

Planmed Clarity+™

Digital mammography products

3x faster DBT!



Discover the future of mammography with Planmed Clarity+™

The **Planmed Clarity+™** product family offers a perfect platform for the latest technologies with enhanced diagnostic imaging capabilities. These next-generation digital mammography systems feature innovative options designed to meet the evolving needs of breast imaging and diagnostics.

To begin with, the product family includes **Planmed Clarity+™ S**, a reliable high-performing screening system that ensures smooth workflows, even in the most demanding environments.

Planmed Clarity+™ 2D is designed for anyone thinking of expanding their mammography services in the future, as it combines intuitive usability with upgradeable features to meet shifting clinical needs.

Planmed Clarity+™ 3D is a full-featured digital breast tomosynthesis (DBT) system, providing an optimal solution for both screening and diagnostic imaging, up to three times faster than the previous model.

All models are upgradeable to contrast enhanced mammography (CEM) at any time.

Are you ready to add clarity to your breast cancer diagnostics?



Planmed Clarity+™ 3D

- Full-featured DBT system for advanced imaging
- Excellent usability with **Planmed Clarity™ Flow** touchscreens
- Perfect platform for diagnostic mammography
- High throughput DBT with 3x faster reconstruction time



Planmed Clarity+™ 2D

- 2D mammography
- Excellent usability with Planmed Clarity™ Flow touchscreens
- Multiple upgrade options



Planmed Clarity+™ S

- Optimal for high throughput 2D breast screening
- Focus on performance
- Compact and cost-effective



Planmed Clarity+™ S for screening

A mammography system for any clinic needs, **Planmed Clarity+™ S** is the safe and cost-effective choice for mammographic breast examinations. Its advanced technology and clever solutions enable an efficient workflow in both busy screening centers and smaller clinics.

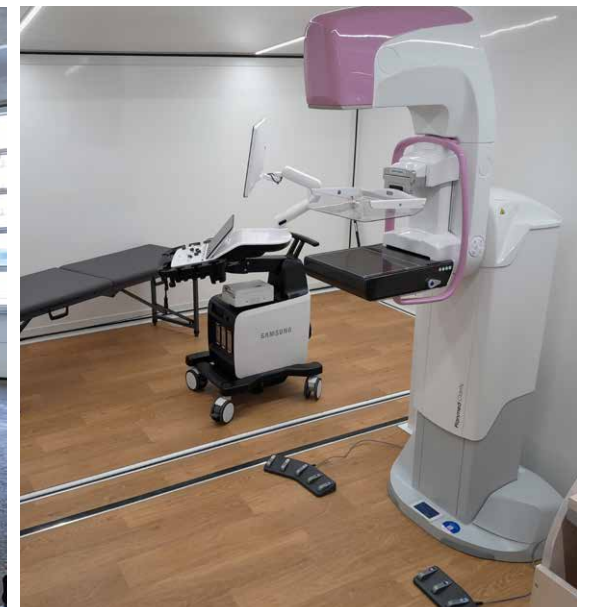
Owing to the compact design, durable a-Si detector and single phase power feed, the unit also adapts well to demanding conditions such as mobile installations. The unit can be installed into a truck or a van, transforming it into a fully functional mobile clinic.



Proximitycare, Italy



Unilabs, Finland



Planmed Clarity+™ 2D with an upgrade path

Working with potential breast cancer patients can be very demanding for both the staff and the equipment. Screening is a highly optimized process where technologists need to be both efficient and considerate, while diagnostic work-ups are meticulous studies of the breast featuring a variety of different imaging methods and careful sampling.

Planmed Clarity+™ 2D is the ideal solution for clinics seeking reliable 2D mammography with future-ready flexibility. It can be upgraded to include digital breast tomosynthesis, **Planmed CEM™**, and **Planmed GuidedBiopsy™** at any time.

