



The smart move to intelligent and efficient DR Mammography

Mammo DR Retrofit Solution
High image quality at low dose
and maximum productivity



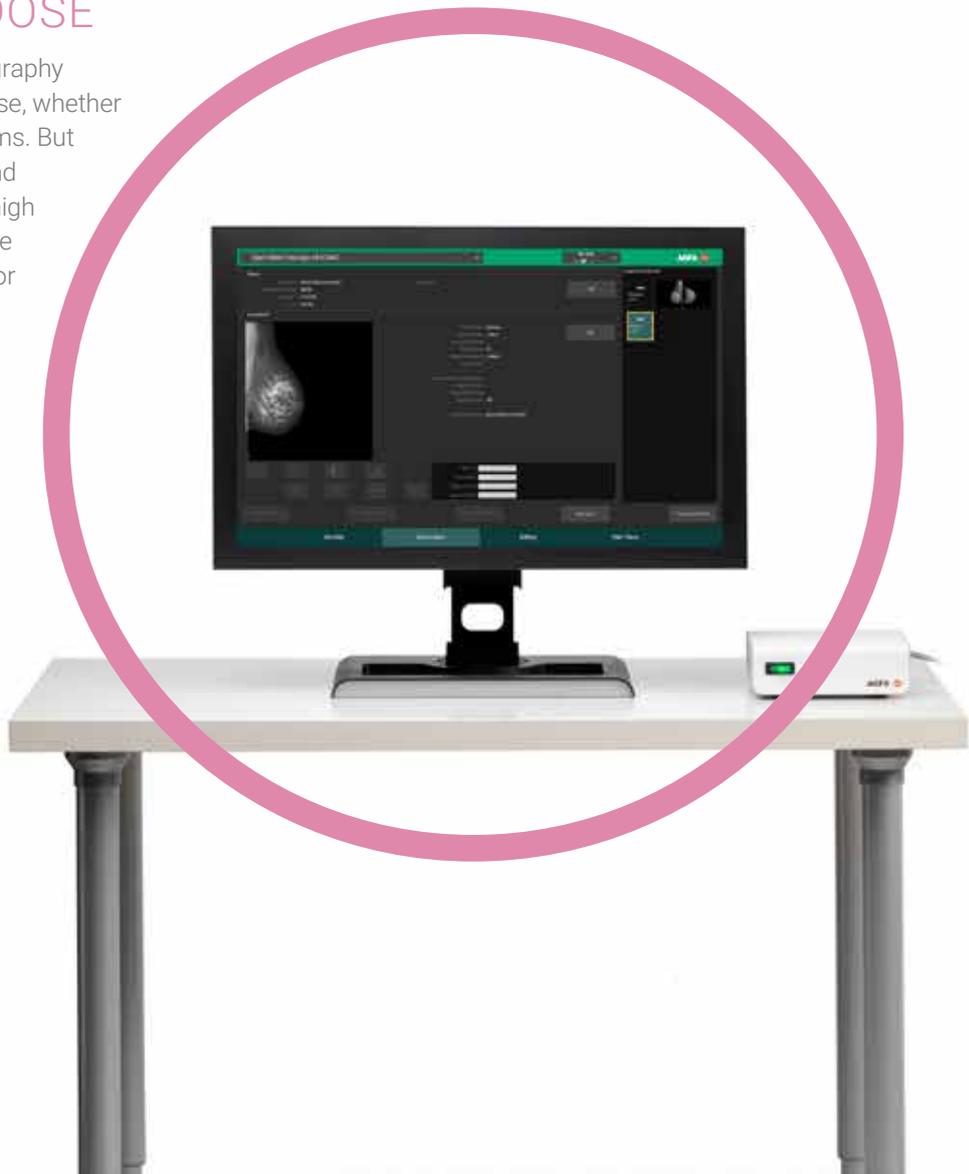
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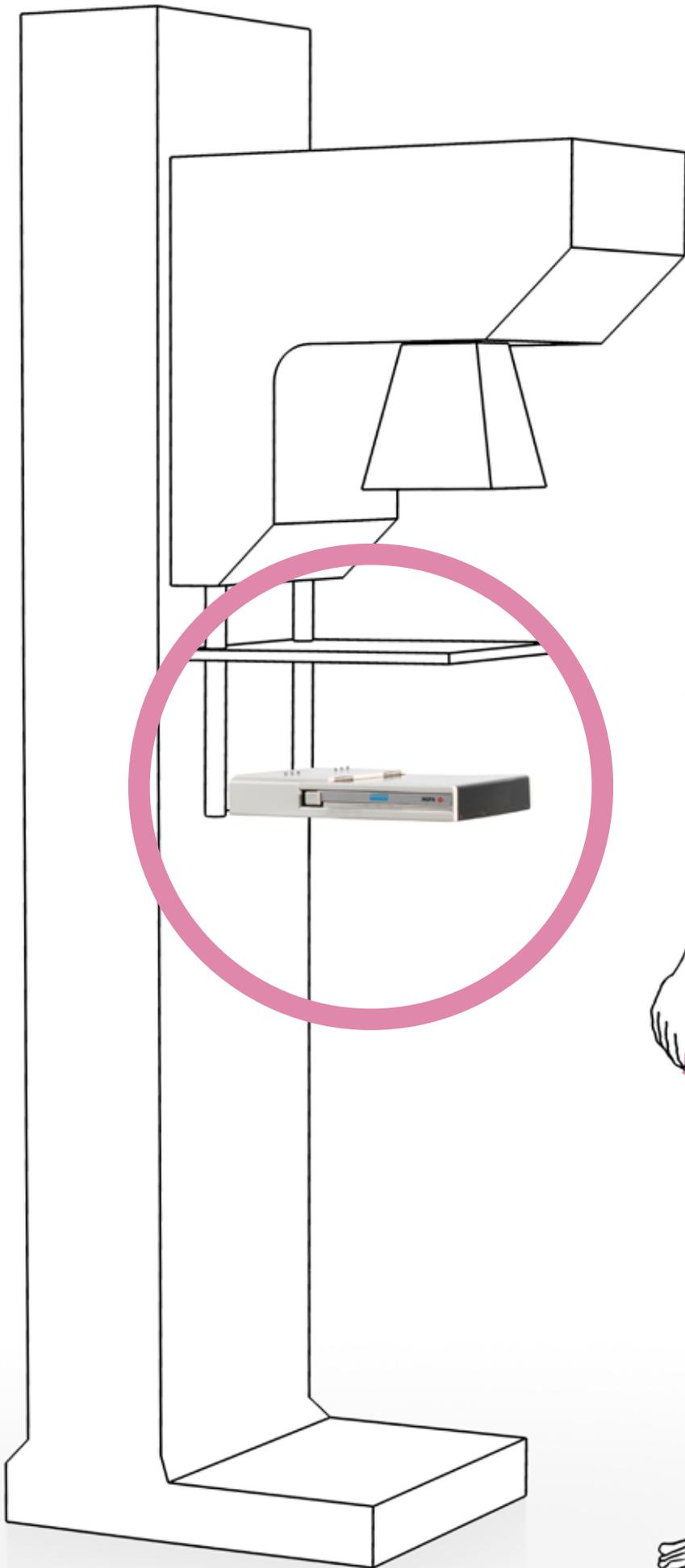
Take the next step in your imaging evolution, by upgrading your analog mammography X-ray modalities to direct radiography (DR). Agfa's vendor-neutral Mammo DR Retrofit* solution seamlessly gives you all of the benefits of DR mammography (immediate, high-quality images and a smooth, fast workflow) while maximizing your existing mammography investments.

