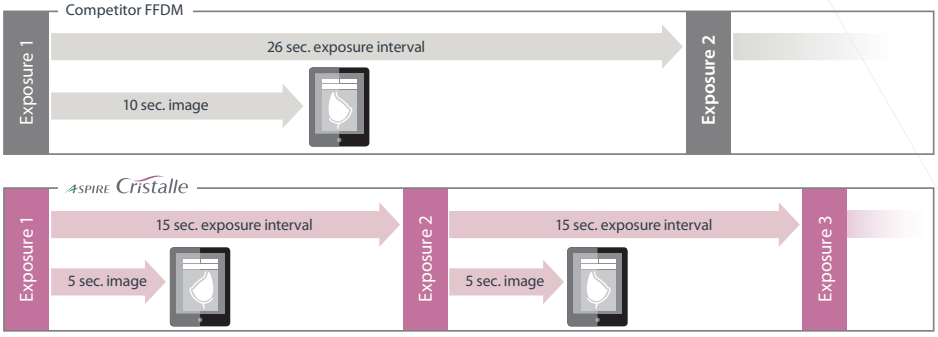
- Reduces 'out of plane' blurring artifacts
- Reduces granularity in the slice images

Super-Resolution technology:

- Generates a higher sharpness than the original projection images / detector resolution
- Accurately corrects the displacement of each pixel in the projection images[1]



6 2D Cycle Time



7 Fast acquisition and reconstruction

- Continuous 15° sweep of X-ray tube
- Acquires 15 projection images (N mode)
- 4-second acquisition
- Projection images are reconstructed into tomosynthesis slices that are 1mm apart
- Tomosynthesis slices are output to a diagnostic workstation at a 100mm pixel pitch

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