When the goal is to remove the entire tumor in a single procedure with maximum breast conservation

The MOZART® System

with TomoSpec® Technology

3-D Tomosynthesis,

the gold standard for mammography,

is now available in the OR.

KUBTEC

MEDICAL IMAGING

Only the MOZART® System uses 3-D Tomosynthesis for intraoperative breast specimen imaging.

"The value that 3-D tomosynthesis produces for screening mammograms directly correlates to similar improvements in intraoperative specimen mammography."

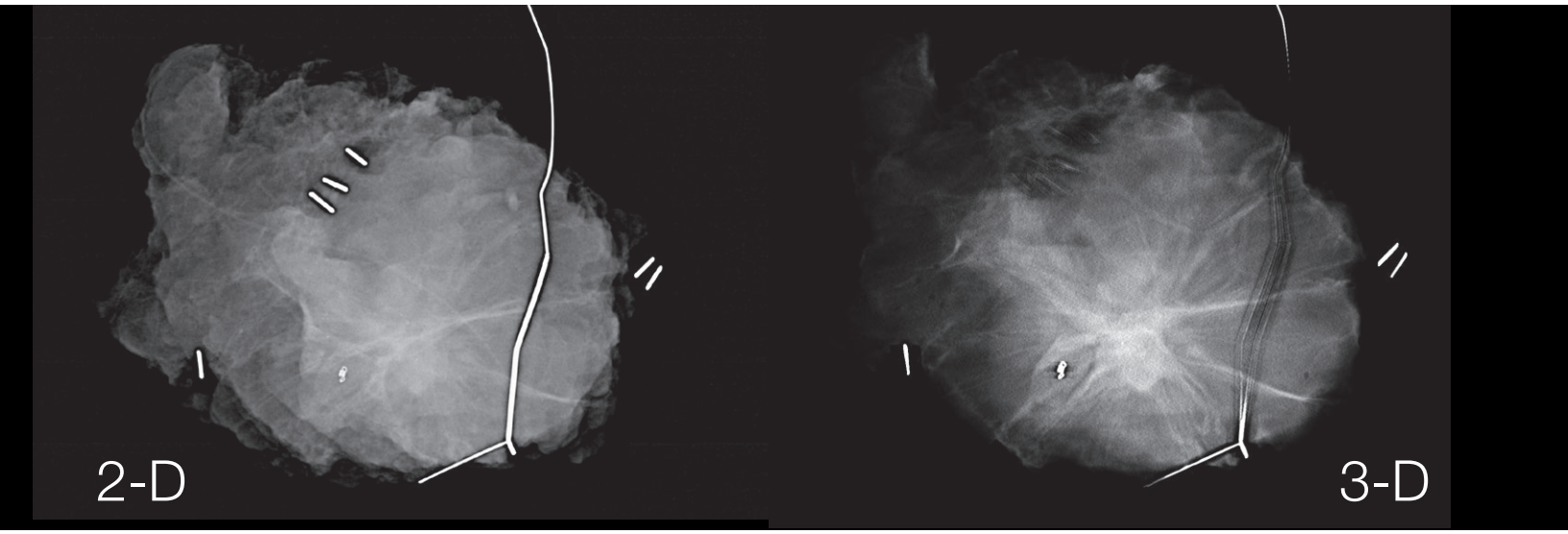
- Cary Kaufman, MD FACS

A Breast Surgeon's Use of Three Dimentional Specimen Tomosynthesis

The MOZART® System with TomoSpec® Technology

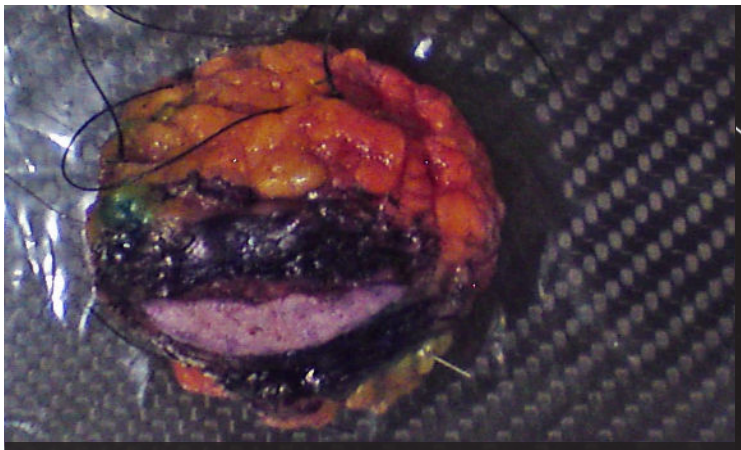
- Enables surgeons to differentiate between healthy and involved tissue for greater breast conservation.
- Provides clear images of targeted lesions through obstructions like dense tissue or skin.
- Creates true 3-D images of breast specimens in 1mm slices in a single operation.
- May be used with any specimen containers and compressed or uncompressed specimens.
- Identifies the exact location, character and extent of lesions three-dimensionally.
- Provides more information than 2-D orthogonal views, allowing easier, more accurate confirmation of the extent of the target excision.[1]
- Facilitates a reduction in re-excision rates and superior tissue conservation.
- Includes 2-D X-ray and high resolution optical image capabilities.

