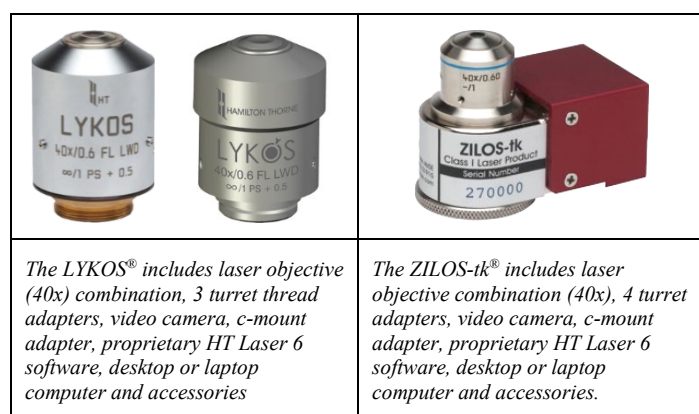


Assisted hatching and embryo biopsy is not recommended for routine use in all IVF patients. Caution: Federal law restricts this device to sale by or on the order of a physician or practitioner trained and certified in its use.



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CLINICAL LASER HARDWARE SPECS



The LYKOS® includes laser objective (40x) combination, 3 turret thread adapters, video camera, c-mount adapter, proprietary HT Laser 6 software, desktop or laptop computer and accessories

The ZILOS-tk® includes laser objective combination (40x), 4 turret adapters, video camera, c-mount adapter, proprietary HT Laser 6 software, desktop or laptop computer and accessories.

Microscope is not included.

Dimensions	H	W	D	
	in. (mm)	in. (mm)	in. (mm)	lb. (kg)
LYKOS:	1.65 (42)	1.26 (32)	1.26 (32)	0.28 (0.13)
LYKOS DTS:	1.65 (42)	1.34 (34)	1.34 (34)	0.30 (0.14)
ZILOS-tk:	1.65 (42)	1.1 (28)	2.1 (54)	0.5 (0.22)
Controller:	3.8 (95)	2.5 (63.5)	1.8 (46)	1.0 (0.45)
DTS Contr.:	3.89 (99)	3.82 (97)	1.44 (37)	1.21 (0.55)
MiniTower:	11.5 (292)	3.7 (92.6)	11.4 (290)	11.57 (5.26)
Monitor:	20.2 (513.5)	21.9 (556)	7.1 (180.3)	10.1 (4.6)
(with stand)				
Laptop:	0.9 (23.45)	14.8 (376.9)	10.1 (255.2)	4.71 (2.14)

Electrical	MiniTower	Monitor	Laptop
Input Voltage:	110-240 VAC	110-240 VAC	110-240 VAC
Power:	250 watt (max)	72 watt (max)	90 watt (max)
Line Frequency:	50/60 Hz	50/60 Hz	50/60 Hz

Laser

Type:	1460 nm, Infrared Solid-State Diode
Maximum Power:	@ Focus = 300 mW (Class I)
Laser Modes:	LYKOS: 3 modes ZILOS-tk: 2 modes
Clinical:	3 user-definable pulse lengths [default 200, 400, 600 µs] Power 100% (fixed) 15 second firing limit
Validation:	Pulse length adjustable 1 - 3000 µs Power adjustable 1 - 100%
Multipulse:	Pulse length : 1 - 3000 µs
(LYKOS Only)	Power adjustable : 1 - 100% Power adjustable : 1 - 100% Repetition rate per sec: 1 - 1000 Mean power maximum: 10 mW 600 second firing limit
Firing:	By mouse or foot switch
Target Marker:	Circle, color selectable; Arrow, color selectable; Isotherm Rings showing peak temperatures and hole size. May select which rings to display and one custom temperature.
Laser Alignment:	Aligned and locked at factory. No on-site physical laser alignment required
Target:	Adjust target alignment on-screen

LYKOS Objective

Standard:	40x, 0.60 N.A., I.R. (High transmission in the UV [>350 nm], visible and near-infrared, long working distance)
Correction:	Infinity corrected for 1 mm thick polystyrene Petri Dish, on 500 µm glass heater plate A nose cap corrector is available if use without the glass heater plate is required.
Working Distance:	1.7 mm to glass heater plate
Parfocality:	< 40 µm
Compatibility:	3 RMS thread adapters permit installation on all major microscope models

ZILOS-tk Objective

Standard:	40x, 0.60 N.A., I.R. (High transmission in both the visible and near- infrared, long working distance)
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Magnification Calibration

Scale Calibration:	Performed interactively on-screen Calibrate and save multiple objectives
Scale Bar:	Scale bar graphic overlay automatically adjusts based on calibrated objective. May be saved with images/video.

RED-i Target Locator (LYKOS Only)

Source:	Red LED built into laser module
Alignment:	X-Y mechanical adjustment to center of laser beam using Isotherm Rings as guide
Intensity:	On-screen intensity adjustment

Video

Camera:	High resolution, large format digital color Full screen view available
Illumination:	Microscope control, image on screen

Laser Safety

EN IEC 60825-1:2014:	Class 1
21 CFR 1040.10:	Class I
Timer:	Laser must be discharged within 15 seconds of activation while in Clinical mode; within 600 seconds in Multipulse mode.

Computer (subject to change)

Type:	Dell MiniTower / SFF	Dell Laptop
OS:	Windows 10 Pro (64-bit)	Windows 10 Pro (64-bit)
CPU:	Intel Core i7	Intel Core i7
Memory:	8 GB	8 GB DDR3
Drives:	1 TB GB HD 8x DVD+/-RW SATA	500 GB HD External 8x DVD +/-RW
Display:	24" Flat Panel Widescreen (16:10)	15.6" HD Anti-glare
Ports:	6 USB 3.0 (2 on front) 4 USB 2.0 (2 on front) 1 Serial 2 Display Port 2 PS/2 1 Line-in (stereo/microphone) 1 Line-out (headphone/speaker)	3 USB 3.0 (one with PowerShare) 1 HDMI 1 Display Port SD Memory card reader Combo Stereo headphone & Microphone jack
Network:	10/100/1000 Ethernet 1 RJ45 port	10/100/1000 Ethernet 1 RJ45 port (used by camera) Wireless LAN
Mouse:	Wired	Wired
Keyboard:	Wired	Integrated

Specifications subject to change without notice.