

Wide-angle Breast Tomosynthesis

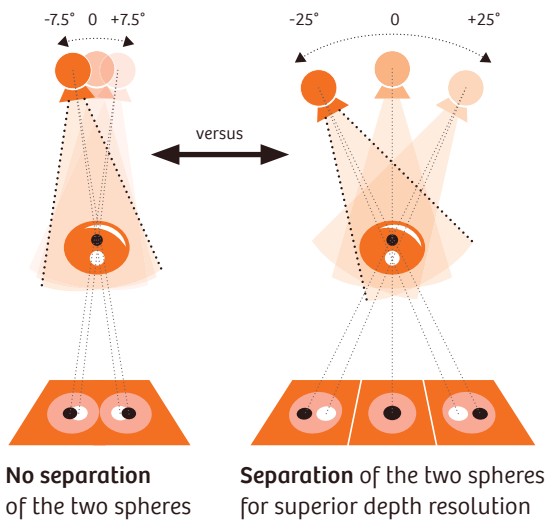
A Wider Angle— and Every Degree Matters

In the 3D breast exam, tumors are revealed by imaging and displaying the breast in slices that separate the overlying tissue layers. The slices are reconstructed into a 3D volume for better depth and contrast resolution, and ultimately a better image than a stand-alone 2D exam.

Every degree matters because the angular range of the tomosynthesis system and the number of projections have a direct effect on the resulting 3D information.

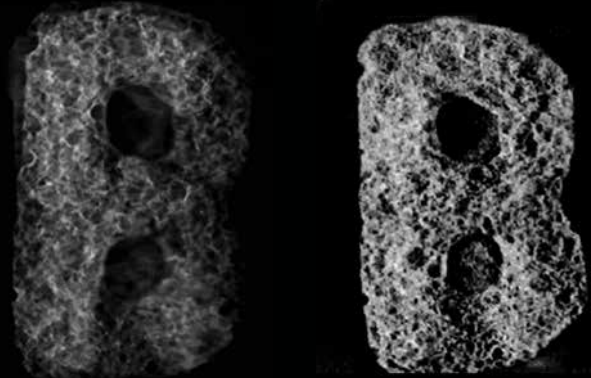
Only Wide-angle Breast Tomosynthesis from Siemens Healthineers offers:

- The widest angle of 50 degrees
- An image acquisition every 2 degrees
- A total of 25 images assembled into the 3D rendering—
with no binning



It's an important distinction because a wider angle delivers superb geometry for separating the different tissue layers. The result? More 3D information for a more informed decision.

Take the Cookie Challenge!



15° tomosynthesis

50° tomosynthesis

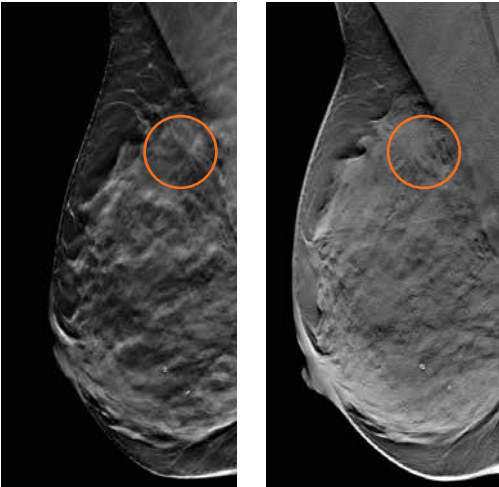
We applied our 50° tomosynthesis and the competition's 15° tomosynthesis to a set of ABC cookies. Ask your representative from Siemens Healthineers to show you which cookies crumbled!

"I was shocked at how good it was for calcifications. The ability to scroll through a calcification cluster to really see how it is distributed in three dimensions is great."

Aaron Rosenthal, MD, Radiologist
Imaging Specialists, Mt. Pleasant, SC

continued ►

Patient with palpable lump, upper aspect of left breast



15-degree
tomosynthesis

50-degree
tomosynthesis

The Case for a Wide Angle

This case study illustrates how the angle can make a difference.

Here, a lesion was imaged with both a narrower angle and with wide-angle breast tomosynthesis. Features that may be used to see cancer:

- Differences to normal tissue for detection
- Sharp margins to define the tumor size
- Spiculation, or branching, to show extent of the tumor

The clearer these features appear, the clearer your decision is about the lesion.

Two Ways to Learn More

1. Visit Us: usa.siemens.com/tomo
2. Call Us: **888-826-9702**

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