2-D vs. 3-D Tomosynthesis

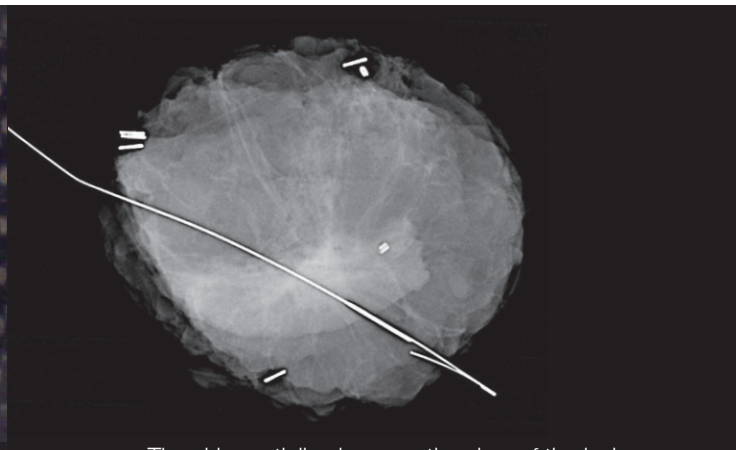


Look at the 2-D view first and you can see a central distortion. Look then at the 3-D Tomo Slice and notice the clarity of spiculations that can be seen, leaving no doubt that the lesion is centered in the specimen. Also note the three clips above the lesion in the 2-D are out of the slice in the 3-D view.

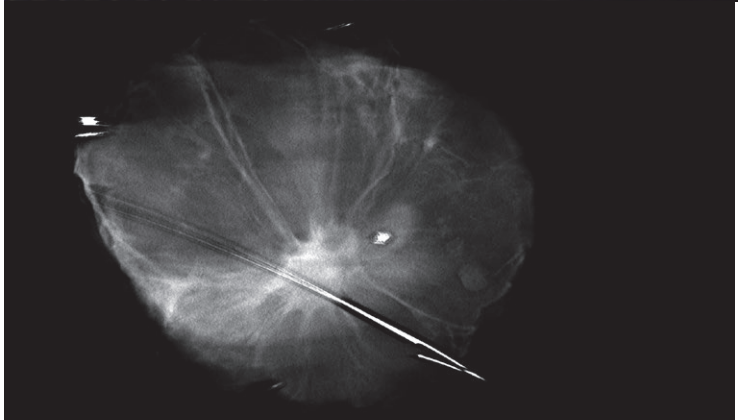
3-D Tomosynthesis, 2-D X-ray and HD optical images. In a single system.



Optical This view shows the orientation and also an area of skin removed with the specimen.



2-D The skin partially obscures the view of the lesion, and you can only get a general idea that a spiculated lesion is present.



3-D The spiculations radiating from this small cancer are shown with greater clarity together with the adequate margins surrounding it.

A 2-D image shows a suggestion of the lesion. The 3-D image shows the true character, location, and extent of the lesion.

The MOZART® System Features:

- Largest detector size (12 cm x 15 cm)
- 3-D Tomosynthesis and 2-D X-ray imaging
- Integrated high resolution optical camera
- K-VIEW® Composite Imaging, a single composite 2-D view of the 3-D data set
- DICOM compliant, multiple wireless image transmission to PACS with a single click
- Remote online diagnostic and training capability
- Images available in seconds
- No proprietary specimen containers required
- Adjustable height for monitor and keyboard
- Zero warm-up time and auto-calibration
- Anti-microbial surfaces

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The MOZART® System
with TomoSpec® Technology

Specifications

Detector Size	12cm x 15cm
Spatial Resolution	10 lp/mm, contact mode
Energy Range	10-50 kV
Tube Current	up to 1.0 mA
Window Filtration	0.005" beryllium
Focal Spot	50 µm, nominal
Integrated Optical Camera	13 Megapixel Standard
Power	90-250 VAC, 50/60 Hz, 500 VA
DICOM Features	Annotate, Store, Send, MWL
Size (W x D x H)	24" x 23" x 57" (61 x 58 x 145 cm)
Weight	300 lbs. (136 kg)

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[1] Kaufman et al - Visualizing the Real Difference between 2-D and 3-D Specimen Mammography, Poster NCBC 2016