

THEO

IT'S NOT
JUST A
LASER
CLEANER

THEO
TM-SERIES
HANDHELD
LASER
CLEANER



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IT'S A
TIME
MACHINE



BY **MAX** PHOTONICS

MAKE YESTERDAY LOOK NEW AGAIN

The THEO TM Series handheld laser cleaner blasts away rust, paint, and contaminants in seconds. No abrasives. No solvents. No post clean up. Portable, air-cooled, and built for precision, it restores surfaces to their original glory while keeping your team safe and your business moving fast.

Engineered by Maxphotonics, the world's leading fiber laser expert, the TM Series delivers the speed, safety, and reliability you need to turn back time on any job.

**It is not just a laser cleaner.
It is a time machine.**

THE LASER CLEANER THAT TURNS BACK TIME

When every second counts, the TM Series puts hours back on your clock. With scan speeds up to 30,000 mm/s and ultra-focused laser output, you control every pass with precision. Its reach gets into the tightest angles without disassembly. Less downtime. More jobs done in no time.

WHAT IS IT GOOD FOR?

- Rust and paint removal
- Surface preparation for coating
- Corrosion removal
- Pre-weld cleaning and preparation
- Post-weld treatment
- Surface conditioning
- Equipment degreasing
- Contaminant removal from hulls and propellers
- Marking & identification removal on marine components
- Anodization removal
- Oxide removal from metal surfaces



NO CHEMICALS



ECO-FRIENDLY



NON-ABRASIVE



OPERATOR SAFE



**NO COMPLEX
CLEAN UP**



COST EFFECTIVE



MAXIMUM SAFETY WITHOUT THE RISK

Sandblasting and chemical cleaning demand hazmat-level PPE, create hazardous waste, and put your crew at risk. The TM Series changes that. All you need is a fume extractor and proper PPE. It vaporizes contaminants on contact while the extractor draws away airborne particles. No toxic dust clouds. No chemical runoff.

BUILT-IN SAFEGUARDS

- **SMART SHUT DOWN**
Laser fires only when aimed at the workpiece
- **DUAL-CHANNEL INTERLOCKS**
Stops operation unless all safety conditions are met
- **FIBER BREAKAGE DETECTION**
Constant monitoring with instant alerts and pinpoint diagnostics

SET UP.
LOCK IN.
GO.

Lightweight, mobile and user-friendly. The 10.4" touchscreen comes loaded with intuitive presets and the built-in distance meter locks your focal point instantly. Adjust settings from the handle without walking back to the machine. The 3 kg (6.6 lb) cleaning head keeps operators productive all day without fatigue.

SPECIFICATIONS

| | TM 300 | TM 500 |
|----------------------|--|--------------------------------|
| Laser Power | 300 W | 500 W |
| Cooling | Air-cooled | |
| Scan Speed | 30,000 mm/s | |
| Display | 10.4" Touchscreen + 1.8" Handle Screen | |
| System Weight | ~ 130 lbs / 58 kg | ~ 132 lbs / 60 kg |
| Cleaning Head Weight | ~ 6.6 lbs / 3 kg | |
| Fiber Length | 5 m (optional 8 m) | |
| Wavelength | 1064 nm | |
| Power Supply | 240V 50-60Hz 6A 1P + PE | 240V 50-60Hz 7A 1P + PE |
| | 120V 50-60Hz 11A 1P + PE | 120V 50-60Hz 13A 1P + PE |
| Safety Features | Fiber Breakage Detection Distance Meter Mechanical Dual Channel Trigger Dual Interlocks 2 eStops Optional External eStop (PL-d certified) | |



WHEREVER WORK GETS DONE FASTER. THEO IS THERE.

When you walk into your workshop, you know which tools you trust. The ones that never let you down. The ones that are fun to use. THEO is built to be one of them. Your sidekick to save time so you can scale your business smarter and industries move faster.

Behind THEO is Maxphotonics, a global leader in laser solutions since 2004. With over 200,000 units produced annually, Maxphotonics brings decades of engineering excellence to every THEO product.

When we launched THEO in 2023, our focus was clear. Innovation. Tools built for the real-world needs of modern professionals. Rooted in community. Driven by design. Obsessed with productivity. THEO is built for those who...

SAY NO TO SLOW

25cm
BEAM WIDTH

UP TO
1sqm
PER MINUTE
CLEANING SPEED

**INTUITIVE
INTERFACE**
10.4" TOUCH SCREEN

**ADVANCED
SAFETY
FEATURES**

**BACK
REFLECTION
PROTECTION**

**INTER-
CHANGEABLE
LENSES**

**500W
MOPA
30µm**
FIBER LASER

TIME MACHINE

AIR-COOLED
230/120V 16A

10-500ns
PULSE DURATION

**6
BEAM
SHAPES**

**THEO
TM-SERIES
HANDHELD
LASER
CLEANER**



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**WIDE
FREQUENCY**
1-8000 kHz RANGE

**MODE
SELECTION
ON GUN**

UP TO
13mJ
PULSE ENERGY
50kW PEAK POWER

**REAL
TIME**
VISUAL
DISTANCE
FEEDBACK

CERTIFIED QUALITY



THEO

GET IN TOUCH



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