PHILIPS

Breast imaging

Precision.
Access.
Consistency.

Read from multiple modalities and vendors within a single workspace

All your patient's studies in one place

Mammography remains a gold standard for breast cancer detection. Philips' Breast Analysis Module offers a versatile solution that allows physicians to read Breast Ultrasound, Automated Breast Ultrasound (ABUS), General Radiology or Digital Breast Tomosynthesis (DBT) exams from a single workspace.

This natural extension of your primary reading workflow features unique tools and workflow to optimize the reading of screening and diagnostic exams – with virtually no limits on the types of procedures that can be compared simultaneously. Mammography images are automatically same-sized and positioned to minimize any manual manipulation.

Multiple, user configurable tools help optimize workflows for your exams, from intelligent display protocols to custom toolbars/keypad, augmented by easy comparison of studies and auto update when there are newly acquired images.

Advantages at a glance

- Allows reading of all procedure types, from any vendor, on a single desktop
- Breast Analysis is optimized for Digital Breast Tomosynthesis
- Can be activated as an extension of the Image Management suite and scales to meet your growing needs
- Archive solutions make your procedures available from any web-enabled workstation
- Breast Analysis supports double-reading workflow when multiple reading status transition are needed
- Workflow controllers are supported to speed up your reading workflow with load balancing to help with enterprise scalability

Tools for customization

- Multiple tools are available to improve efficiencies such as customizable dynamic keyboard shortcuts to enhance the diagnostic review process.
- Native, intuitive tools include automatic chest wall justification, nipple alignment, IntelliZoom, tissue invert, window/level, Cross Reference Lines, multiple magnifying glass and graphic mark-ups.
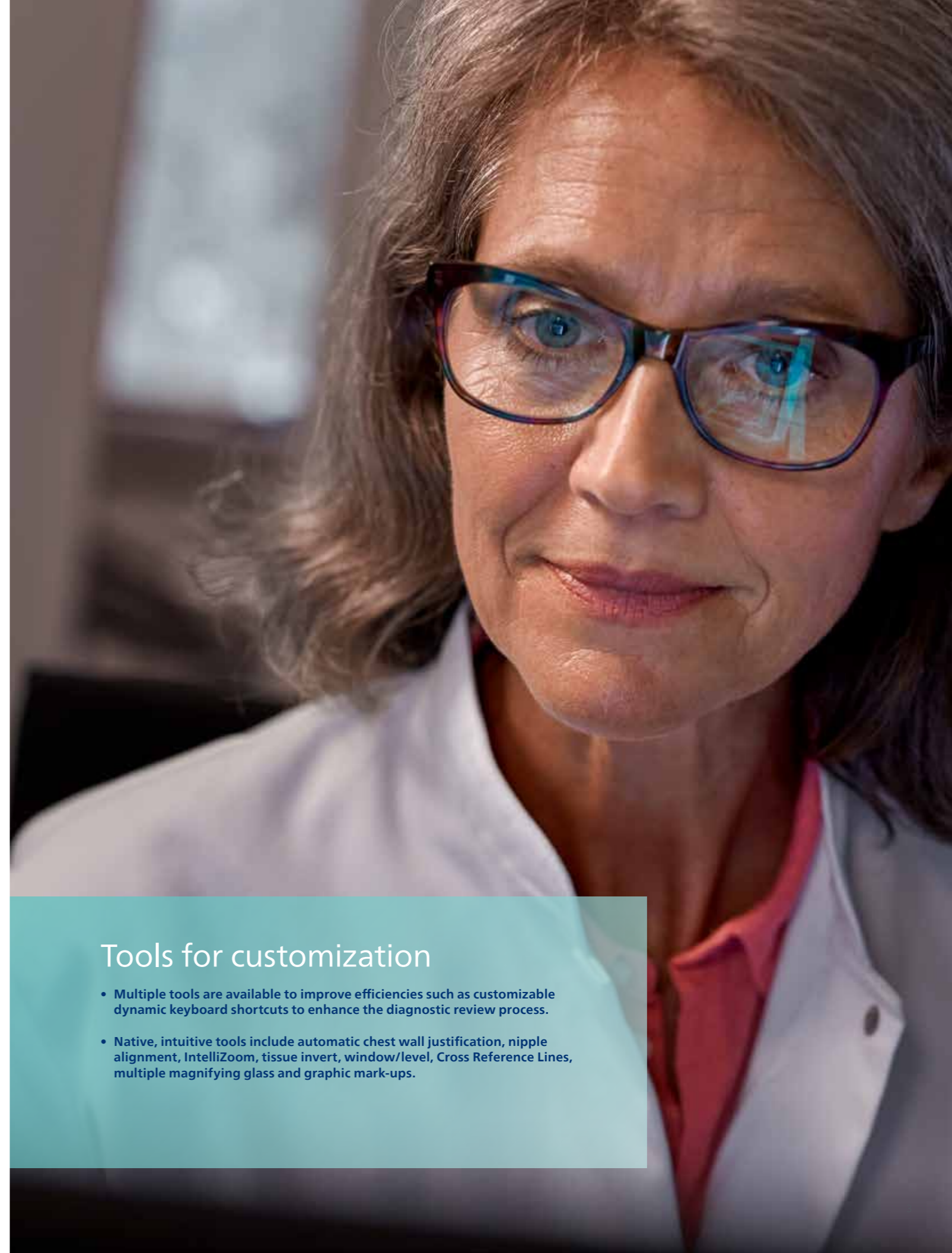
In over 10 years of annual tomosynthesis screening, **50%** of women will experience at least one false positive recall, **17%** a false positive short-interval follow-up recommendation.

