



## The Future of Breast Imaging — CT Laser Mammography

---

**F**ounded in 1993 and public since March of 1994, Imaging Diagnostic Systems Inc (IDSI) is committed to positioning the revolutionary CT Laser Mammography (CTLM®) System and the concept of laser-based breast imaging throughout the world. The CTLM system combines the technologies of laser molecular imaging and CT, providing physicians with more diagnostic information than with mammography alone. The addition of the CTLM system provides a leading-edge adjunct to conventional mammography.

CTLM technology, in combination with conventional mammography and other techniques, adds to the multidisciplinary approach to breast cancer case management, providing more information on breast abnormalities. This additional information could help physicians to differentiate between benign and malignant lesions, allowing physicians and patients to make more informed case management decisions.

CTLM provides unique images of breast function by displaying blood distribution and volume. This approach to breast imaging detects angiogenesis, the development of new blood vessels usually associated with cancer. Developing tumors send chemical signals to the body that stimulate such new blood vessel growth, creating a blood supply for the tumor.

# The Future of Breast Imaging — CT Laser Mammography

The CTLM system is a non-invasive breast imaging system that does not require breast compression or exposure to radiation. Patients lie facedown on the scanning bed so that the breast to be imaged is naturally suspended in the scanning chamber. As the laser rotates around the breast, the detectors collect absorption information in cross-sections, as in a CT exam. Physicians may view CTLM images in individual slices, or as 3-D volume images of the entire breast.

IDSI is focused on global commercialization and the diversification and enhancement of its technology, providing women worldwide with a radiation-free, compression-free breast imaging system. CTLM is a cutting-edge modality that represents the future of breast imaging. 🌐

*Contact Details:*

**Imaging Diagnostic Systems Inc**

Address: 6531 NW 18th Court  
Plantation, Florida 33313  
U.S.A.

Tel: +1 954 581 9800

Fax: +1 954 581 0555

URL: [www.imds.com](http://www.imds.com)