

LASERSTAR® PORTABLE LASER CLEANER+MARKER



4102-M Series | 320 Watt | PN: 577-411-M-120-12-2-254FS



Note: * 15mJ Models do not offer laser marking feature.

Laser Type	MOPA Pulse Fiber Laser (Air-Cooled)
Wavelength	1080nm
Average Power	320W
Pulse Energy Output	2mJ or 15mJ*
Frequency Range	1kHz - 4MHz
Pulse Width	5ns - 500ns
Handheld Scanner	Lightweight, Dual Axis Scanner
F-Theta Lens - Cleaning	254mm (100 x 100mm)
F-Theta Lens - Marking	160mm (70 x 70mm)
Cleaning Patterns	Circle, Spiral, Square, Cross +, Spiral, Linear
Focal Distance	Dual Red LED Pointers (Integrated)
Lighting	LED White Light (Integrated)
Scanner Head Controls	On/Off Button, Integrated Power Setting Adjustments
Scanner Head Language	English
Marking Attachment	Magnetic Focal Distance Cage (160mm)
Scanner Weight	1.3 Pounds (600 Grams)
Fiber Cable Length	1.5 Meter (59 Inches)
Supply Circuit	100 - 240V, Single Phase, 20A, 50/60 Hz
Power Cord	5 Meter (16.4 Feet)
Battery	Lithium
Battery Run Time	30 Minutes (Continuous Run Time)
Battery Recharge Time	2.5 Hours
Controller	Handheld, Portable Touch Screen Device
Connectivity	WiFi
Device Languages	English, Spanish, German, French, Portuguese, Arabic, Russian, Japanese, Korean, Thai, Vietnamese, Chinese
Laser Marking Software	Yes
Safety Interlock	Yes - Connect To Doors, Enclosure, Robotics, Etc.
Laser Safety Class	Class 4
Dimensions	264 x 160 x 372mm (10.4" x 6.3" x 14.7")
System Weight	True
Storage Case Dimensions	860 x 515 x 264mm (33.9" x 20.3" x 14.7")
Laser In Case Weight	16kg (35 Pounds)
Warranty	Limited 1 Year Warranty

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