https://health.ucdavis.edu/news/headlines/half-of-allwomen-experience-false-positive-mammograms-after-10-years-of-annual-screening-/2022/03

Mammography saves **4.3%** of screen-detectable cancer patients' lives starting at age 50.

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2670293/

40 million mammograms are performed each year. An average of only 2.3 minutes was spent consulting on each potential recall.

https://pubs.rsna.org/doi/full/10.1148/radiol.2020192746

These statistics point to the increasing need to be able to streamline Mammography workflows not only in specialized tooling, but within a radiologists every day workflow. With increasing time pressure and case load, a robust toolset and comprehensive solution can help your radiologists rise to the challenge.
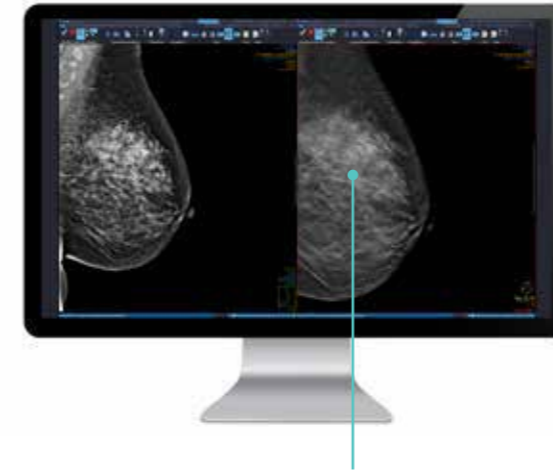
Automatic positioning and same-sizing allows easy image comparison of prior exams and multiple modalities with no manual manipulation required

The feature-rich design delivers diagnostic confidence

Philips Radiology Diagnostic Client lets you control everything from a single workspace. Enjoy optimized reading of both screening and diagnostic exams with virtually no limitation to the types of procedures that can be compared simultaneously.

To learn more about Philips Digital Mammography Solutions and our partners, contact your local Philips representative or authorized dealer.

Streamlined workflow

Store, route and display digital breast exams using industry-recognized standards.

- Store any digital breast exam from DICOM-compliant acquisition devices
- Optimized Time to First Image and All Images
- Automated DBT cine
- Display integrated third-party CAD results for MG 2D, 3D and Breast MRI datasets

Optimized comparison

Compare multiple prior exams and move images as you read.

