



# INDUSTRIAL LASER SOLUTIONS

FOR THE SEATING INDUSTRY



# INDUSTRY'S MOST EFFICIENT LASER

Our LXQ laser systems are ideal to create permanent identifiers on seat brackets and other seating critical components. They etch permanent, high-quality identifiers that maintain traceability through e-coating and powder coating.

With the LXQ's ability to also perform laser cleaning, manual masking is a thing of the past. Instead, you can coat the entire part, then uncoat specific areas. This process leaves the substrate unharmed, maintaining the bracket's integrity for other processes such as welding.

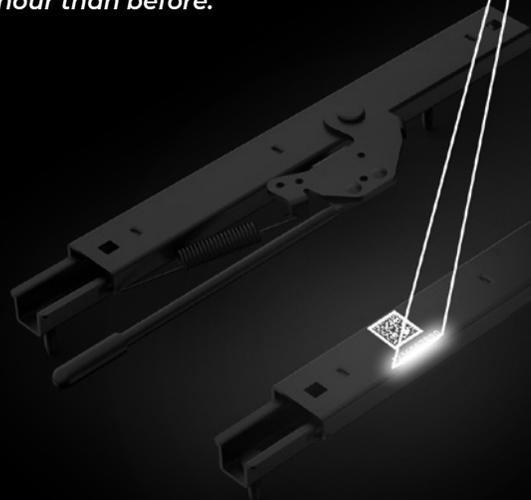


## CLIENT TESTIMONIALS

*"We had this situation where we needed to read codes from our supplier and create a new code that included our production information and theirs. We tried labels for a while, but they kept falling off. Laser marking seemed like the obvious alternative."*

*"Laserax had the vision and automation expertise we were looking for to automate the whole process with our central server. They helped us install a system that reads labels coming in from our supplier, communicates that information to our central server, then sends it to the laser to create the new permanent marks."*

*"We used to have several full-time operators mask the welding areas before e-coating. This process was slow, prone to error, and expensive in terms of labor cost. Now, with a single operator at our laser cleaning station, we can process more parts per hour than before."*



1 sec e-coat resistant marking on seat rails

# LASER APPLICATIONS FOR THE SEATING INDUSTRY

## LASER MARKING

### IDENTIFICATION AND TRACEABILITY

#### BENEFITS OF LASER MARKING FOR SEAT BRACKETS

- ▶ Fastest marking speed in the industry with marking cycle time under 1 second
- ▶ Prevent traceability issues by using permanent identifiers
- ▶ Etch high-quality codes that survive e-coating and powder coating
- ▶ Validate codes automatically so that no defective codes make it into the manufacturing process
- ▶ Use your central server to automatically control which information gets marked by the laser
- ▶ Maximize your operators' time by loading a part while another one is being marked
- ▶ Take advantage of higher throughput and minimal downtime



## LASER CLEANING

### POWDER & E-COATING REMOVAL

#### BENEFITS OF LASER CLEANING FOR SEAT BRACKETS

- ▶ Get rid of manual masking
- ▶ Clean surfaces with consistency, precision and speed
- ▶ Avoid damaging the metal
- ▶ Remove coatings from specific areas only
- ▶ Clean angled and complex shapes
- ▶ Diminish labor costs
- ▶ Validate cleaning quality automatically



## RECOMMENDED SOLUTIONS

No need to deal with several suppliers and wonder who's accountable for what. We provide all the features, peripherals and support needed to integrate the laser in your manufacturing process.



### LASER CLEANING SYSTEMS

Ranging from 20W to 3kW, our laser cleaning systems can remove all types of contaminants from metals, including oxides, coatings, rust, dust, oils, and electrolytes. They are perfect for manufacturers looking to improve quality or ramp up their production capacity.

Our laser cleaning systems can be adapted to all cycle times, as we optimize the laser parameters and optical components of each system to achieve the best configuration for your application.

Laserax offers complete laser cleaning solutions powered with our OEM laser systems. They include laser safety, fume management, automation, vision, and more. We also work with integrators to design custom solutions.

### ROTARY TABLE MARKING WORKSTATION

Operators never wait with this dual- position rotary table, as they can load a part while another one is marked.

The workstation can also be connected to your central server to streamline traceability operations.

### ROTARY TABLE MARKING MACHINE

The rotary workstation is robot ready and can be upgraded into a fully automated machine any time with minimal changes.

Replacing the operator with a robot arm, this alternative is the best way to integrate laser marking in robot cells without impacting cycle time.

#### Features Typically Included

- ▶ A Cognex camera to detect part models & validate code quality
- ▶ An air knife to prevent dust accumulation on the lens & ensure consistent marking quality
- ▶ A dust extraction unit to maintain a clean work environment
- ▶ A touchscreen HMI to select the right configuration, troubleshoot the machine, etc.



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