

## LMS6000 Laser Marking System

The LMS6000 Laser Marking System is a fully functional, closed-loop, Ytterbium doped fiber laser system that is fast, efficient, flexible and reliable. The LMS6000 system comes integrated with state-of-the-art software and transport systems. These integrated systems are capable of marking on a variety of flat label materials.

Optional direct marking module provides the capability to mark on specific metallic and plastic components.

The system comes complete with a fume extraction system to meet the strictest of emission and safety regulations. If validation is not required, the system can be fitted with an optional cutter used to cut the labels as they exit the marking chamber.



### Printer specifications

Operating power	85-220V, 50-80Hz - laser 110V, 60 Hz - fume extractor
Maximum output power	10 watts laser power, 0.5mJ
Power consumption	350W Laser only
Operating temperature	10-40 °C
Humidity non-condensing	30-85%
Weight:	42KG
Laser type	Ytterbium doped fiber laser, pulsed Q-switched
Cooling system	Air cooled
Beam dimensions	TEM-00 (M2<1.4), Plano Spherical 163
Wavelength	1062nm
Pulse width	100nsec
Pulse frequency	20-80MHz
Pilot laser	650nm/ 1mW
Laser protection class	4
Marking area	130mm x 130mm
Resolution	725-1000 dpi
Beam attenuator	Galvo Mirrors, Safety shutter included
Exhaust	Integrated fume extractor with Rheostat control, filter layers and exhaust indicators

### Software specifications

Operating system	Windows 2000 and XP, Pentium IV, 500-Mhz, 150 MB hard drive, USB Interface
Graphics	All standard dimensional, PLT, DXF, BMP, JPG, PCX, WMF, EPS, TIFF. all elements can be scaled, moved, grouped or mirrored
Barcodes	1D - Code 39, Code 93, Code 128, Data Matrix - ECC200, QRCode
Characters	All true type fonts under Windows, filled, out lined, laser specific double or triple line fonts. All fonts can be scaled or wobbled stretching, compressing, circular arc
Integration capabilities	Industry standard ERP/MPR systems, databases and programs

### Product order code

### Description

LMS6000-130	Tyco Electronics LMS6000 laser - standard
LMS6000-XYZ30	Direct part marking module 300mm x 300mm
LMS6000-XYZ80	Direct part marking module 800mm x 800mm
LMS6000-XYZ100	Direct part marking module 1000mm x 1000mm - fume extractor unit
LMS6000-FE-110V	Integrated fume extractor system Verifier/Validator Part No. LMS6000-VRF-100, integrated data matrix verifier/validator