



**Selenia Dimensions™**  
Seeing Deeper



**HOLOGIC™**

## Selenia Dimensions™ 2D and 3D Breast Imaging 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.

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” 2D 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 exposure than before.

But Selenia Dimensions takes you to the next step in detection: fast, low-dose, high-quality 3D imaging of the breast.



## 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 normal 2D 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](http://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

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