- User-configurable Hanging Protocols display Digital Breast Tomosynthesis procedures along with any other procedure
- The entire exam can be replaced with a single selection
- Drag and drop images as you read with automatic resizing and positioning
- Stack multiple priors and views within individual viewboxes

Specialized tools

Save time while enhancing diagnostic confidence.

- Automatic positioning of mammography images and mammograms help eliminate manual manipulations
- Automatic Same-Sizing of Digital Breast Tomosynthesis and mammograms make comparing a change in pathology easier
- Automatic skin-line detection and breast map calculation
- IntelliZoom feature for 100% zoom factor comparison between current/prior views
- Tomosynthesis slabbing function which allows slab thickness adjustment on-the-fly
- ABUS multi-planar reconstruction display directly within the viewer
- Digital Breast Tomosynthesis exams are viewable in cine mode or through self-paced image scrolling
- Concurrent Magnifying Glasses provide a close-up comparison of pathology across multiple views and procedures
- Cross-reference lines aid in locating suspicious areas on opposing views
- Save and catalog annotations and key images
- Commercially available digital mammography CAD vendors can be supported to provide maximum interoperability

Specialized keypad for ease and efficiency

Philips workflow analysis studies include hours of observations in hospitals and specialty clinics. As a result, our Mammography Keypad reflects the way you work.

The Mammography Keypad turns your Breast Analysis Module into a mammography reading center, by providing specialized functionality and ease of use. It eliminates the need to have a separate workstation, monitor and keyboard just for reading mammography studies. The keypad features an integrated scroll bar that provides granular control for reviewing breast tomosynthesis frames. Highly configurable, it allows you to choose your own shortcuts to support your unique reading preference.

The Mammography Keypad offers an extensive array of shortcut keys, including:

- Tomo Localizer
- CAD
- Magnify Lens
- Tomo Slab
- Step Zoom
- RCC/LCC

- 2D/3D
- RMLO/LMLO
- Previous Prior
- Next Prior
- Previous Hanging Protocol
- Next Hanging Protocol

- Right arrow to navigate stacks
- Customizable favorite keys to designate functions
- Cross Reference Lines

The Mammography Keypad is a critical peripheral used in combination with mammography software to support radiologists in reviewing patient information to develop reports that inform diagnosis and treatment plans. Special attention and effort informed the creation of clear tactile indications, a metal scroll wheel for the highest interaction point, and key customization to address the needs of individual clinicians. This is why the Philips Mammography Keypad was recognized for an IF design award.

Extended and deeper insights with advanced visualization*

A comprehensive toolset for breast reading not only allows for reading of conventional Mammography exams, but provides the ability to delve deeper when needed. To do so Philips offers DynaCAD Breast, a multi-vendor breast MR image analysis system specifically designed to help you process and display large volumes of clinical images and data. With its sophisticated post-processing engine, DynaCAD Breast supports efficient, focused workflows by automating routine tasks and providing ready-to-read, custom hanging protocols. Its configurable worklists make for easy study management, and its comprehensive toolset provides added efficiency and confidence for your clinical assessments.

DynaCAD Breast features:

- Customizable displays of post-processed data
- Lesion segmentation enhances workflow efficiency
- Clearer images for more productive study reviews
- Convenient current/prior review facilitates comparative analysis

For more information, visit:
https://www.usa.philips.com/healthcare/product/HC784027/dynacad-breast

*Available via PACS integration with the Philips Advanced Visualization Workspace. DynaCAD Breast may not be available in all regions. Please consult your local Philips representative for more details

Enhanced performance to handle more data

Larger, more dynamic image sets require more powerful performance. Image Management Breast Imaging with the Advanced Mammography package has an improved backend that offers enhanced system performance to meet the needs of the increasing size of mammography data sets.

Now access to the first image, including digital breast tomosynthesis, can be displayed for the radiologist in just 3 seconds or less. This fast image loading means that you no longer have to struggle with large studies slowing down, crashing, or overloading your system.

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