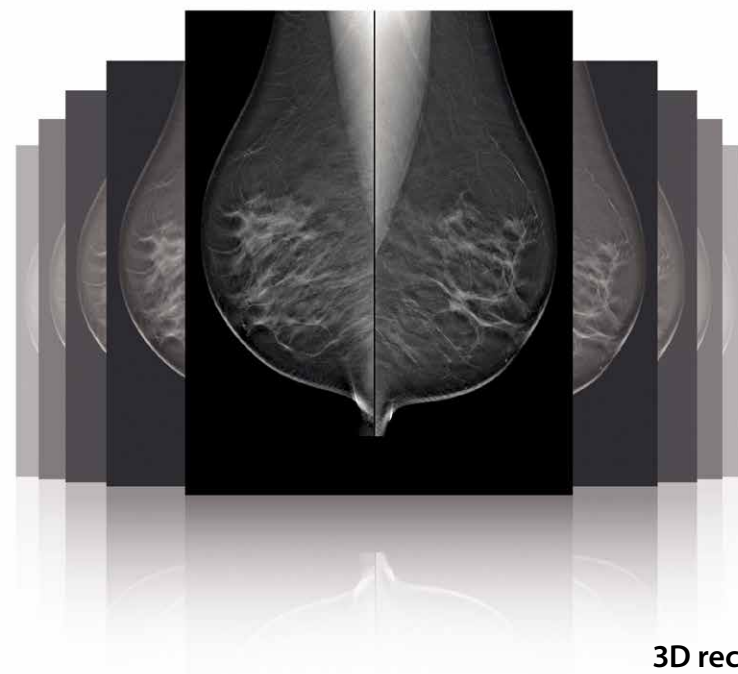


Planmed Clarity+™ 3D with next-generation DBT

Digital breast tomosynthesis (DBT) is an effective technology for breast cancer detection. In many studies, DBT has shown potential to increase sensitivity and decrease unnecessary recalls.

Superimposed tissue structure can severely impair breast cancer detection in a traditional mammogram. **Planmed Clarity+™ 3D** offers an unforeseen solution to this fundamental challenge in breast cancer detection.

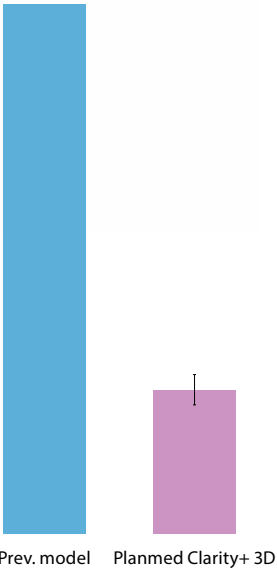
With Planmed Clarity+ 3D, we aim to make affordable DBT available to breast clinics around the world. Packaged in an eye-catching yet functional design, making it truly a unit for all.



3D reconstruction

3x faster DBT!

