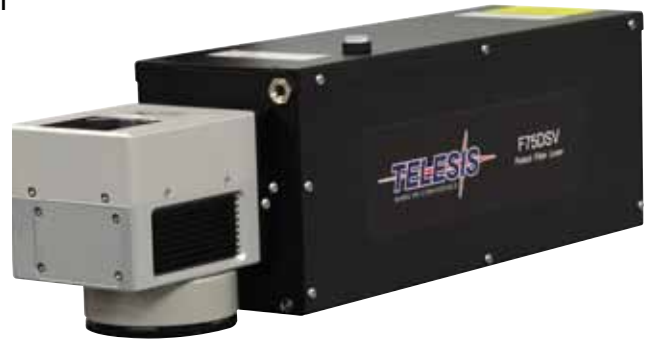


The TELESIS F-Series is a family of maintenance free Q-switched ytterbium fiber lasers specifically designed for marking applications with average power levels from 30-75W. These lasers deliver a high power laser beam directly to the marking head via a flexible metal sheathed fiber optic cable. Integrated into every F-Series head is our TeleView camera (with Cognex available as an upgrade). TeleView offers the ability to use a laser focus indicator, a viewfinder and optional 2D code read and grade. Coupling this feature with our Vari-Z 3D marking creates one of the most user friendly lasers in the industry.



The F-Series Laser Marking Systems offers a best in class 100,000 hour MTBF diode reliability with no water cooling requirements, and only single phase 110/220VAC power requirements.

### LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE, CSA, UL
Wavelength.....	1,060nm
Laser Type.....	Q-Switched Ytterbium Fiber Laser
Average Power F75/50/30.....	75/50/30
Long Term Power Drift.....	< +/- 5%
Optical Isolator.....	Standard
Positioning.....	Visible Red Diode Light
Base Head Dimensions.....	573 x 133.4mm (22.6 x 5.25")
Vari-Z Head Dimensions.....	733.7 x 164.9mm (28.88 x 6.49")

### STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm.....	65mm X 65mm (2.56" X 2.56")
160mm.....	90mm X 90mm (3.54" X 3.54")
163mm.....	110mm X 110mm (4.33" X 4.33")
254mm.....	175mm X 175mm (6.89" X 6.89")
330mm.....	230mm X 230mm (9.06" X 9.06")
350mm.....	250mm X 250mm (9.84" X 9.84")
420mm.....	290mm X 290mm (11.42" X 11.42")

Model 6 Controller Dimensions.....	42.7(W)x 14.5(H)x 50.8cm(D) (16.8 x 5.7 x 20.0in.)
Input Power (Selectable).....	95-250VAC, 50/60Hz
Maximum Power Consumption F75 .....	Less than 100W
Maximum Power Consumption F50 .....	Less than 400W
Maximum Power Consumption F30 .....	Less than 280W
Cooling.....	Air Cooled, Fan/Filter (no water cooling required)
Operating Temperature Range .....	11° to 35°C (5J° to 95°F)
Humidity.....	10% to 85% Non-condensing

### SOFTWARE

Software.....	<b>MERLIN® II LS</b>
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O



Model 6  
Series Controller



QR Code Web Page Product Link

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