



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 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 meet 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.



LASER MARKING

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

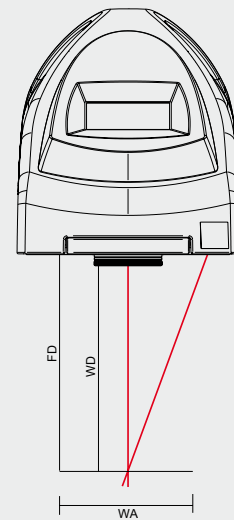
Ulyxe family also matches applications in automated production lines.



ULYXE

CHARACTERISTICS	
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 PCI slot for Marking kit configuration; RS232 for diagnostic
Integration (only for Marking kit configuration)	3 independent axis controls (X,Y,Z or rotative axis) Up to 16 digital input and 16 digital output fully programmable
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.

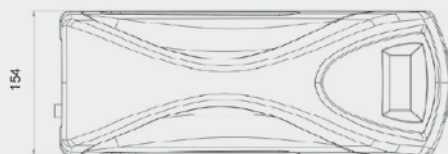
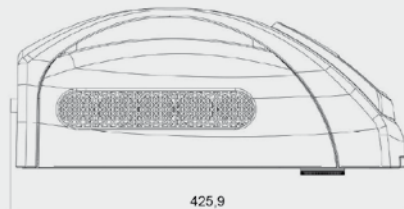


S (small) > Ø = 47mm

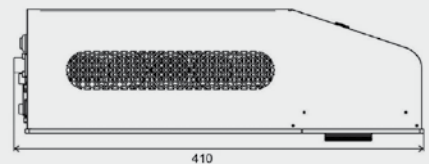
Objective F-Theta mm	100S	160S	254S
Working distance (WD) mm	114	178	282
Fixing distance (FD) mm	125	186	298
Working area (mm x mm)	50x50	100x100	140x140

Other focal length available upon request

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 w/out F (with SW embedded and polycarbonate case)	985130003
ULYXE 1066-1310 DPSS IR System	Ulyxe MKR 6W@1064 F160S (with SW embedded and polycarbonate case)	985130001
ULYXE 1066-1015 DPSS IR System	Ulyxe MKR 6W@1064 w/out F (with SW embedded and metal case)	985130102
ULYXE 1066-1315 DPSS IR System	Ulyxe MKR 6W@1064 F160S (with SW embedded and metal case)	985130101
ULYXE 1066-1020 DPSS IR System	Ulyxe MKR 6W@1064 w/out F (with marking kit and metal case)	985130206
ULYXE 1066-1320 DPSS IR System	Ulyxe MKR 6W@1064 F160S (with marking kit and metal case)	985130200



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