

LASERSTAR® INDUSTRIAL PULSE LASER CLEANER



4103-M Series | 500 Watt | PN: 577-413-M-500-5-2-254FS



Laser Type	MOPA Pulse Fiber Laser (Water-Cooled)
Wavelength	1080nm
Average Power	500W
Pulse Energy Output	5mJ
Frequency Range	1kHz - 3kHz
Pulse Width	10ns - 500ns
Cooling	Water Cooled (Integrated Chiller)
Laser Source Life	80,000+ Hours
Handheld Scanner	Heavy Duty Dual Axis Scanner (Detachable)
F-Theta Lens - Default	254mm (100 x 100mm)
F-Theta Lens - Additional	160mm (70 x 70mm), 330mm (120mm x 120mm), 420mm (200 x 200mm)
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 & Emergency Stop
Scanner Hand Grip	Left Handed or Right Handed Setup for Easy Operation
Scanner Weight	2kg (4.4 Pounds)
Fiber Cable Length	8 Meter (26 Feet)
Supply Circuit	230V, Single Phase, 30A, 50/60 Hz
Power Cord	5 Meter (16.4 Feet) w/Nema Connector
Controller	Integrated Touch Screen
Device Languages	English, Spanish, German, French, Portuguese, Italian, Russian, Japanese, Korean, Malay, Chinese
Operating Temperature	0° - 40° C (32° - 104° F)
Storage Temperature	(-10°) - 60° C (14° - 140° F)
Safety Interlock	Yes - Connect To Doors, Enclosure, Robotics, Etc.
Laser Safety Class	Class 4
Dimensions	970 x 810 x 1338mm (38.2" X 31.9" X 52.7 ")
System Weight	210kg (463 Pounds)
Warranty	Limited 2 Year Warranty

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