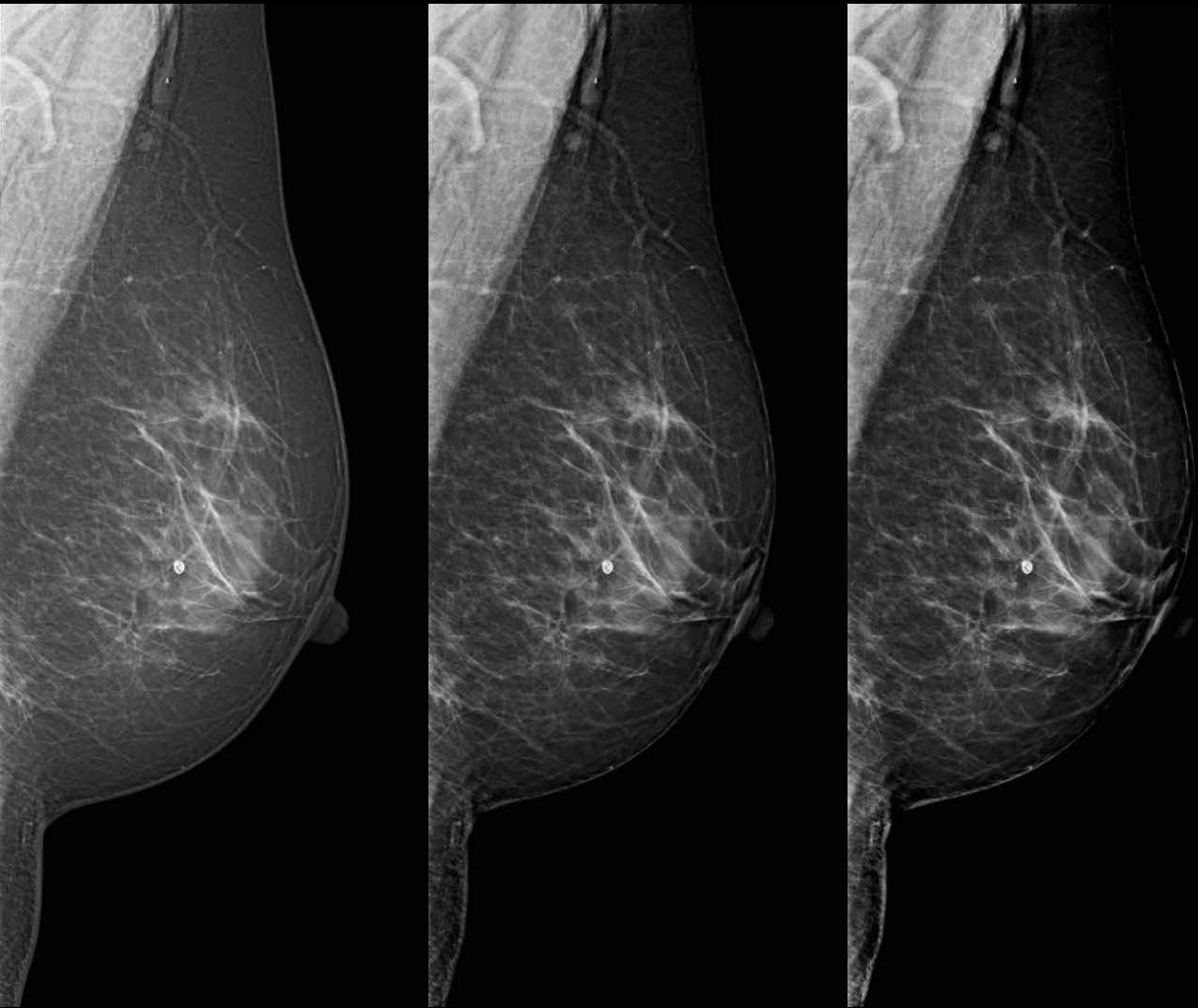
Planmed Clarity+ 3D's accelerated image processing minimizes waiting times, streamlines workflow efficiency, and empowers clinics to serve more patients with confidence and ease.



