



Together for mammography excellence

Agfa mammography portfolio

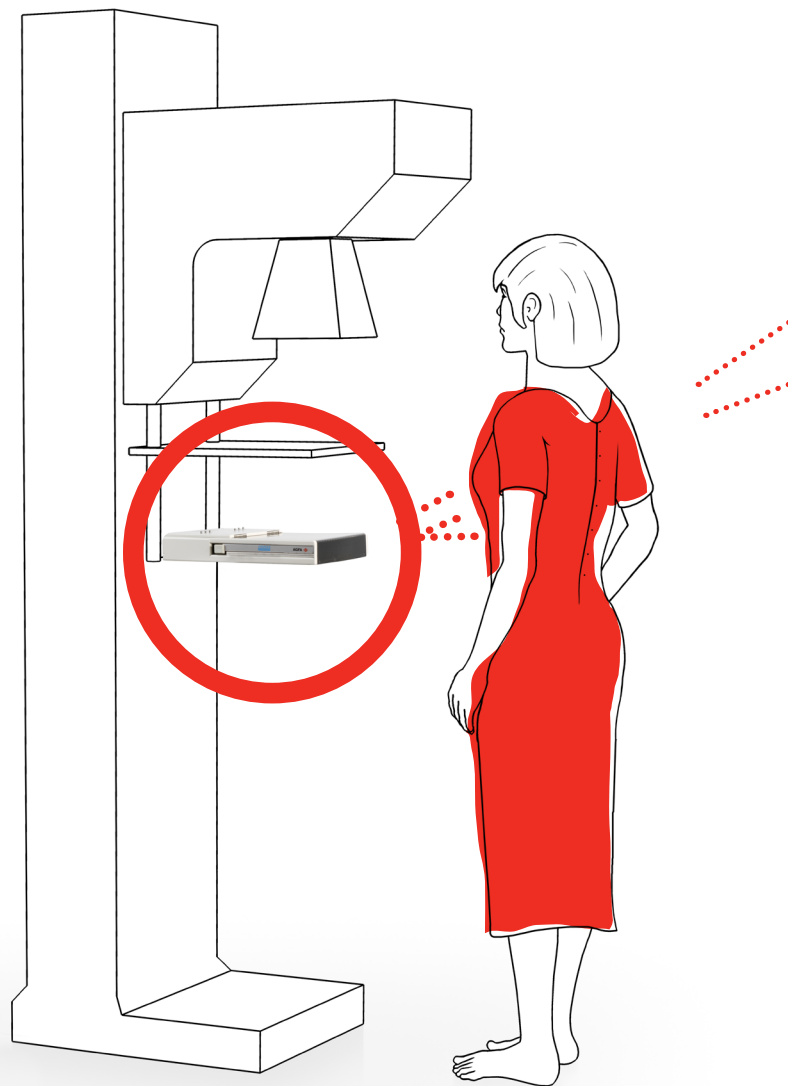
A specialized portfolio, optimized for mammography

Every woman deserves the best mammography experience. That's why Agfa offers a comprehensive, top-quality and dedicated mammography portfolio that fits the requirements of various imaging environments.

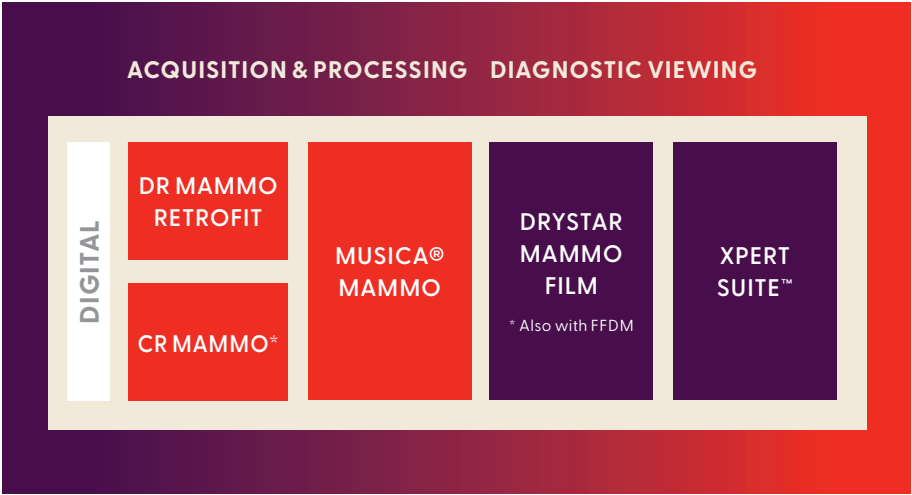
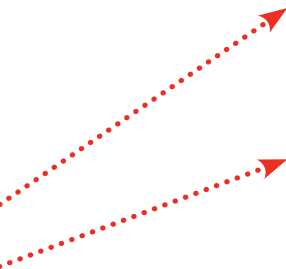
Our vendor-neutral solutions, which range from film and diagnostic printing, to digital radiography and a workstation for mammography data and image management, are compatible with almost all mammography modalities, and are suitable for both screening and diagnostic purposes.

