



Precise . Safe . Energy Efficient .
Cost Effective . Environmentally Friendly

SurClean® Core Competency & Capabilities

SurClean, Inc. manufactures laser coating removal and surface preparation systems that are very precise, energy efficient, cost effective, safe and environmentally friendly. Laser coating removal competes with traditional methods of chemical, abrasive and water blasting which generate hazardous waste particulates and by-products, requires time and many employees with personal protective apparatus, lead and air quality monitors. However, the compatibility issues with composites, fiberglass, alloys and other materials used in manufacturing of high dollar assets today require manual sanding.

SurClean focuses on the workhorse of any laser system – the beam delivery. We marry our laser beam delivery system with COTS laser sources, chillers, exhaust/fume extraction and sell either a handheld or robotic unit for specific applications. The company was formed to answer a need for the U.S. Air Force and has expanded the vision to address corrosion and adhesion issues on major assets such as vessels, ships, submarines, bridges, etc.

CORE CAPABILITIES

What sets SurClean apart from the competition?

- Experienced Laser Industry Engineering Team
- Real time Laser Process Control Sensor System
- 75% to 95% Efficient Laser Beam Delivery System
- Documented Savings straight to bottom line
- Integrated Industrial Laser Solutions Experience
- Collaboration Agreements with Industry Leaders
- Advanced Laser Beam Delivery Design
- Laser Application Development – Ablation, Cutting, Welding, Brazing, Drilling, Heat Treating
- Ability to Adjust to Customer Requirements
- **Currently working with Navy Research Lab**

Advanced Laser Beam Delivery Developments

SurClean employs experienced engineers who are committed to improving the optical design utilizing the maximum power of the laser light source. The design and engineering team utilize ZeMax and SolidWorks modeling software systems to “prototype” the ideas in the digital world ensuring the solution will deliver the desired result.

Designs are approved and components are sent for either 3D printing or CNC machined. These components are assembled for form, fit and function prior to secondary processing. Final assembled beam delivery processing heads are then integrated with SurClean’s patented Laser Process Control and Safety Sensor Systems and then tested with various OEM laser sources in our processing lab.

Technology

SurClean systems are integrated with the latest IC, I/O and PLC protocols. The integrated LPC is proprietary code written based on application requirements and information gained from the material interactions. Customer interface is through COTS HMI.

Industry Collaborations

SurClean is collaborating with leading global laser manufacturers, robot suppliers and system integrators to provide revolutionary and state of the art solutions earning customers the ultimate return on their investment in a very precise, energy efficient, cost effective, safe and environmentally friendly manner.



NAICS 333249, 333517, 333999, 334513, 541715, 541330, 811330

PSC 3695, AE23, AE22, AD93, AJ97, AD92, AE21, AD97, 3419, AE24, 3450, AJ94

GENERAL INFORMATION

Registered Company Name: **SurClean, Inc.**

Year Incorporated: **May 15, 2015**

State of Incorporation: **Michigan Corporation**

Type: **C Corp**

D-U-N-S Number: **080000278**

CAGE Code: **7JYX2**

Certifications: **EDWOSB pending**

ITAR Registration: **Applied, pending**

SBA Size Classification: **Small Enterprise**

CONTACT INFORMATION

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