

MPERIA® LASER

Fiber & Fiber Film Laser Systems Powered by MPERIA®

MPERIA® Fiber & Fiber Film lasers deliver high contrast, ultra-reliable marking on your production line. Permanent marks that are sharp and well defined at high speeds improves uptime, and a consumable-free system advances sustainability efforts.



EXCEPTIONAL MARKING & CODING

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

UNMATCHED PERFORMANCE

- Laser sharp marking with VCS (Vibration Correction System)
- Unparalleled precision and permanency regardless of handling
- Consumable-free sustainability



Metal part mark.



Tetra Pak mark.

INCREASE PRODUCTION LINE EFFICIENCY

- Operator ease of use with an intuitive color touchscreen
- Centralized operation and single point of control
- Multiple technology control, including 3rd party, from a single interface



MPERIA® Fiber Laser
20W/50W/100W
Dusty Environment



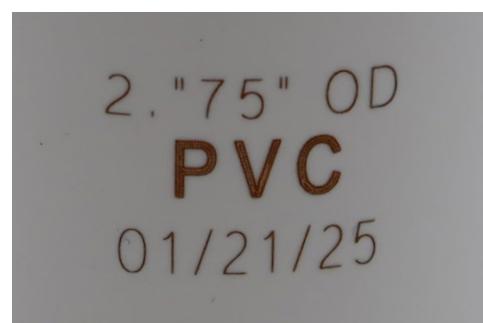
MPERIA® Fiber Film Laser
50W Dusty Environment



MPERIA® Fiber Laser
20W/50W/100W
Washdown Environment



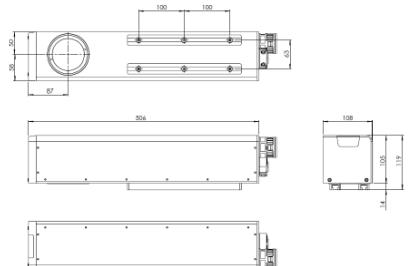
MPERIA® Fiber Film Laser
50W Washdown Environment



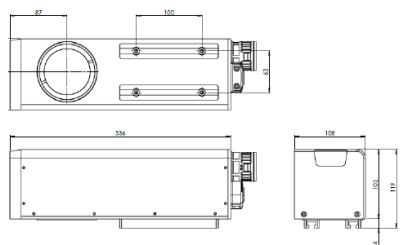
PVC pipe mark.

MPERIA® Laser Specifications

LASER	20W FIBER, DE	20W FIBER, WE	50W FIBER, DE	50W FIBER, WE	100W FIBER, DE	100W FIBER, WE	50W FIBER FILM, DE	50W FIBER FILM, WD			
WAVELENGTH	1,064 nm										
COOLING	Air (SE, DE) / Forced Air (WD)										
CONFIGURABLE	Yes										
MAIN SUPPLY	110 / 240 V AC										
DIMENSIONS (AxBxC)	108x105x506 mm					108x105x336 mm					
WEIGHT	71 lb / 32 kg					66 lb / 30 kg					
SYSTEM	Ytterbium Pulsed Fiber Laser										
MARKING FIELD	60x60, 100x100, 107x107, 160x160, 212x212, 242x242, 325x325, 560x560										
MARKING HEAD	XQS					UHS					
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	CE, EAC, UL, UKCA										
ENVIRONMENTAL CONDITIONS	Operating Temperatures	10° C (50° F) to 40° C (104° F)									
	Humidity	10% < H < 95%, non-condensing									
	Protection Rate	DE (Dusty Environment) IP54, IP55 WD (Wash-Down Environment) IP65									



Fiber 20W, 50W, 100W Dimensions.



Fiber Film 50W Dimensions.

MPERIA® Controller Specifications

OPTIONS	8"	12"	12" ENCLOSED	15" HE
STANDARD FEATURES	Single Control		Multiple Printer Control	
USB PORTS			2	
ETHERNET PORTS	1xExt / 1xInt			
SERIAL PORTS	1 M12		2xRS232	
IP RATING	IP55		IP40	IP54
ELECTRICAL	100-240V 50/60 hz 1A (PoE)		96-264V 50/60Hz 1A (24v Power Supply)	