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 ultra-compact design laser include the scanning head, digital control, and display for monitoring functions in the small foot-print (425x154x170 mm).
- Embedded Red Laser Spot for focus position allows fast focusing of the laser beam during setup.
- User-friendly LCD / touch screen display enables operators to easily control and monitor the most important laser status and functions.
- High-tech cover, available in either polyurethane or metal, which is specifically designed to meet the environmental requirements of different applications.
- Best price/performance ratio in the laser marking world

**FLEXIBLE CONFIGURATION**

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

**Embedded**

It perfectly combines compact dimensions with USB connection ease, and the user-friendly editing software (LIGHTER 6 Suite or Ulyxe Editor), specifically developed to offer all key marking functions: installation, laser marker setup and operation are most easy. This configuration is available in polycarbonate case or metal case.

**Marking kit**

Metal case designed for industrial application it offers great compactness and full compatibility with the marking platform kit (our SMARTIST software + DSP board). With PCI Express Slot connectivity 3 independent axis controls (X,Y,Z or rotative axis) to implement multi-layers and rotating marking are available.

**APPLICATIONS**

This product series has been developed to satisfy to requirements of the following applications, in automotive, solar & electronics and healthcare industries among others:

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

Ulyxe family also matches applications in automated production lines.
**Nominal power**  
6.5W ± 5% 50kHz

**Max Pulse Energy (typical)**  
300µJ@15 kHz

**Wavelength**  
1064 nm

**Laser Source**  
Q-switched DPSS

**Repetition Rate Range**  
15 - 200 kHz

**Pulse Width**  
20-25 ns@20kHz

**Aiming Beam**  
Class 2M red diode laser 635nm

**Focus Beam**  
Class 2M red diode laser 635nm

**Interface**  
USB for Embedded configuration; RS232 for diagnostic

**Integration** (only for Marking kit configuration)  
3 independent axis controls (X,Y,Z or rotative axis)

**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.

**Objective F-theta mm**  
100S  160S  254S

**Working distance (WD) mm**  
114  178  282

**Fixing distance (FD) mm**  
125  186  298

**Working area (mm x mm)**  
50x50  100x100  140x140

Other focal length available upon request

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**DIMENSIONS**

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**MODEL SELECTION AND ORDER INFORMATION**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>ORDER NO.</th>
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<tbody>
<tr>
<td>ULYXE 1066-1010 DPSS IR System</td>
<td>Ulyxe MKR 6W@1064 w/out F (with SW embedded and polycarbonate case)</td>
<td>985130003</td>
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<tr>
<td>ULYXE 1066-1310 DPSS IR System</td>
<td>Ulyxe MKR 6W@1064 F160S (with SW embedded and polycarbonate case)</td>
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<td>985130206</td>
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<tr>
<td>ULYXE 1066-1320 DPSS IR System</td>
<td>Ulyxe MKR 6W@1064 F160S (with marking kit and metal case)</td>
<td>985130200</td>
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