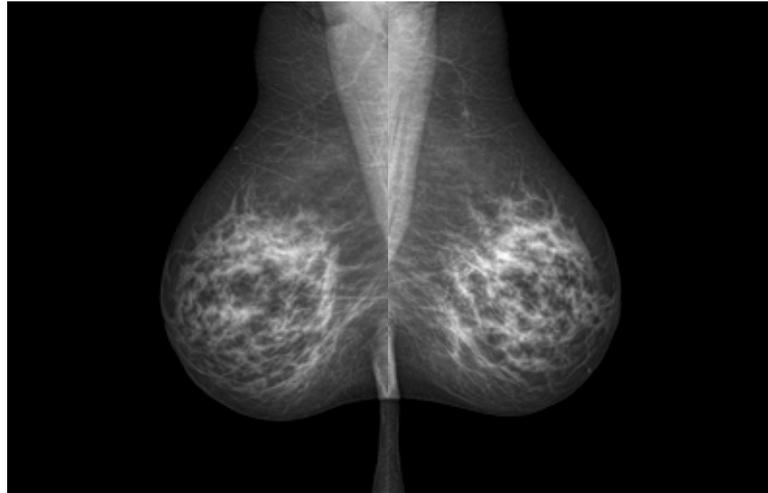
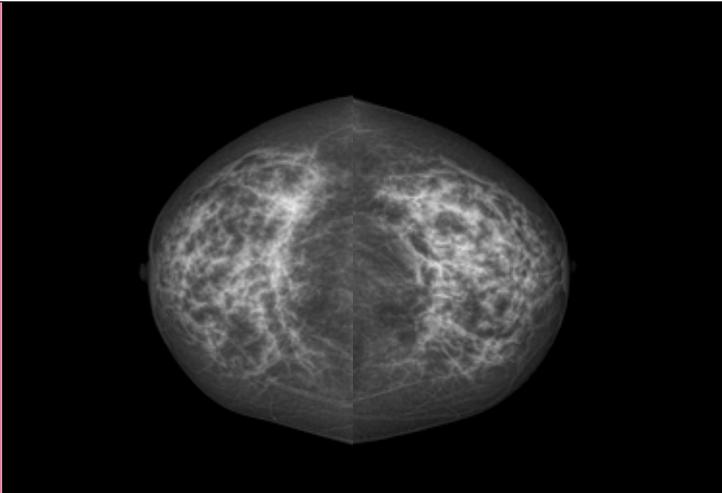
INTELLIGENT PROGRAMMING OF AUTOMATIC EXPOSURE CONTROL, FOR OPTIMAL AND LOW PATIENT DOSE

