

# Transportable Handheld Laser Process Unit



## SurClean Mission:

SurClean focuses on the workhorse of any laser system - **the beam delivery**. We **integrate** our laser beam delivery system with off-the-shelf laser sources, chillers, exhaust/fume extraction and address the customer's specific application utilizing the correct **laser type** and **power source** from \*OEM's Coherent, IPG Photonics, Laserline, Lumentum, TRUMPF and others. Our customers receive the latest technology and power levels, as the laser industry continues to push forward with new developments and our engineers continue **revolutionizing** the SurClean **laser ablation solutions**.

## Features:

- Process Head Ergonomic Design
  - Under 3 lbs.
  - Right or left-handed operator
  - Quick disconnect for cables and hoses
- Compatibility with a variety of lasers from multiple OEM Laser Companies\*
- Operator Safety
  - Deadman Switch
  - Automatic Laser shutdown when not on target (*optional*)
- Converts easily to a robot mount
  - Other mounts available upon request
- Packaged in PELICAN military grade hard case
  - Transportable
  - Total weight under 100 lbs.
  - Water resistant
- HEPA self-cleaning Pulse-Bac vacuum exhaust for a debris particulate collection (*optional*)



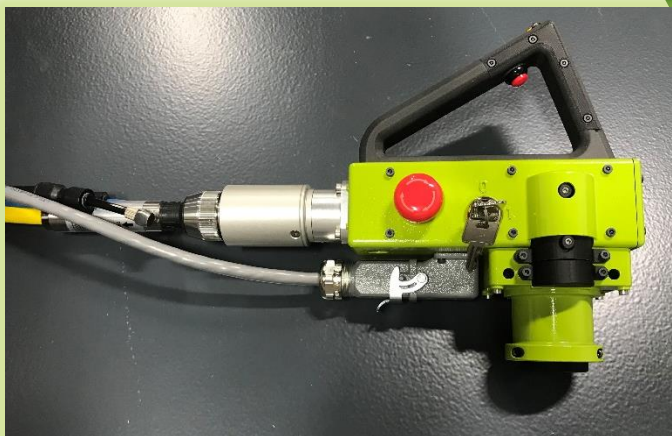
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- Paint Removal & De-Coating
- Surface Preparation for Adhesive Bond Coating
- Mold Cleaning
- De-Oiling
- Surface Profiling
- Restoration of Stone, Brick, Concrete
- Ideal for Sensitive Substrate Cleaning i.e. CFRP
- Corrosion Cleaning

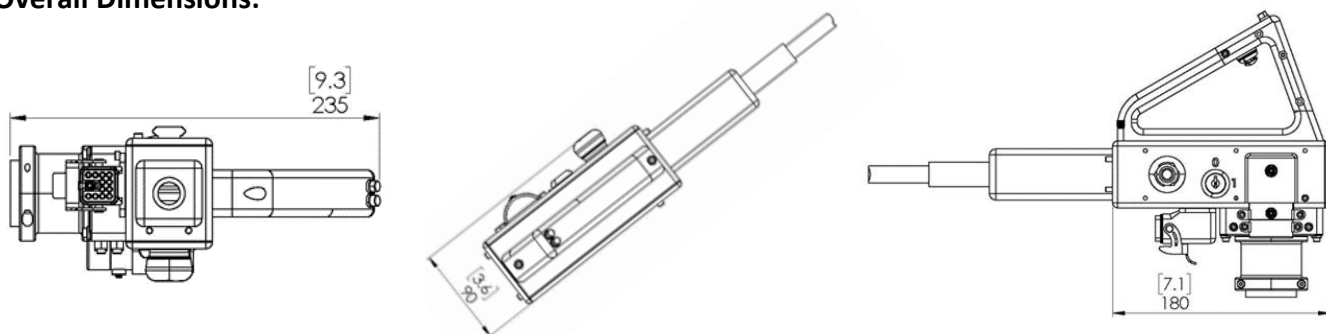
Laser coating removal competes with chemical, abrasive, and water blasting methods. These methods generate hazardous waste, require personal protective equipment, are time consuming, require additional equipment on job site and are not compatible with composites, fiberglass, alloys, and other materials used in manufacturing of high dollar assets today. Laser technology is *proven, highly sustainable, CleanTech, BlueTech, safe, and energy efficient*.

### Specifications:

- Fiber Cable lengths from 5 to 30 m (additional lengths available upon request)
- Adjustable Scan Rate
- Power Range: 50W to 2kW
- Wavelength Range: 1030 – 1080 nm
- Focus Range: 200 mm
- Orbital Scan Width: 35 mm
- Lightweight Design: under 5lbs. without the cabling



### Overall Dimensions:



### Special Features and Options:

Convenient quick disconnect of all cables and hoses



Conveniently packaged electronics with numerous safety features

Complete with focusing lens and cover glass protection



### Transportable Rack Mount Case:

Military grade hard case ensures components are protected during transport from drops, blows, water and other hazards.

- Shock mounts cushions delicate equipment from vibration/shock
- Molded in gaskets seals double end compartments
- Comfort grip handles – 2 each on lids and sides
- Sway space 1"
- 3.25" wheels
- Exceeds Air Transport Association Specifications 300, Category 1 requirements.

