U-Series - UVC
Diode-Pumped Solid State Laser

Our strong portfolio already boasts some of the most versatile and reliable systems in the industry, and with the addition of the ultra-compact UVC based laser marker, Telesis has gained flexibility and broadened the reach of applications that can be addressed. Telesis offers an industry leading 18 month warranty on the UVC along with a global support organization. The 355 nm UV laser wavelength is versatile in marking a wide range of materials and perfect for "cold marking" applications where heat affected zones are not allowed – the UVC can mark plastics and silicone materials without the need of additives and can also mark glass with a reduced risk of microfracture. The excellent beam quality also affords this laser the ability to be utilized in micro marking applications such as electronics, circuit boards and microchips, in addition to solar panels and precise medical marking applications.

CD shown to scale

LASER MARKER SPECIFICATIONS

Compliance..CDRH, CE
Wavelength...335nm
Laser Type............................. Fiber-coupled diode end-pumped
Q-switched UV laser
Laser Beam Mode .... TEM$_{00}$
Average Power...Up to 2W
Positioning ....Visible Red Diode Light
Optical Fiber Length ....1.75 meters (5.74 feet) standard
Mounting Weight....................................approx. 14.5kg (32lbs.)
Marking head dimensions...
570.20 x 170.10 x161.80mm
(22.449" x 6.697" x 6.37")
Controller dimensions ....
43.9(W) x 21.1(H) x 43.9cm(L)
(17.3" x 8.3" x 17.3")
Controller Weight...17.3kg (38.0lbs.)
Input Power 115/230VAC 50/60Hz
System Power Consumption...< 950W
Cooling .... Air Cooled, active thermo-electric
(no water cooling required)
Operating Temperature Range ....18° to 35°C (65° to 95°F)
Humidity..10% to 85% Non-condensing

STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm	65mm X 65mm (2.56˝ X 2.56˝)
160mm	110mm X 110mm (4.33˝ X 4.33˝)
255mm	175mm X 175mm (6.89˝ X 6.89˝)

SOFTWARE

Software....................................**MERLIN® II LS** (see page 24)
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

*MOTF Versions and embedded PC versions available at an additional charge