



ULYXE FAMILY SERIES

The Ulyxe product line provides ideal laser marking solutions for both stand-alone applications and industrial production lines. Integrated 6.5W DPSS laser marking system, due to its cost-effective, innovative design, Ulyxe becomes the first choice in marking solutions by providing the best price/performance for plastic and metal marking applications.

ALL-IN-ONE COMPACT LASER

- Air-cooled, reduced footprint ultra-compact design.
- 'all inclusive' design: scanning head, power & control electronics, marking controller, diagnostic and software suite.
- Embedded visible aiming beam and focus beam for fast and easy focusing setup and marking operations.
- User-friendly touch screen LCD display for monitor and control laser status and functions.
- Patented, high efficiency laser configuration.
- Best Price to Performance ratio on the market



LASER MARKING

FLEXIBLE CONFIGURATION

Ulyxe laser family is available in two different configurations to meet the requirements of wide range of applications and industries.

USB Embedded

Thanks to the embedded DPS controller, perfectly combines compact dimensions with user-friendly interface and control software (LIGHTER 6 Suite): installation, setup and marking has never been easier. This configuration is available both in polycarbonate or metal case.

iMark control kit

Ulyxe is now fully compatible with Mark PCIe control platform controller, enabling advanced Lighter features and up to 4 axis controls (X,Y,Z and rotative axis) to implement multi-layers and rotating marking. Ulyxe with iMark is available only with metal cover

APPLICATIONS

Ulyxe series has been developed to satisfy requirements in automotive, electronics, healthcare and fine mechanics industries, in stand-alone or automatic production lines

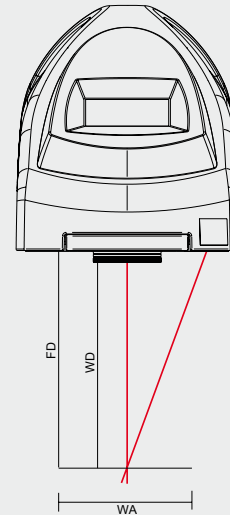
- Label Marking
- DPM (Direct Part Marking)
- Tool marking
- Marking on surgical tools/devices



ULYXE

CHARACTERISTICS	
Nominal Power	6.5W ± 5% (@ 50kHz)
Max Pulse Energy (Typ.)	300µJ@15 kHz
Wavelength	1064 nm
Laser Source	Q-switched DPSS
Repetition Rate Range	15 -200 kHz
Pulse Width	20-25 ns@20kHz
Aiming & Focus Beam	Semiconductor laser 1mW @ 635 nm
Interface	USB embedded controller version : USB 2.0 ; RS232 for diagnostic iMark controller version: PCIe ; RS232 for diagnostic
I/O extension (iMark configuration only)	4 axis controls (X,Y,Z and rotative axis) Up to 16 digital programmable I/O
Temperature Range	Operative 15°C to 35°C – Storing -5 to +55 °C
Cooling System	Air cooled
Power Supply	24VDC/13A
Laser Power Consumption	Typical 200W – Maximum 300W
Dimension & Weight	mm 425,9 x 154 x 170,5 kg 7,5 (for Embedded configuration) mm 410 x 145,6 x 123,5 kg 7,8 (for Marking kit configuration)

All laser sources described in this product guide are Class 4 laser sources. Laser interaction with organic or inorganic material can cause TOXIC FUMES/PARTICLES. The OEM laser components described in this product guide is for sale solely to qualified manufacturers, who shall provide interlocks, indicators and other appropriate safety features in full compliance with applicable national and local regulations.

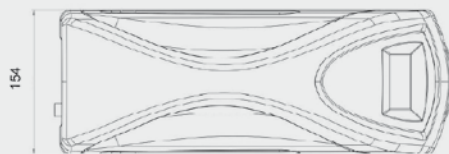
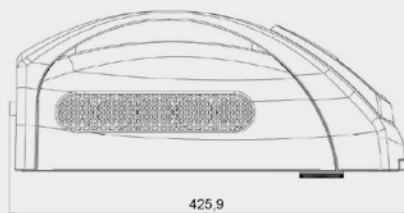
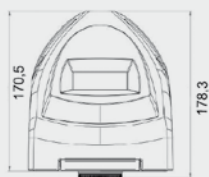


S (small) > Ø = 47mm

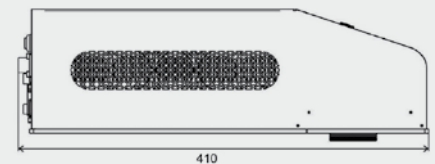
Objective F-Theta mm	f=160S (M39x1)	f=254S (M39x1)
Working distance (WD) mm	178	282
Fixing distance (FD) mm	186	298
Working area (mm x mm)	100x100	140x140

Other f-Theta focal lengths available on request

DIMENSIONS



ULYXE EMBEDDED



ULYXE MARKING KIT

MODEL SELECTION AND ORDER INFORMATION

MODEL	DESCRIPTION	ORDER NO.
ULYXE 1066-1010 DPSS IR System	Ulyxe MKR 6W@1064 without F-theta Lens (USB Controller and polycarbonate case)	985130003
ULYXE 1066-1310 DPSS IR System	Ulyxe MKR 6W@1064 with 160S F-theta lens (USB Controller and polycarbonate case)	985130001
ULYXE 1066-1015 DPSS IR System	Ulyxe PL MKR 6W@1064 without F-theta Lens (USB Controller and metal case)	985130102
ULYXE 1066-1315 DPSS IR System	Ulyxe PL MKR 6W@1064 with 160S F-theta lens (USB Controller and metal case)	985130101
ULYXE 1066-1035 DPSS IR System	Ulyxe PL iMark 6W@1064 without F-theta Lens (iMark PCIe controller and metal case)	985130013
ULYXE 1066-1335 DPSS IR System	Ulyxe PL iMark 6W@1064 with 160S F-theta lens (iMark PCIe controller and metal case)	985130014



Martek Industries Ltd - 12b Ridings Park Industrial Estate - Eastern Way - Cannock - Staffs - WS11 7FJ
Tel: 01543 502202 - Fax: 01543 467726 - Email: sales@martekonline.co.uk - www.martekonline.co.uk

The company endeavours to continuously improve and renew its products, for this reason the technical data and contents of this catalogue may undergo variations without prior notice. For correct installation and use, the company can guarantee only the data indicated in the instruction manual supplied with the products. Product and Company names and logos referenced may be either trademarks or registered trademarks of their respective companies. We reserve the right to make modifications and improvements.