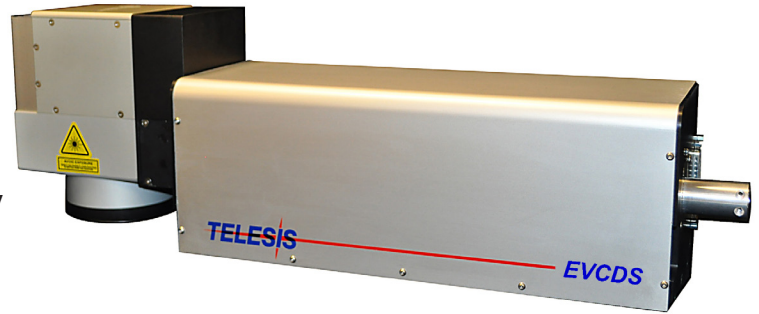




## E-SERIES - EVCDS Diode-Pumped Solid State Laser

The Telesis EVCDS marker is an extremely cost effective DPSS laser based on a proven advanced Q-Switched, fiber-coupled diode end-pumped Nd:YVO<sub>4</sub> laser platform for applications requiring high beam quality and stability. It features a dual sensor shutter safety system and its exceptional power stability at all power levels makes the EVCDS an ideal choice for engraving, annealed marking, or high speed marking on delicate and heat sensitive electronic components, thin foils and medical instruments. The EVCDS is completely air cooled with a very compact, easily integrated package requiring very little maintenance. With an expected lifetime for the pump diode of over **200,000 hours**, down time is dramatically reduced. Because of the modular fiber coupled design, diode replacement can be completed quickly with no need to realign the laser. The compact footprint of the system allows for the easy integration into both manual off-line and automated in-line applications with Marking-On-The-Fly (MOTF) support for high volume applications.\*



Model E10 Series Controller

### LASER MARKER SPECIFICATIONS

Compliance.....	CDRH
Wavelength.....	1,064 nm
Laser Type.....	Fiber-coupled diode end-pumped, Q-switched Nd:YVO <sub>4</sub> laser
Laser Beam Mode .....	TEM <sub>00</sub>
Average Power .....	9W
Positioning.....	Visible Red Diode Light
Optical Fiber Length .....	1.75 meters (5.74 feet) standard
Cooling .....	Air Cooled, active thermo-electric
Operating Temperature Range.....	16° to 40°C (61° to 104°F)
Humidity.....	10% to 85% Non-condensing
Mounting Weight.....	Approx. 14.5kg (32 lbs.)
Marking Head Dimensions .....	
	15.4 (W) x 18.8 (H) x 61.1cm (L)
	(6.1" x 7.4" x 24.1")
Controller Dimensions.....	
	42.5 (W) x 14.0 (H) x 48.8cm (L)
	(16.8" x 5.5" x 19.2")
Controller Weight.....	15kg (33 lbs.)
Input Power .....	95-250 VAC, 6A, 50/60 Hz
System Power Consumption.....	< 400W

### STANDARD LENS CONFIGURATION

FOCAL LENGTH	MARKING FIELD
100mm.....	65mm X 65mm (2.56" X 2.56")
160mm.....	110mm X 110mm (4.33" X 4.33")
254mm.....	175mm X 175mm (6.89" X 6.89")

Other lens configurations are available

### SOFTWARE

Software .....	<b>MERLIN</b> ® II LS (see page 15)
Operating System .....	Windows® 2000, Windows XP, Windows Vista™, or Windows® 7 with Desktop PC (Std), Optional Laptop
Communication Interface .....	Serial, TCP/IP, I/O

\*MOTF Version and embedded PC controller versions available at additional charge



Features DATA MATRIX™ 2-D Code Marking Capability  
Meets all Department of Defense UID Requirements