



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

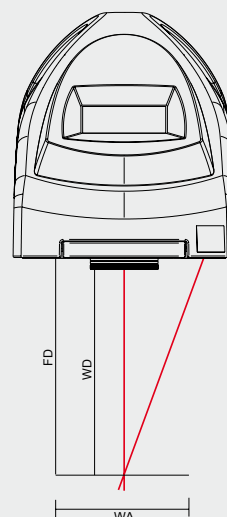
- Label Marking
- DPM (Direct Part Marking)
- Tool marking
- Marking on surgical tools/devices



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.

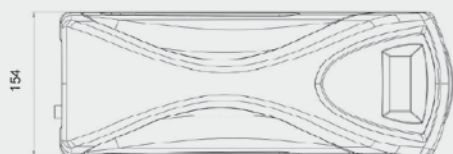
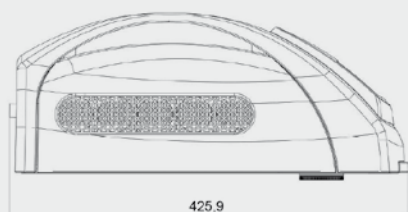


S (small) > Ø = 47mm

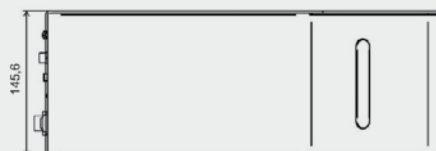
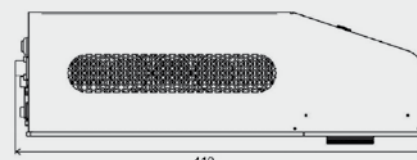
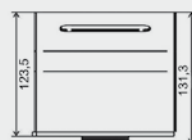
| Objective F-Theta mm | f=160S (M39x1) | f=254S (M39x1) |
|--------------------------|----------------|----------------|
| Working distance (WD) mm | 178 | 282 |
| Fixing distance (FD) mm | 186 | 298 |
| Working area (mm x mm) | 100x100 | 140x140 |

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 |

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