

NEW

# AVRO™

## LASER CLEANING TECHNOLOGY

Our new innovative Laser Cleaning machine designed with maximised capabilities & easy handling for effective cleaning



Lightweight design  
14kg



Portable Unit  
Backpack design



Battery Powered  
Rechargeable



Power Adjustment  
10-100



Laser Power  
50-100 w



Wavelength  
1060-1070



NEW

# AVRO™

## LASER CLEANING | CAPABILITIES

Our Laser cleaning portable machine offers an efficient environmentally friendly cleaning technology that uses the thermal ablation, shock and vibration of light to decontaminate the surface of the material. By adjusting the parameters of the laser process, the contaminants can be effectively removed without damaging the substrate. Non-abrasive, non-contact, non-thermal and suitable for cleaning a wide range of materials.

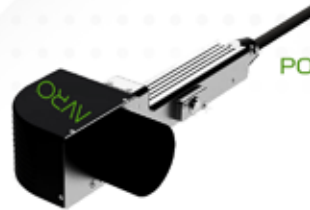
Removes rust, oxidation, paint, oil and other contaminants from the surface of the substrate with ease.

### AT A GLANCE



#### COMPACT BACKPACK DESIGN

Small size, light, easy to carry, battery / external power supply two modes can be selected freely, it's not only suitable for small spaces, high altitude, field operations, etc., but also suitable for factory workshop operations



#### PORTABLE CLEANING HEAD

2 dimensional galvanometer structure, multi-pattern cleaning solution, small cleaning head is small and light, timely alarm, safe and reliable



#### RECHARGEABLE BATTERY

Built-in Samsung high-capacity battery and protection circuit, safety and reliable, it can work at full power 2.5 hours or more. Snap-on installation and the power display can observe the power at any time



#### FUNCTIONAL EASY TO USE DESIGN

Anti-mis-touch design, support parameter power-off save and process parameter custom storage function

### COMPARISONS

Comparison Item	Laser Clean	Chemical Clean	Dry Ice Clean	Mechanical Clean	Ultrasonic Clean
Cleaning Method	By laser Non-contact	Chemical reagent Contact material	Dry ice Non-contact	Mechanical Sandpaper Contact materia	Cleaning agent Contact material
Damage	No	Yes	No	Yes	No
Cleaning Efficiency	High	Low	Medium	Low	Medium
Consumables	Only Electricity	Chemical Reagent	Dry Ice	Sandpaper Grinding Wheel	Special Cleaning Fluid
Cleaning Effect	Excellent High Cleanness	Ordinary Uneven	Good But uneven	Ordinary Uneven	Good, But limited cleanliness
Precision	Precise Control High Precision	No Control Very Low Precision	No Control Very Low	No Control Medium Precision	Cannot Specify a Range to Clean
Safety Environmental Impact	No Any Pollution	Seriously Polluting Environment	No Pollution	Polluting Environment	No Pollution
Manual Operations	Easy Operation Hand-Held or Automatic	Complicated Operations, Pollution Protection Measures are Needed	Easy Operation Hand-Held or Automatic	Expensive Labor Pollution Protection Measures are Needed	Easy Operations But Consumables Need to Be Added Manually
Costs	High Initial Cost No Consumables Very Low Maintenance Costs	Low Initial Cost Very High Consumables Cost	Medium Initial Costs High Consumables Cost	High Initial Costs High Costs for Consumables and Labor	Low Initial Costs Medium Consumable Costs