

LASER CLEANING

ENVIRONMENTALLY FRIENDLY PRODUCTS
&
INNOVATION LASER TECHNOLOGY BY MIWA TECHNO

CONTACT US

Wide range of cleaning applications

- Rust removal
- Paint & Coating removal
- Oxide removal after welding
- Mold & Die cleaning
- Roughening of metal surface
- Oil removal from precision parts
- Pre-processing cleaning
- Decontamination and more

What is Laser Cleaning?

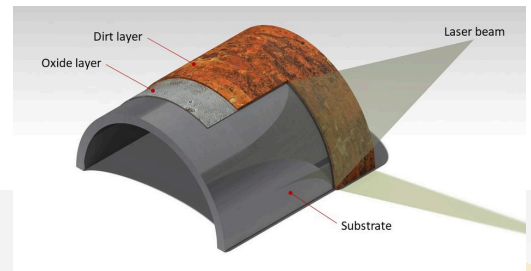
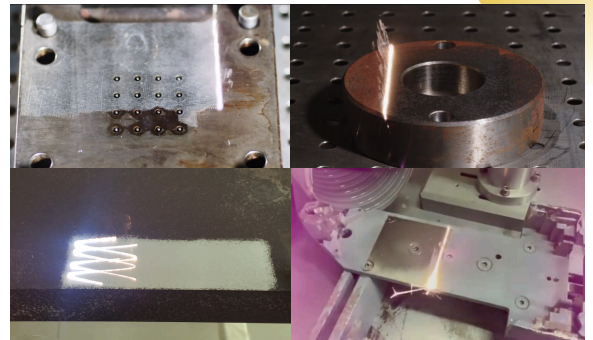
Laser cleaning is a form of laser ablation that uses a high-energy laser beam to remove contaminants from surfaces. The laser cleaning process uses short, high-frequency pulses of a laser beam.

Whether it's removing rust, paint, oxide or coating. The laser can remove contaminants without damaging the surface. Because it is a non-contact process. Laser cleaning is low maintenance which makes it ideal for industrial cleaning applications.

Environmentally Friendly Product?



Laser cleaning is a very environmentally friendly solution. Laser cleaning is not like traditional cleaning methods. It does not require relying on chemicals that are harmful to the environment. likes chemical cleaning and abrasive blasting. This makes laser cleaning an environmentally friendly and sustainable solution.



The Energy is absorbed by the contaminants on the surface. The ablation threshold of both layers is lower than steel. It is vaporized by the laser before affecting the base material.

Industrial Applications

- Automotive
- Aerospace
- Electronics
- Shipbuilding
- Semiconductor
- Metal Fabrication
- Rubber

ECOTS



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MOFA FIBER LASER CLEANER [KG & MK SERIES]



KGJ100
100W

MKP100J
100W

KGJ300/200
300/200W

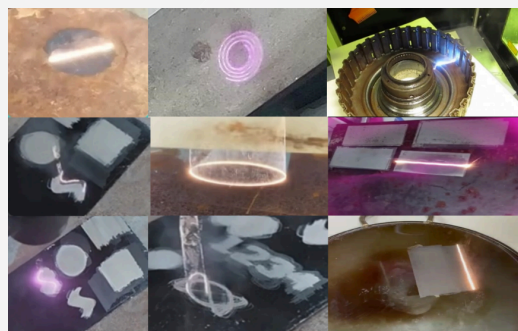
MKI300
300W

KEY FEATURES

- 1 Compact design for portability
- 2 Red light focusing - focal position is easily adjustable when changing lenses
- 3 Air cooling system
- 4 Wireless control - The parameters can be updated at any time as the controller and main board are synced
- 5 Broad range of application - The high laser beam quality can meet the demands of high-precision cleaning & removal requirements

TECHNICAL SPECIFICATION

MODEL	KGJ100	MKP100J	KGJ300	MKI300
Output power	100W Max		300W Max	
Cooling	Air Cooling			
Laser frequency	1-4000Hz			
MOPA Pulse Width	2nm-500nm			
Cleaning Head	Handheld Scanner			
Case	Carry case	Carry with handle	Carry case	Installation model
Size	470Wx410L x245H mm	208Wx450L x470H mm	615Wx840L x330H mm	550Wx770L x900H mm
	28KG	30KG	70KG	160KG
Input Voltage	AC100V~AC240V Single phase			

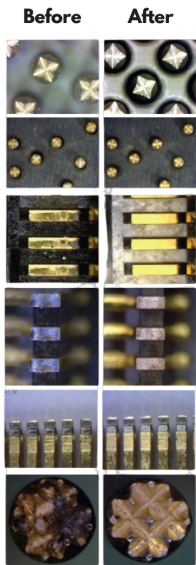


A new series of MOPA fiber laser cleaners. Realized air cooling up to 300watt. All models are compatible with universal single-phase power supply from AC100volt to AC240volt.

COMPACT LASER SOCKET CLEANER [AT800CA]



PROVEN RESULTS



FUNCTIONS

- Cleaning semiconductor socket pins
- Metal mould surface cleaning
- Paint removal

KEY FEATURES

- Effective Non-Contact System for Contaminant removal
- Excellent for Test Contact Pins Cleaning
- Compact Design to Suit Any Industrial Environment
- Easy Operation with Minimal Maintenance
- Equipped with Safety Interlocks

The AT800CA, a dedicated model for cleaning semiconductor test pins and sockets, has over 10 years of history and is FDA certified.

MODULATED CW FIBER LASER CLEANER [CW1500]



KEY FEATURES

- High quality beam
- Single axis beam scanner
- Water cooling system

HANDHELD SCANNER

- Single Mode CW Fiber laser 1500W
- Single axis beam scanner
- F=300mm or 500mm or f=800mm
- Weight: 600g



TECHNICAL SPECIFICATION

Fibre length	10m
AC Voltage	AC220V 50/60Hz Single Phase
Output power	Max 1500W (Modulation 10%~100%)
Lens	f=500m
Scan length	Max 170mm
Power consumption	<5.5KW
Cooling system	Water Cooled
Size	1065mm(L) X 600mm(W) X1630mm (H) Including Fibre stand



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