



Agatha

Digital Breast Tomosynthesis Phantom

Agatha phantom is used for constancy testing of image quality of digital breast tomosynthesis systems.

Agatha features & tests:

- 45mm thick slab of PMMA (160mm x 220mm)
- Features for testing missing tissue from chest wall (30% fatty / 70% glandular tissue)
- 4 nylon wires for testing Line Object Spread Function (LOSF).
- Perpendicular nylon wire for testing Signal-Difference-to-Noise-Ratio (SDNR).
- Tilted Tungsten wire for z-direction sensitivity profiles (ZSP)
- 3 spherical inserts for testing:
 - 3D MTF (3 and 5mm dia. 30% fatty / 70% glandular tissue material)
 - System geometry
 - tomographic motion
 - Reconstruction effects on SDNR and ASF (0.5mm dia. Al sphere)

Agatha includes:

- Phantom with positioning aid
- Hard protective case



www.leadstestobjects.com



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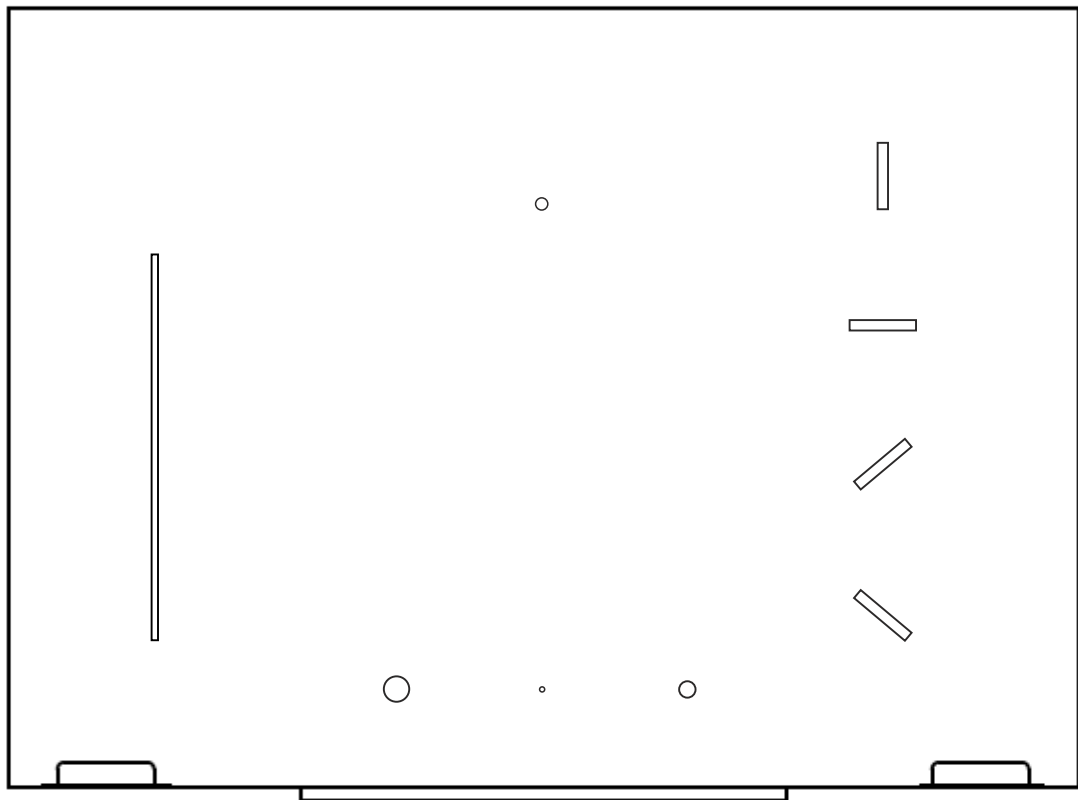


fig.1 Agatha detail layout



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