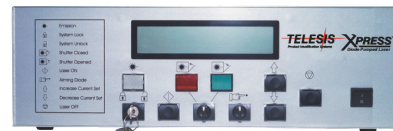
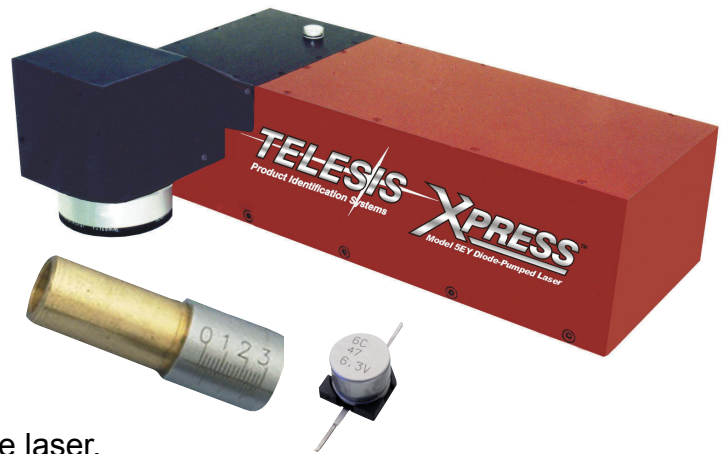




## E-SERIES EV7 Diode-Pumped Solid State Laser

The Telesis EV7 marker is based on an advanced Q-Switched, fiber-coupled diode end-pumped Nd: YVO4 laser for applications requiring high beam quality and stability. Its exceptional power stability at all power levels makes the EV7 an ideal choice for high speed marking on delicate and heat sensitive electronic components, thin foils and medical instruments. The EV7 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 20,000 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.



MODEL XP1 SYSTEM CONTROLLER

### LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
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>
CW Power .....	7W
Positioning .....	Visible Red Diode Light
Optical Fiber Length .....	1.75 meters (5.74 feet) standard 4.75 meters (15.58 feet) optional
Cooling .....	Air Cooled, active thermo-electric
Operating Temperature Range .....	18° to 35°C (65° to 95° F)
Humidity.....	10% to 85% Non-condensing
Mounting Weight.....	approx. 13.6Kg (30 lb.)
Marking head dimensions.....	31.75 (W) x 15.72 (H) x 42.9cm (L) (12.5" x 6.187" x 16.885")
XP1 Controller diminsions.....	43 (W) x 14 (H) x 51cm (L) (17" x 5.5" x 20")
Input Power (selectable).....	115/230 VAC 50/60 Hz
Max. Power Consumption.....	Less than 500W

### 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")

Other lens configurations are available

### SOFTWARE

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



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