

LASER WIRE MARKING MACHINES

LWM-20, LWM-50

The LWM-20(50) are computer controlled, high speed wire and cable marking systems using UV radiation of Nd:YAG third harmonic (355nm). Contrary to traditional marking by hot stamp, IR and visible lasers - UV laser marking based on photochemical induced color changes in thin surface layer (10-20 μm) provides high contrast mark without any damage of wire coating.

Features

- * High contrast marking that will not rub off
- * Totally microprocessor control
- * Surface print, no insulating damage
- * Compact ergonomic structure
- * Unalterable contrast marking
- * High speed up to 30 m per minute
- * Low maintenance requirements
- * Resize cable cutting and stripping
- * Meets MIL-W-5088L, MIL-M-81531
- * Precision mask character system, 1 shot per character
- * Class 1 laser product for use on open shop floor



SPECIFICATIONS

Parameters	LWM-20	LWM-50
Wavelength, nm	355	
Pulse repetition rate, Hz	20	50 (75*)
Marking speed, m/min	1.2-12	3-30
Machine speed of wire output, m/s	Up to 2	
Characters size, mm	1,2x0,8-2,1x1,4	
Inter characters spacing, mm	More than 1	
Type of symbols	Full graphics capability including upper and lower cases of alpha-numeric characters	
Character orientation	Vertical, horizontal	
Wire diameter, mm	≤5,5	
Type of wire coating	PEF, PTFE, FEP, ETFE, XL-ETEF, etc.	
Computer requirements	Microsoft® Windows®	
Power requirements	220±20 V, 50/60 Hz, 10 A	
Compressed air, bar	4	
Dimensions, LxWxH mm	2300x850x1400	

* On customer requirements.

Operation conditions: Ambient temperature, 15-30 °C, Relative humidity from 20% to 80% (non condensing)