



LYKOS[®] DTS

Dynamic Targeting System™ Laser

Clinical laser for ART with advanced targeting features

The Dynamic Targeting System (DTS) option for the LYKOS laser represents the next generation of clinical lasers for Assisted Reproductive Technology.

Hamilton Thorne lasers are fitted with a 300 mW laser which can be fired for as little as 1 μ S reducing the exposure time and heat needed to achieve the required result.



The RED-i targeting feature allows visualisation of the laser target through the microscope eyepieces ensuring the laser fires exactly where required without any detrimental effects on the embryo.

Seamless video and image transfer provide clear, high-quality video and images in real time with no lagging, intermittent motion or resizing required, allowing user to be more accurate and precise with laser operation.

- ✓ Advanced targeting features
- ✓ Hands-free operation
- ✓ No loss of microscope features
- ✓ Closed system reduces risk of contamination from dust / humidity

Powered by Nexpring Health

Technical Specifications

LYKOS DTS

The LYKOS DTS laser product still provides all the benefits and features you would usually find in the Hamilton Thorne laser range plus a number of advanced targeting features.

Advanced targeting features



When DTS is enabled, you may choose one of several options to create the laser path:

- **Single shot:** click any single point on the screen and a single laser pulse will be applied to that exact point.
- **Line / curve:** draw a straight line of any length and then select and drag to create a curve.
- **Freehand:** any freeform path may be drawn by clicking and dragging the mouse pointer.
- **Multipoint:** click up to 25 non-connected locations to apply laser. Each point may have a different laser setting.
- **Rectangle:** click and drag to draw a rectangle of any proportion.
- **Circle Arc:** a circle arc (part or segment of the circumference of a circle) may be drawn and edited as needed.

Once the path is drawn, it may be selected, resized, and repositioned as needed.

Depending on the selected mode, the laser pulse, power and/or spacing may be adjusted with the changes immediately reflected in the laser path on the screen.

Built-in quality control reporting

Quality control is a vital part of laboratory procedure. The DTS positioning can be easily verified prior to use and the results of the verification saved. With the built-in quality control reporting, you can view the results of the daily verification in both numerical and graphical form. In addition, a Trend Chart lets you see the results over a selected period of time.

Product description

Order codes

LYKOS-DTS™ 40X Laptop computer digital

740531

LYKOS-DTS™ 40X Desktop computer digital

740532

LYKOS-DTS™ 40X No computer digital

740533

Caution: Federal (US) law restricts this device to sale by or on the order of a physician or a licensed healthcare practitioner trained and certified in its use. Laser-assisted hatching and laser-assisted biopsy are not recommended for use in all IVF patients. Please Note: For animal research and human stem cell applications, the HT Research Lasers should be used.



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