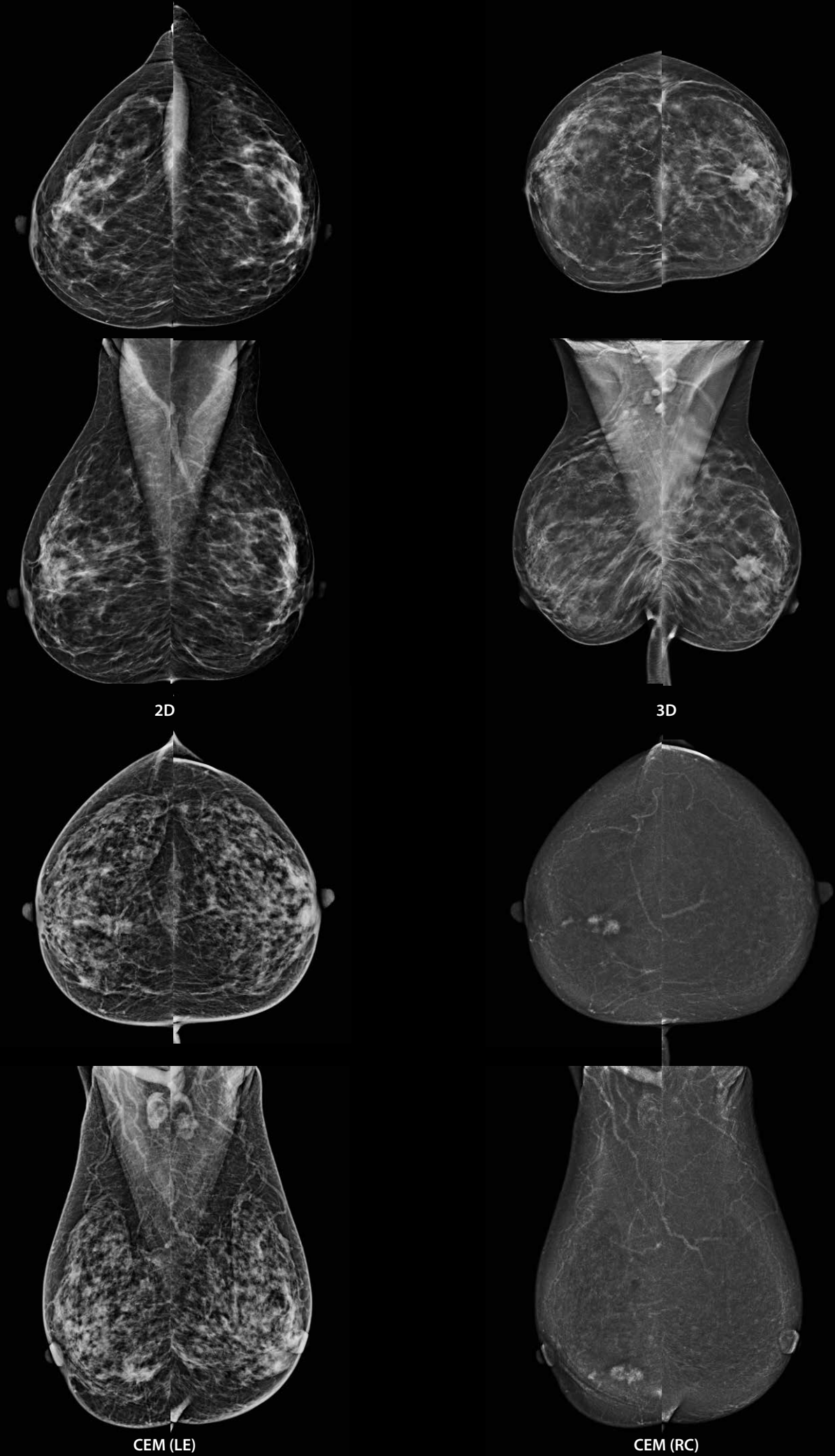
Fine-tuned digital breast imaging

Ensuring the best possible image quality at the lowest achievable patient dose is an everyday challenge in mammography. With the help of leading experts in the field, we have able to constantly meet the highest standards of patient care and safety – and then exceed them.

Our post-processing for contrast, sharpness and brightness can be fine-tuned to achieve the perfect image. Below are three image enhancement examples of the multiple possibilities available.



Adjustable Planmed CORE™ processing sample images with smooth, medium, and high contrast setting (from left to right)



Unique Planmed innovations



- Configurable dual touchscreen displays**
Perfect usability for fast and easy daily work using **Planmed Clarity™ Flow** with **OneTouch™** workflow. Precision targeting with **PriorView™**
- Full Field Flex-AEC™**
Large AEC area coverage for optimal imaging in every imaging mode
- Rugged detector and ultra compact bucky**
Steady and durable detector with ultra compact bucky for easy patient positioning
- MaxView™ breast positioning system**
Maximal tissue visibility for enhanced diagnostics
- SideAccess™ patient positioning system**
Optimal ergonomics for patient positioning

Work smarter with Planmed Clarity™ Flow

The **Planmed Clarity™ Flow** touch control will completely change your mammography experience. It is a unique and convenient way to access unit functions in an easy-to-learn environment. Planmed Clarity Flow offers a customizable mammography workflow solution for all – from beginners to more advanced mammographers.

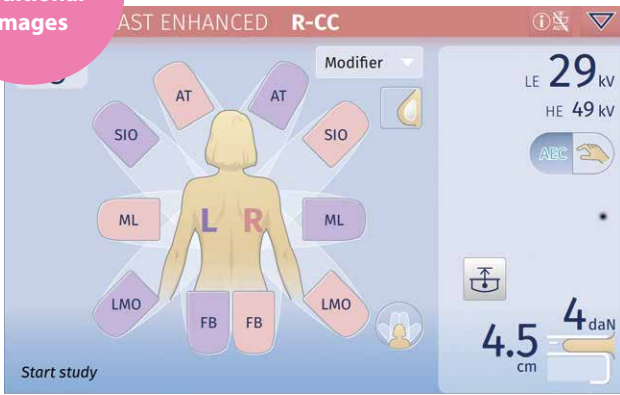
- **OneTouch™** easy and customizable workflow
- **PriorView™** display of reference mammograms
- Easy access to any projection at any time

