



# MPERIA® UV LASER

EXCEPTIONAL RELIABILITY, MARK  
PERMANENCE AND SUSTAINABILITY

PRODUCT IDENTIFICATION  
EXPERTISE YOU RELY ON.



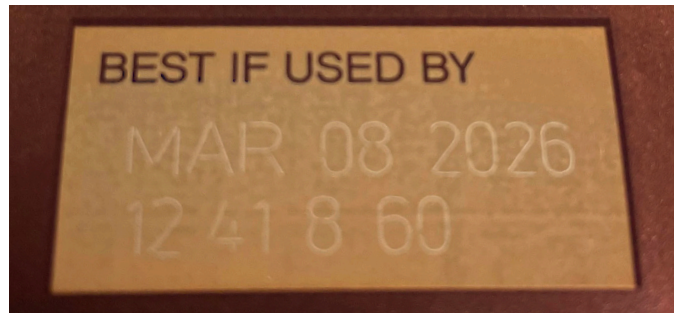
**PALCO**  
Industrial Marking and Labeling, Inc.  
[www.palcosys.com](http://www.palcosys.com)

# HIGH CONTRAST, ULTRA-RELIABLE MARKING FOR YOUR PRODUCTION LINE

**Permanent marks that are sharp and well defined, even in high-speed production lines. Improve your production line uptime, gain full traceability, and advance sustainability goals with a consumable free system that's superior to other marking technology.**

MPERIA® UV lasers are fast, powerful lasers that use cold-marking to permanently mark a range of plastics, metals, and flexible films with high contrast and definition..

A compact design and flexible options allows the laser to adapt to your production line, and unique OptiBeam technology allows the laser marking area to be far greater than competitive lasers with no lens required.



## EXCEPTIONAL MARKING & CODING

- 99.9% uptime
- No consumables to replace
- Minimal maintenance to perform

## UNMATCHED PERFORMANCE

- Laser sharp marking with VCS (Vibration Correction System)
- OptiBeam for ultimate precision regardless of focal distance challenges
- Consumable-free sustainability

## TRUE SCALABILITY

- Easily add lasers without adding controllers
- Seamlessly integrate verification/validation without middleware
- Reduce complexity with a single interface controlling all marking technology



# INTRODUCING MPERIA<sup>®</sup>, A TRULY UNIVERSAL CONTROLLER

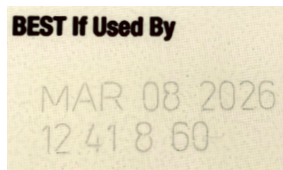
- Eliminate human error and rework; message and code automation all handled through an intuitive interface
- Grows with your business; whether adding more production lines or multiple plant locations
- Reduce complexity by removing unneeded middleware and 3rd party providers
- Achieve next level productivity; seamlessly connect to your business systems



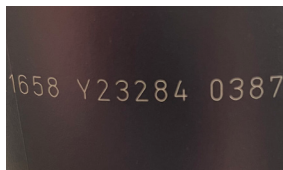
## MPERIA<sup>®</sup> UV LASERS

**MPERIA<sup>®</sup> UV Lasers meet your low-and-high speed, permanent marking requirements offering a choice of wattages and an IP65 rated housing perfectly suited for any production environment.**

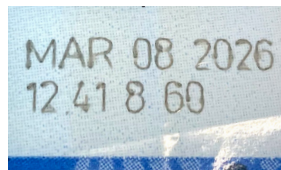
### MPERIA<sup>®</sup> UV LASER ADVANTAGE: THE CLEAR EDGE



Flexible film mark



HPDE mark



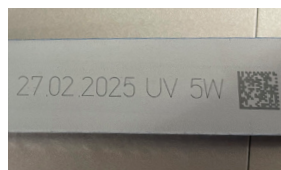
Confectionery bag mark



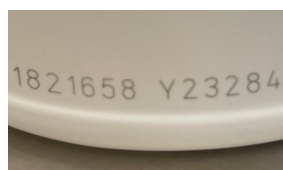
Flexible film mark



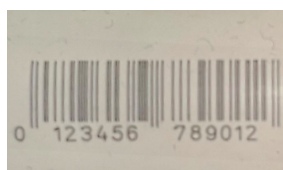
Plastic mark



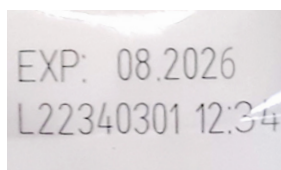
Rubber mark



HPDE mark



Plastic mark



Flexible film mark on tissue wrapper



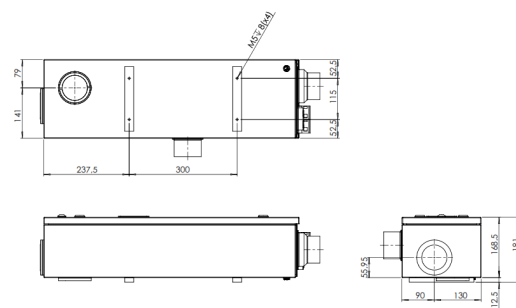
MPERIA<sup>®</sup> UV Laser 5W  
Washdown Environment



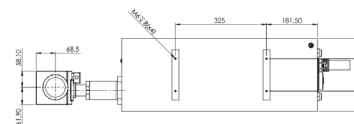
MPERIA<sup>®</sup> UV Laser 15W  
Washdown Environment

## MPERIA® LASER SPECIFICATIONS

LASER	5 WATT UV	15 WATT UV
WAVELENGTH	355 nm	
COOLING	Forced Air (WD)	Water
CONFIGURABLE	Yes	
MAIN SUPPLY	110 / 240 V AC	
DIMENSIONS (AxBxC)	196x146x662 mm	
WEIGHT	20 kg	
SYSTEM	Compact Q-Switched DPSS UV Nd:YVO4	
MARKING FIELD	20x20, 60x60, 65x65, 100x100, 105x105, 160x160, 175x175, 195x195, 212x212, 242x242, 325x325, 560x560	
MARKING HEAD	XQS	
MARKING HEAD ACCESSORIES	Beam Exit at 90°: Standard	
	Focal Distance Indicator: Optional	
	Marking Area Indicator: Standard	
ACCESSORIES / OPTIONS	Diode Marking Pointer / Encoder Kit / Mounting Support / Photocell Kit	
APPLICABLE CERTIFICATIONS		
ENVIRONMENTAL CONDITIONS	Operating Temperatures	10° C (50° F) to 40° C (104° F)
	Humidity	10% < H < 95%, non-condensing
	Protection Rate	WD (Wash-Down Environment) IP65



5 Watt UV



15 Watt UV