Because knowledge about radiation dose is top of mind, we have designed these solutions to balance low radiation dose and high image quality. So, regardless of which Agfa mammography solutions you choose, you can be sure you are giving your patients optimum care.

Find the right solution for your facility



Agfa's mammography portfolio includes digital solutions for image acquisition with image processing, and diagnostic viewing, to fit an imaging environment's needs.



DIAGNOSTIC PRINTING & VIEWING



DRYSTAR AXYS



DRYSTAR 5503



DRYSTAR mammography film



Xpert Suite™

DIGITAL MAMMOGRAPHY (DR AND CR)



MUSICA® for digital mammography



DR Mammo Retrofit based on DR 24M and DR 18M



CR Mammo* based on CR 30-Xm

*phasing-out



Intelligent AEC calibration For optimized dose and X-ray beam

Agfa's mammography solutions use a unique dose alignment procedure to calibrate the automatic exposure control (AEC). Dose and X-ray beam quality are optimized for various breast thicknesses and compositions, automatically and intelligently. The Agfa team is specially trained to work with your modality engineer to calibrate the AEC, which steers the generator.



Diagnostic printing solutions



DRYSTAR IMAGERS

Setting the standard in mammography hardcopy

Agfa's DRYSTAR portfolio offers you a choice of mammography hardcopy imagers, to make sure you get the right fit. But whichever you select, you can be sure that all DRYSTAR imagers, enhanced with A#Sharp technology for consistently sharp images, offer you:

- A simple mechanism, making the imager both compact and highly reliable.
- Solid state imaging, ensuring long life and controlled, consistent image quality.
- Total daylight film handling, enabling ease of use.
- High throughput and the shortest image access time, supporting an efficient workflow.
- Flexibility of media trays.
- DICOM compatibility.
- An excellent price/performance ratio.

DRYSTAR AXYS

High-quality, fast mammography imaging from a compact, tabletop imager

With the DRYSTAR AXYS, you have a high-resolution, high-throughput imager that is optimized for mammography, yet also supports the other imaging applications.

- The high resolution of 508 ppi is the most efficient resolution available in today's market, providing the excellent quality needed for mammography images or any other mammography modality.

- Integrated A#Sharp technology intensifies the imaging capability, for consistently sharp images.
- The dual on-line media trays can handle three sizes of mammography film (8x10 inch, 10x12 inch and 11x14 inch), as well as a variety of other media in many different sizes.
- The ultra-short access time for the first four prints, plus the efficient throughput, enhances mammography productivity.
- With its small footprint, the DRYSTAR AXYS can fit even the most limited space.





DRYSTAR 5503

Mammography quality from a high-throughput, triple media-size imager

The DRYSTAR 5503 offers you mammography-quality images in a high-throughput imager that can be networked for maximum productivity.

- The high resolution (508 ppi) and A#Sharp technology match the modality resolution of the highest resolution CR digitizers.
- Triple on-line media trays can handle three sizes of mammography film (8x10 inch, 10x12 inch and 11x14 inch), plus a variety of other media in many different sizes.
- The DRYSTAR 5503 can print up to 120 sheets/hour for 8x10 inch size, enhancing your throughput.
- The built-in, automatic quality assurance tool helps with quality checks.

DRYSTAR MAMMOGRAPHY FILM

- Designed for use with the DRYSTAR 5503 and DRYSTAR AXYS, this high-density, high-contrast dry processing film offers optimum diagnostic-quality hardcopies for digital mammography.
- This film has been specially developed to meet the high optical density requirements of digital mammography.
- You can visualize the most subtle grey-level changes required for mammography applications.



How to determine what spatial resolution you need from an imager

Spatial resolution indicates how many pixels are used to construct or print an image. It is usually specified in pixels per inch (ppi). 300 ppi is generally appropriate for diagnosis – in fact, the human eye won't perceive much more without magnification.

But for certain applications, you need a higher resolution to display all the details. In mammography imaging, the microcalcifications typically detected are about 3.5 to 7 lp/mm (70 to 150 μ m in diameter). To ensure that no artifacts are missed, a modality resolution of 50 μ m may be used. A print resolution of 508 dpi matches this modality resolution without interpolations.

Agfa's DRYSTAR AXYS and DRYSTAR 5503 both offer a resolution of 508 ppi, which matches the 50 μ m modality resolution of the highest resolution CR digitizers.