Excellent usability

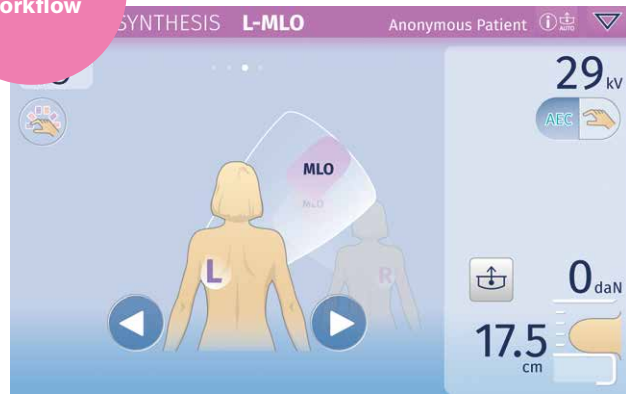
Adaptable, adjustable, touchable – these are the best words to describe one of the most striking features of the **Planmed Clarity+™** mammography unit. The Planmed Clarity™ Flow touch control with dual touchscreens provides a clear and simplified user experience. You can display a reference mammogram at the unit to aid positioning, for example, or use your own individual workflow sequence.



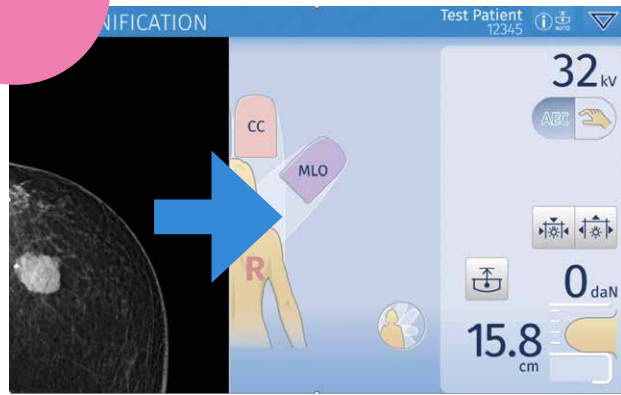
Access to additional images



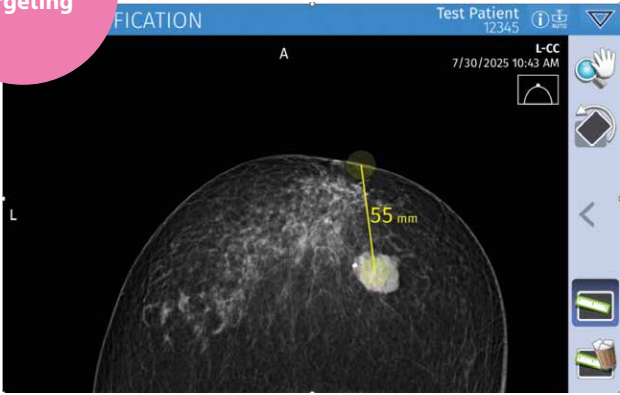
OneTouch™ workflow



PriorView™



Precision targeting



High-precision biopsy system – Planmed GuidedBiopsy™

The new **Planmed GuidedBiopsy™** system has been totally redesigned for optimal diagnostic performance, usability, and fast workflow.

Its exceptionally lightweight needle guidance unit, built-in connections, and compatibility with optional vertical or lateral vacuum-assisted biopsy devices make it versatile and simple to use.