Every woman deserves a safe mammography environment and the lowest possible dose, whether for screening or diagnostic mammograms. But variations in compositions of adipose and glandular breast tissue, with a range of high and low compression thicknesses, create a complex matrix of exposure settings for the radiographer and radiologist.

With its unique Dose Alignment Procedure for the calibration of the automatic exposure control (AEC), Agfa enables dose and X-ray beam quality optimization for all 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.







IT ONLY TAKES A MOMENT... TO ADVANCE TO DR MAMMOGRAPHY

With the vendor-neutral Mammo DR Retrofit, it is easy to upgrade your mammography X-ray modalities. Choose between the DR 24M or DR 18M flat panel digital X-ray detector. Both are specially designed for DR mammography and fit, respectively, into standard 24x30 or 18x24 buckys used for conventional and computed radiography (CR) mammography.

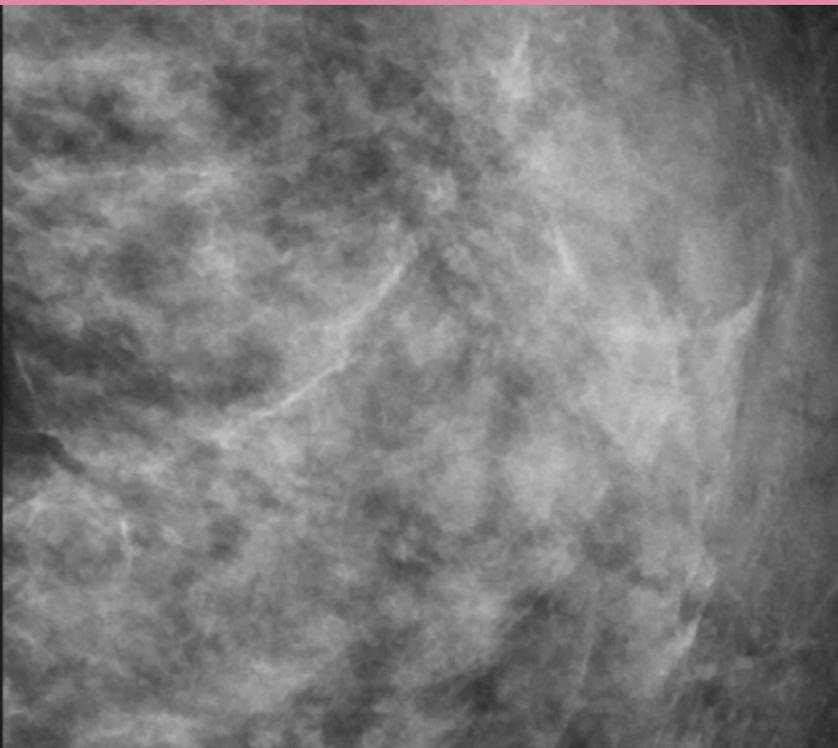
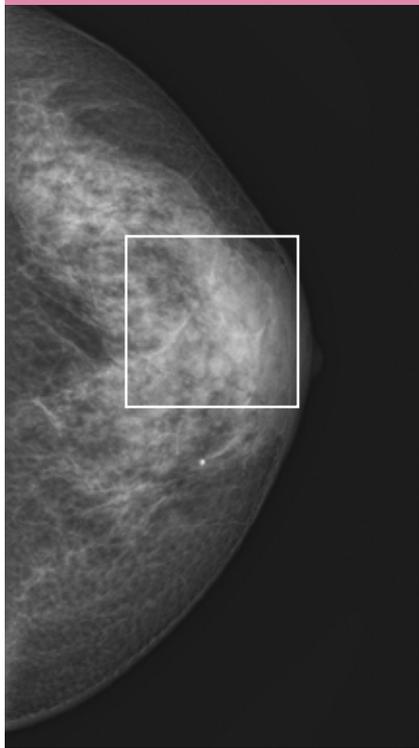
The detector absorption is compatible with the Automatic Exposure Control (AEC) of the mammography X-ray units. Only Agfa's Dose Alignment Procedure needs to be performed to switch from conventional or CR to DR. And facilities with an Agfa CR mammography solution can even minimize the effort by re-using X-ray modality settings.

