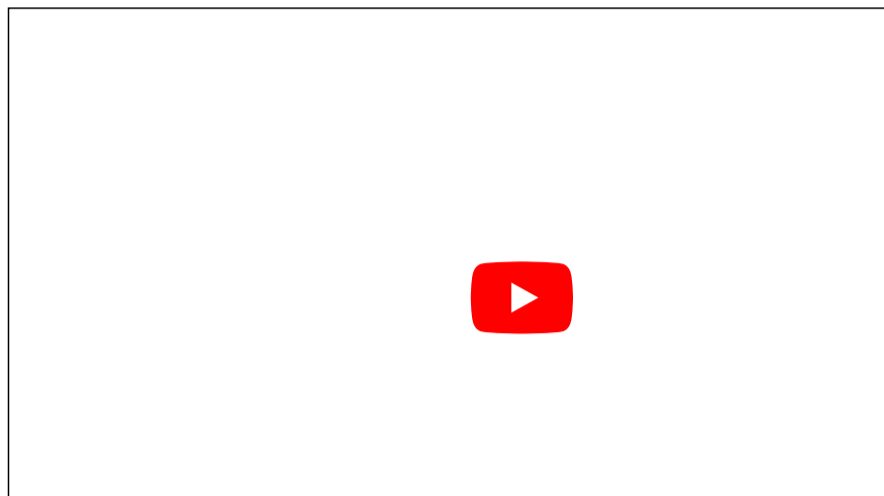




CleanTech™ Laser Cleaning Robot



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The CleanTech™ Laser Cleaning Robot is the first commercially available collaborative, easily programmable, AI-capable Laser Cleaning system in the US. Due to precise positioning and tight focusing of the laser beam, Laser Cleaning processes are optimized for much smaller laser powers than used by handheld laser cleaners. It allows the dramatic cost reduction and makes it affordable for the majority of industrial businesses. While maintaining high speed and throughput it produces high-quality cleaning results, both in surface integrity parameters and visual appearance, impossible to achieve by manual operation of handheld machines. It eliminated concerns over the human hazard and eye safety while acting as additional loyal employee capable of fulfilling multiple tasks at the same time: Cleaning Operator, QC Inspector, Engineering Programmer and Process Engineer (Have to be equipped with AI module, 3D scanner and Visualizer, Vision system, Class 1 Safety shroud or enclosure).

We Offer Our Customers...

- Factory and on-site operator training
- Advanced customer training
- Designated customer service engineers
- Optimal system configuration
- Inbound Customer Support
- Advanced application support
- Notifications of System Upgrades
- Remote diagnostics capability
- Direct Technical Support
- Engineers log in for testing/troubleshooting

Standard Features	<ul style="list-style-type: none"> Saves money—the Titan consumes less than 5% of the power required by conventional CO2 laser systems Cuts highly-reflective metal Direct Drive Motion System—the cutting head moves with the highest possible acceleration and smoothness, reducing stress and vibration on the carriage frame and minimizing maintenance requirements Integrated laser and cooling system, only requiring a single connection point for electricity, air, and factory water Adaptive thick-to-thin beam shaping adjusts dynamically to metal thickness Large-format, with a working area of up to 7' x 13' (larger custom sizes available) Maintenance-free, requires no consumables Upgrade your Titan laser wattage in the field Industrial-grade reliability: 100,000 hours MTBF Reduced installation costs, no need to pour concrete Software-controlled orthogonality, calibrated to the user's specifications Adaptive thick-to-thin beam shaping adjusts dynamically to metal thickness
Applications	
Financing Options	
Availability	
Quality	
Videos	
More Information	

More Features: Laser Cleaning C-Robot

EASY PROGRAMMING

The technology behind C-Robot programming lets operators with little or no programming experience quickly set up and operate the C-Robot lasers with intuitive, 3D visualization. The robot arm can be moved to desired waypoints, or operators can use the arrow keys on the easy-to-use touchscreen tablet. The C-Robot can re-use programs for recurrent tasks.

Upgrade to AI (Artificial Intelligence) and create a 3D model of your part. C-Robot will do the rest.

ARTIFICIAL INTELLIGENCE

Don't be limited by dedicated robotics. By adding AI, a 3D laser scanner, and a vision system – you can convert C-Robot into another loyal employee. Let him make challenging decisions on Motion, Laser Cleaning strategy, Laser Beam Profile use on each step of the cleaning process. Moving the C-Robot to new processes is fast and easy, giving you the agility to automate almost any manual cleaning task, including those with small batches or fast change-overs.

FAST SET-UP

Laser Photonics C-Robot set-up time is a matter of hours. The average set-up time reported by our customers is only half a day. The out-of-box experience for an untrained operator to unpack the C-Robot, mount it, and program the first cleaning job is typically less than two hours.

COLLABORATIVE AND SAFE

Now you can quality of laser cleaning by replacing human operators in dirty, dangerous, and dull jobs to reduce vision loss dangers and accidental injuries. Add Laser safety guarding, and have human operators isolated from harmful motion and laser radiation.

Interested In Financing Options?



NEED A LASER? LET US HELP!
SUBMIT YOUR PROJECT REQUIREMENTS.

How did you hear about us? (required)

First Name (required)

Last Name (required)

Your Email (required)

Your Company (required)

Phone Number (required)

Are You Interested in the Direct Lender Financing Program?

Yes No

Are You Interested in Sending Us Your Sample Material?

Yes No

What Type of Laser Are You Interested In? (required)

Laser Cleaning Laser Cutting Laser Engraving 3D Metal Printing

Your Message

Submit your questions or tell us about your project here

Preferred Method of Contact

Email