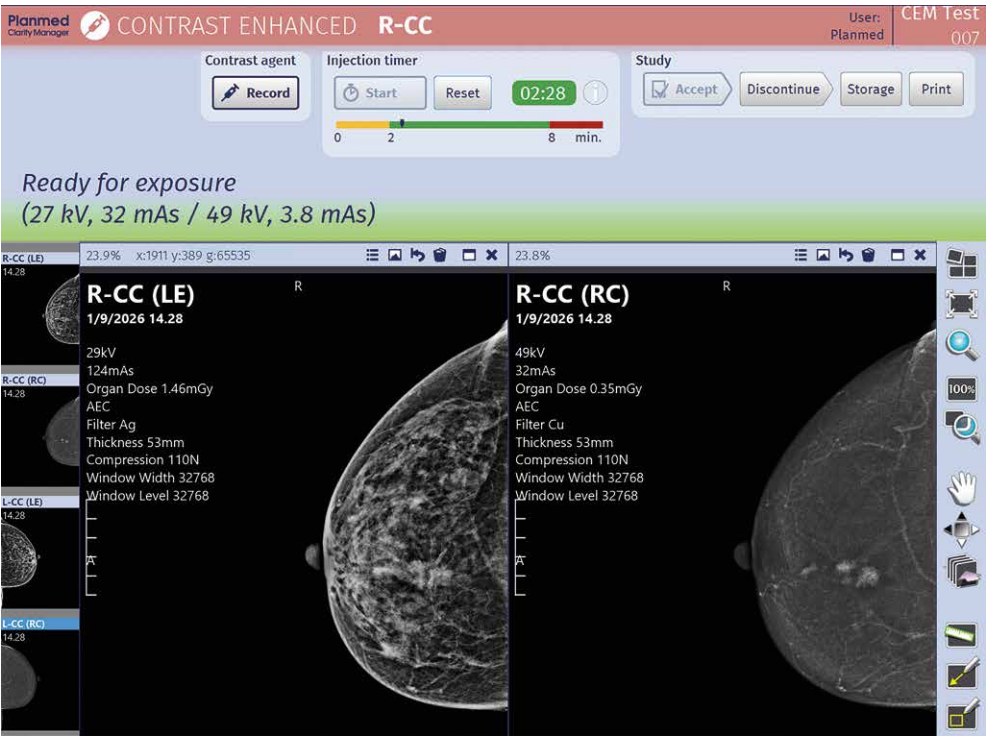


Contrast Enhanced Mammography (CEM)

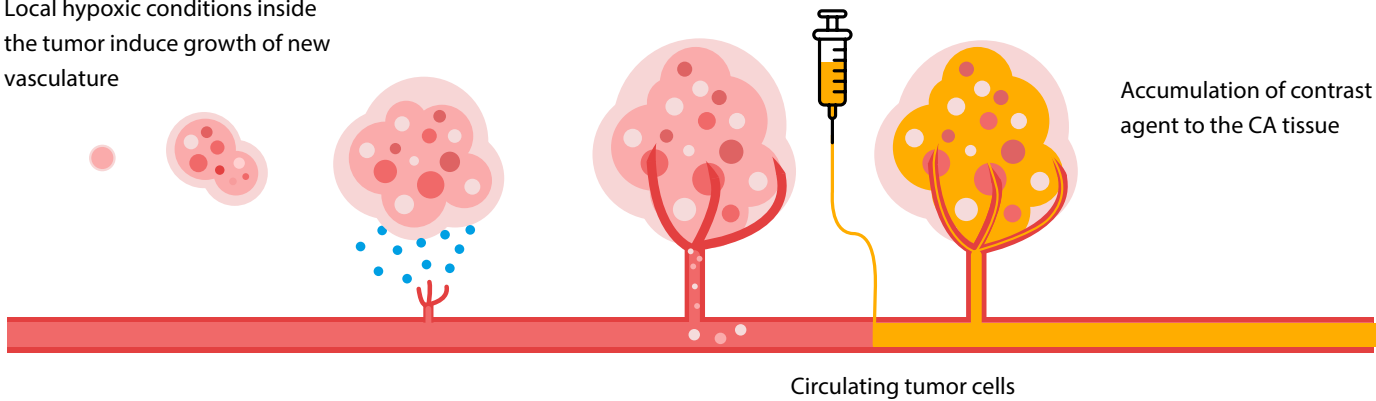
A key upgrade feature available for **Planmed Clarity+™** is **Planmed CEM™**

– an advanced imaging protocol that combines traditional mammography with an iodine-based contrast agent to enhance lesion visibility.