The auto-triggering Automatic Exposure Detection (AED) eliminates the need for synchronization with the X-ray modality – and therefore any physical or electrical connection to the X-ray generator. This enables seamless use with virtually all mammography X-ray systems, regardless of modality vendor.

EXCELLENT DR MAMMOGRAPHY IMAGE QUALITY, WITH LOWER DOSE

With Cesium Iodide (CsI) scintillators as standard, and a high-resolution pixel pitch of 76 μm , the Mammography DR Retrofit delivers the excellent image quality required for DR mammography examinations. The high Detector Quantum Efficiency (DQE) and the lossless dose AED feature of the detector support low patient radiation dose examinations.





TAKE CONTROL OF YOUR IMAGING WORKFLOW

With Mammography DR Retrofit, you can see tremendous productivity increases, without making a big new investment. The solution offers a fast preview in only 3 seconds and a cycle time of 30 seconds, sufficient for the high-load screening environment. The cassette-less workflow is smooth and fast. And the wired solution needs no batteries: the detector stays right in the bucky.

The Mammography DR Retrofit comes with the MUSICA Acquisition Workstation, dedicated for mammography. This identification and quality control tool features a touch screen, a hanging protocol for mammography and an intuitive interface, letting the technologist complete tasks quickly and effortlessly. Specialized exams include Spot Magnification, Needle Biopsy and Surgical Biopsy.

DICOM-compliant, the MUSICA Acquisition Workstation can transfer all DICOM images to a softcopy viewing station or a hardcopy imager for diagnosis. Dedicated, easily configurable layout features enhance the hardcopy printing.

