

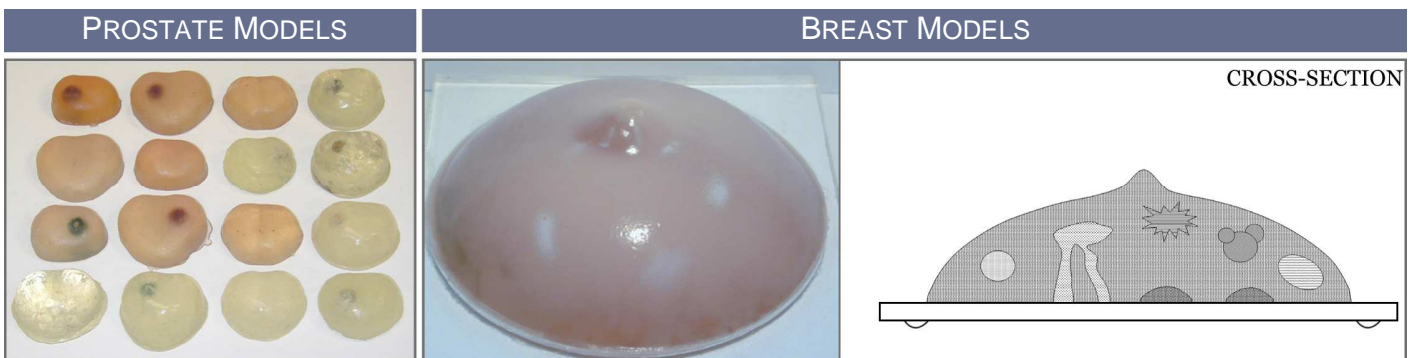
# BREAST AND PROSTATE MODELS

## MARKET-READY TECHNOLOGY

FIRST COMMERCIAL MODELS TO ACCURATELY AND QUANTITATIVELY REPRESENT TISSUE AND LESION HARDNESS

### TARGET APPLICATIONS

- TRAINING HEALTH PROFESSIONALS CONDUCTING PALPATORY EXAMINATION
- VALIDATION AND CALIBRATION OF ELASTICITY IMAGING DEVICES
- TEACHING AID FOR SELF-PALPATION BREAST EXAMINATION



Realistic models varying in dimensions, shapes, elasticity with structural inclusions closely mimicking lesions of various shapes: round, oval, lobular, irregular, etc., are available for marketing and distribution. Each model may include up to ten specifically located nodules.

### TARGET SPECIFICATIONS \*

	BREAST	PROSTATE
Normal tissue Young's elasticity modulus, E	5 kPa	10 kPa
Nodule Young's elasticity modulus, E	30-600 kPa range	30-600 kPa range
Nodule size	4 – 40 mm range	3 – 10 mm range
Nodule shape	spherical, oval, irregular	
Number of nodules	1-10	1-2

\* The model shape, dimensions and number of nodules can be customized on a per-order

## QUANTITATIVE REPRESENTATION OF THE ELASTICITY OF TISSUE

1.

Tissue Elastometer, a device for stress-strain measurements of small specimens, is used for assessment of the elastic properties of excised soft tissues and models.



2.

Models are used to test and calibrate Artann's elasticity imaging devices used in clinics.



3.

Elasticity images from the models are equivalent to those obtained from real organs.

