



Selenia™ Dimensions™
Seeing Deeper



HOLOGIC™
The Women's Health Company

Selenia™ Dimensions™

Digital Mammography and Breast Tomosynthesis from Hologic.

For years, Hologic has been working at the forefront of the development of breast tomosynthesis. Now we are bringing forth the first practical tool for tomosynthesis in the real world. We call it Selenia Dimensions.

Selenia Dimensions starts with technology similar to that of our celebrated Selenia full-field digital mammography system. With its large amorphous selenium detector, it too can “direct capture” conventional digital mammograms with the same extraordinary clarity you’ve come to expect from Selenia. And incorporating a tungsten tube means we can do it with even less patient radiation dose than before.

But Selenia Dimensions takes you to the next step in detection: fast, low-dose, high-quality tomosynthesis images of the breast.



SELENIA
Dimensions



Breast Tomosynthesis. **A Way to Be Surer. Sooner.**

Breast tomosynthesis is the newly emerging method for delivering high quality images of breast tissue in three dimensions. We have good reason to believe it will be a quantum leap forward in breast cancer detection.

How does it work? Selenia Dimensions rapidly captures a series of low-dose images at different views around the breast. From these original images, we can quickly compute a “synthetic tomogram” sequence, separating the full depth of tissue into discrete one-millimeter layers. This separation of tissue into virtual layers helps the physician clearly see features which might be obscured in a traditional mammogram.

Now, breast cancer has nowhere to hide.

Clinical trials with Hologic breast tomosynthesis showed distinct improvement in clinical accuracy. They also showed dramatic gains in specificity — the confidence to rule out cancer without recalling the patient for further study.

That might be remarkable enough in itself. But consider that the tomosynthesis exam can be performed quickly, using no more radiation than a traditional mammogram. This means enhanced performance not just for diagnostic problem solving, but in everyday routine screening.

Now imagine what a difference that could make.

**To receive the clinical white paper, phone +1.781.999.7300
or visit www.hologic.com/tomo**



Hologic is defining the standard of care in women's health. Our technologies help doctors see better, know sooner, reach further and touch more lives. At Hologic, we turn passion into action, and action into change.

BREAST IMAGING SOLUTIONS | INTERVENTIONAL BREAST SOLUTIONS | BONE HEALTH
PRENATAL HEALTH | GYNECOLOGICAL HEALTH | MOLECULAR DIAGNOSTICS

HOLOGIC™

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