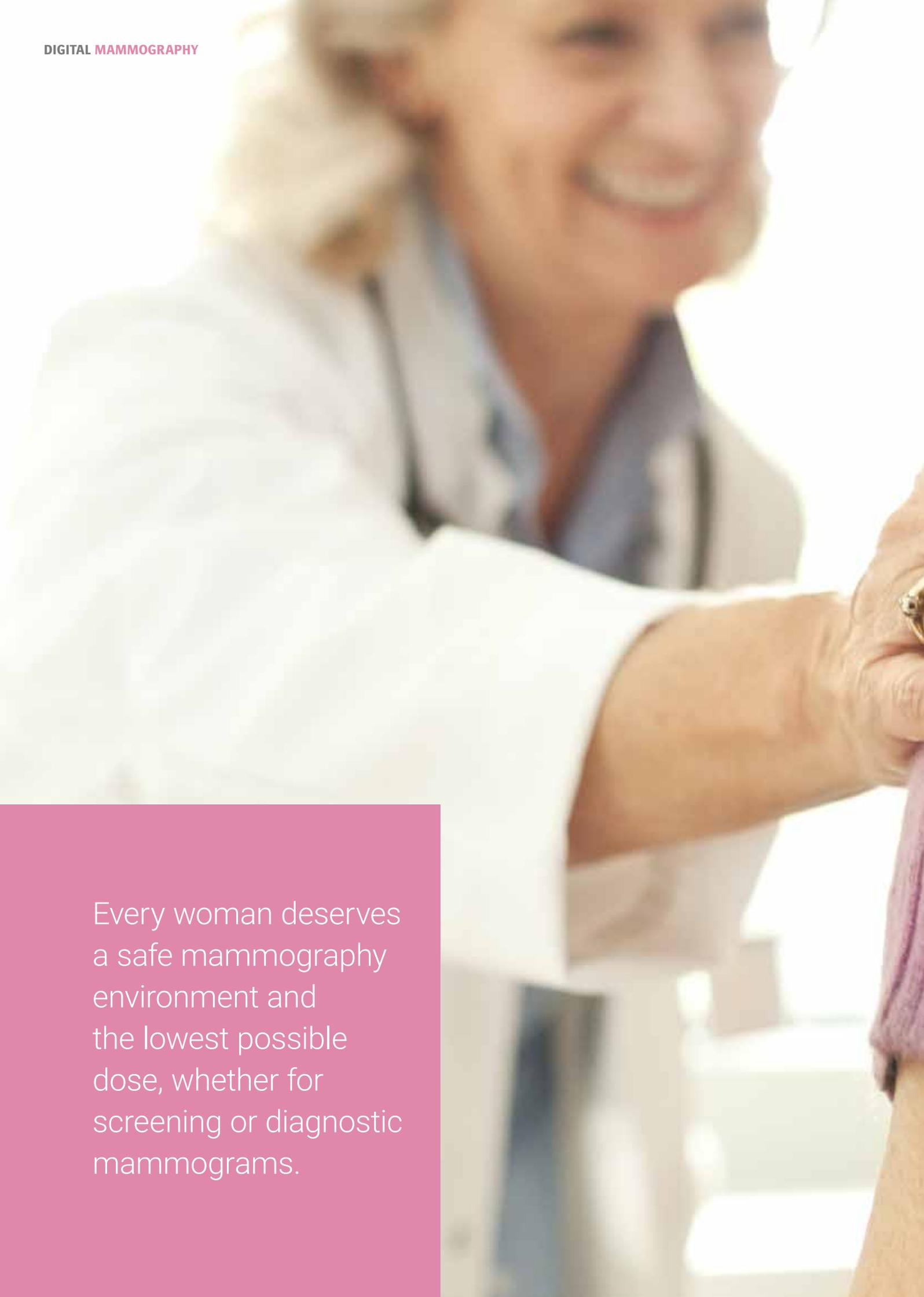
MUSICA FOR DR MAMMOGRAPHY

Intelligent MUSICA third generation image processing software has been specifically adapted for DR mammography, providing you with the right processing for your mammography images immediately – without manual post-processing.

The software optimally renders all relevant data in the image, adapted to the sensitivity of the eye. There's no need for window/level adjustments to improve visualization of certain regions in the breast.

With MUSICA third generation, it is easier to distinguish and define the most subtle pathologies and lesions in all confidence, and you get improvement on all relevant image areas from your mammography images, while saving time and effort.

- Skinline, subcutaneous periphery and nipple area are well defined and visible without additional window/level change.
- 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.
- Sharpness impression is very high and micro-calcification as well as mass like pathologies are easily detectable.

A close-up, slightly blurred photograph of a female doctor with blonde hair, wearing a white lab coat over a blue shirt. She is smiling warmly and looking down at a patient's arm, which is visible on the right side of the frame. The background is bright and out of focus.

Every woman deserves a safe mammography environment and the lowest possible dose, whether for screening or diagnostic mammograms.



INTELLIGENT & COMPLETE SOLUTION FOR YOUR DR MAMMOGRAPHY INVESTMENTS



Unique Dose Alignment Procedure enables **intelligent** programming of **automatic exposure control**



MUSICA3, specially adapted to DR mammography, offering the **excellent contrast detail** needed for mammography imaging in all confidence



Dose reduction potential through CsI detectors high DQE and lossless dose AED



Smooth, fast workflow: images available in seconds



An **affordable upgrade** to DR mammography, leveraging your investments for the long term



Up and running, 'in an instant'



Compatible with virtually all existing mammography systems

For more information on Agfa, please visit our website on www.agfa.com ■

*** Mammo DR Retrofit is not available in the US and Canada.**

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Published by Agfa NV
Septestraat 27 - 2640 Mortsel
Belgium

201808