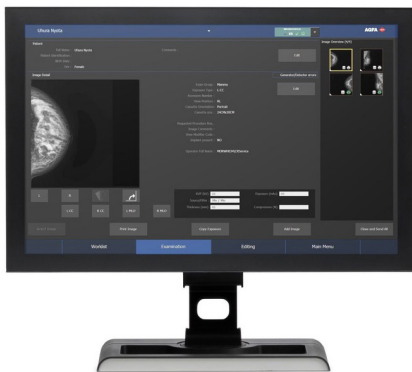
Direct radiography (DR) and Computed radiography (CR)

MUSICA® Technology

MUSICA® for digital mammography

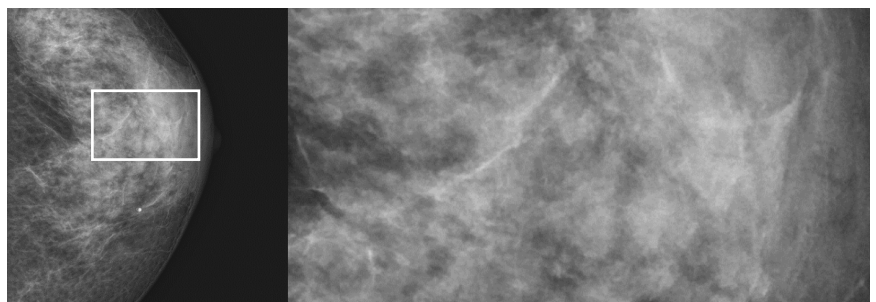
Agfa's most advanced image processing software, specially adapted for mammography.

All Agfa DR and CR solutions come with MUSICA® image processing, specially adapted for mammography. MUSICA® gives you the right processing for your mammography images immediately – without manual post-processing. All relevant data in the image is rendered and adapted to the sensitivity of the eye. There's no need for window/level adjustments to improve the visualization of certain regions in the breast. You get more information on all relevant image areas, making it easier to distinguish and visualize the most subtle pathologies and lesions, and you save time and effort.



The diagnosis is in the details:

- The skin line, subcutaneous periphery and nipple area are well defined and visible without additional window/level adjustments.
- Cooper's ligaments, subcutaneous area and the mamilla of the breast show their structure and details in high fidelity.
- Noise level is very low: there are no grainy areas within the clinical parts.
- Contrast variation between adipose and glandular tissue is well balanced within a study.
- Contrast variation is balanced for both small and large breasts.
- Dense bright areas remain transparent, and not bright and burned.
- The sharpness impression is very high, and microcalcification as well as mass-like pathologies are easily detectable.





DR Mammo Retrofit

Affordably upgrade to DR mammography image quality, productivity and lower dose

With the DR Mammo Retrofit, you can cost-effectively take the next step in your mammography evolution by upgrading your existing analog and CR mammography X-ray modalities to DR.

- The vendor-neutral DR Mammo Retrofit uses your existing mammography investments to seamlessly give you all of the benefits of DR mammography, including immediate, high-quality images and a smooth, fast workflow.
- Mammo DR Retrofit is up and running quickly.
- MUSICA® for mammography provides excellent contrast detail.
- Cesium Iodide (CsI) scintillators and a high-resolution pixel pitch of 76 μm deliver the excellent image quality required for DR mammography, while offering the potential for significantly reduced dose.
- The high Detector Quantum Efficiency (DQE) and the lossless dose AED further support low patient radiation dose examinations.
- The unique Dose Alignment Procedure enables intelligent programming of automatic exposure control.
- DR 24M (24x30 cm) and DR 18M (18x24 cm) flat panels fit into a standard bucky for conventional and computed radiography (CR) mammography.



CR Mammo*

**High-resolution mammography images,
from a cost-effective, tabletop digitizer**

CR Mammo is based on the CR 30-Xm digitizer, using dedicated plates and cassettes for mammography. You can thus use the compact, single-slot CR 30-Xm for both your digital mammography and general radiography applications – with a single investment.

- The very high resolution of 50 µm pixel pitch supports mammography imaging in full confidence.
- The high scan resolution, combined with dedicated MUSICA® for mammography, makes it easier to detect small and subtle lesions in the breast.
- The digitizer fits in small spaces and is suitable for mobile applications.
- Dedicated mammography image plates and cassettes are available in sizes of 18x24 cm and 24x30 cm, and enable tissue imaging right up to the chest wall.
- The unique Dose Alignment Procedure enables intelligent programming of automatic exposure control.



*phasing-out





XPERT SUITE™

Perfect complement to the MUSICA workstation

This flexible and scalable image handling software lets you carry out diagnostic reporting and image manipulation, and securely store and distribute medical images from multiple modalities. Xpert Suite™ delivers plenty of features to help improve diagnostic reading confidence, efficiency and productivity.

- The Xpert Suite™ workstation seamlessly integrates with Agfa's DR and CR systems and hardcopy imagers.
- It supports any Digital Mammography image modality and vendor.
- Current and prior studies can be opened simultaneously and easily compared. (*)
- It includes an easy-to-use hanging protocol manager. (**)
- The modular design accommodates your growing image volume.
- It offers easy installation and intuitive use.
- Breast Tomosynthesis (***)

(*) requires the MAMMO license

(**) requires the advanced license

(***) requires the MAMMO TOMO license



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