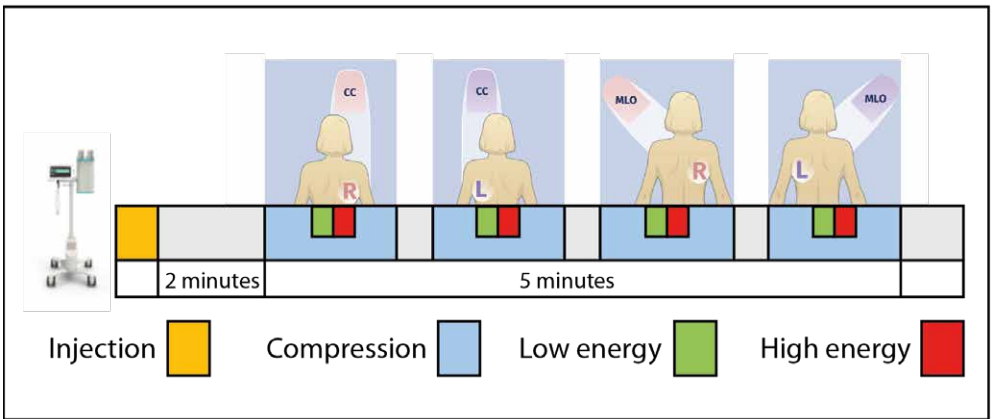
- In a CEM setting, i.v. contrast leaks through the endothelium of the new blood vessels inside the cancerous lesion.
- Accumulated contrast can be highlighted from the background with dual-energy imaging.



Local hypoxic conditions inside the tumor induce growth of new vasculature



Accumulation of contrast agent to the CA tissue



The typical **Planmed CEM™** imaging procedure including the CC and MLO views of both breasts.



Optimal positioning

Positioning a patient for a mammogram often requires awkward posture, which over time can lead to repetitive stress injuries for users. To ensure comfort and prevent strain, **Planned Clarity+™** units are full of features that improve positioning ergonomics.

Key Features

- **SideAccess™** patient positioning
- Manual compression
- Curved, contoured chin guard
- Extended patient handlebars
- New adjustable touchscreen displays
- Multipurpose base with color display
- Ultra compact bucky
- Optimal axial compression



Magnificent MaxView™

Our **MaxView™** breast positioning system enables optimal breast tissue visibility in all routine mammography views and tomosynthesis.

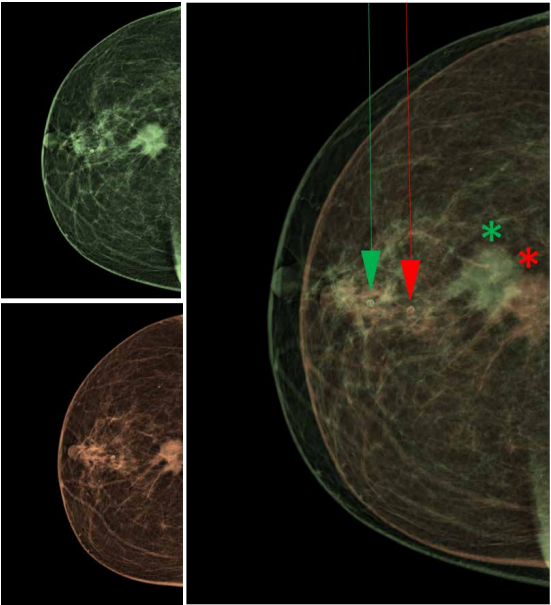
MaxView™ breast positioning system

In 1997, in his best-selling textbook Breast Imaging, Dr. Daniel B. Kopans wrote: *“Techniques are being developed to assist in drawing the breast over the detector to reduce the volume of that is not imaged. Movable sheets of material can be placed between the detector and the breast and between the compression paddle and the breast. These can be used to pull the breast further into the field of view, even after the compression has been applied.”* (Kopans 1998¹).

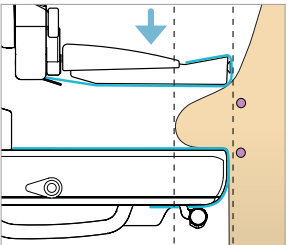
A clinical study involving 57 women demonstrated that MaxView captures more tissue in the FOV without additional discomfort (Moore et al. 2001²).

Breast positioning with MaxView

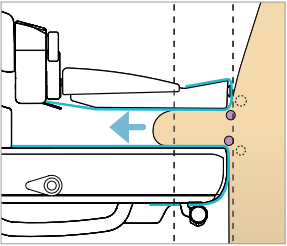
1. The breast is positioned normally with moderate compression.
2. MaxView sheets and the breast tissue are slowly pulled to the FOV.
3. Compression is finalized when optimal tissue visibility is achieved.



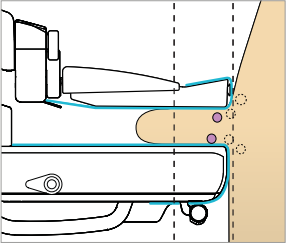
The **MaxView™** effect. Lower left; A lesion located outside (red sphere) is moved to the FOV with MaxView™, where it can be visualized (green sphere). Right; Overlay of two pseudocolored mammograms before (green) and after (red) MaxView™ Breast Positioning.



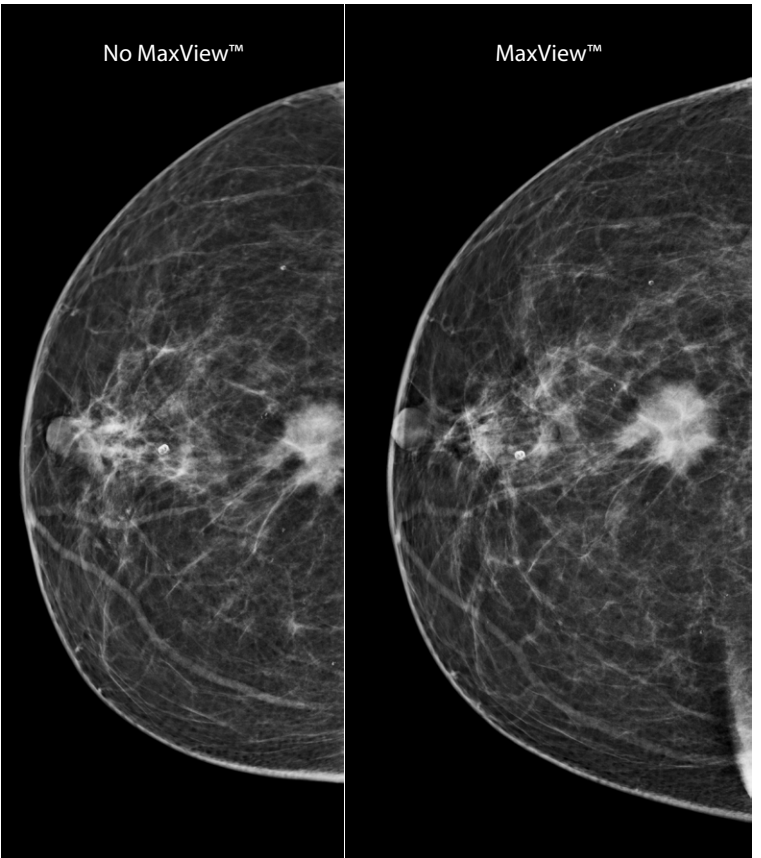
The innovative **MaxView™** uses moving, hygienic, radiolucent sheets above and below the compressed breast.



During compression, gentle traction is applied and the sheets draw the breast into the imaging field.



MaxView™ helps to capture tissue in the field of view.



1. Kopans DB. Breast imaging, 2nd edition, Lippincott-Raven, Philadelphia, 1998.
2. Moore RH, Kopans DB, Chorlton M, Raimondi J, Strömmer P, Mattila VP (2001): Improved Mammographic Positioning Using an Automated Assistance Device: MaxView. RSNA 2001 Scientific Paper Sessions p.557-558.

New colors



Rose



Orchidea



Sky



Lavender



Jade



Lime



Planmed Clarity+™ benefits in a nutshell:

- 3x faster DBT processing
- **Planmed CEM™**
- New high-precision **Planmed GuidedBiopsy™**

Planmed Oy develops, manufactures and markets advanced imaging equipment and accessories for mammography and orthopedic imaging.

Planmed's extensive mammography product range covers Digital Breast Tomosynthesis and full field digital systems, analog units, stereotactic biopsy devices, and breast positioning systems for an early detection of breast cancer. Within orthopedic 3D imaging Planmed offers low dose extremity CT imaging for quicker, easier and more accurate diagnosis at the point of care.

Planmed

Planmed Oy Sorvaajankatu 7 | 00880 Helsinki | Finland | tel. +358 20 7795 300 | fax +358 20 7795 664 | sales@planmed.com | www.planmed.com



Planmed Oy CE 0598 MD Planmed Clarity CE 0598 MD Planmed Clarity+ (not FDA cleared)
CE Planmed Wave MedTron AG CE 0482 MD Accutron CT-D Vision