

LASER SERVICES DIRECT

WHAT IS LASER CLEANING?

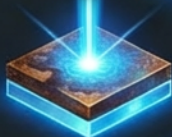
The Science Behind Precision Surface Restoration

HOW IT WORKS



1. PULSE

High-energy light pulses target the surface



2. ABSORB

Contaminants absorb the laser energy



3. VAPORIZE

Unwanted material instantly vaporizes



4. REVEAL

Clean surface underneath is exposed

THE TECHNOLOGY

Pulsed fiber laser cleaning uses concentrated beams of infrared light delivered in rapid pulses. The laser energy is absorbed by contaminants like rust, paint, and oxidation - heating them so quickly they vaporize instantly, leaving the base material unharmed.

WHAT IT REMOVES

- | | |
|--------------------|-----------------------|
| • Rust & Corrosion | • Oxidation & Tarnish |
| • Paint & Coatings | • Carbon Buildup |
| • Grease & Oil | • Scale & Residue |

WHY IT'S BETTER

- ✓ **No Chemicals** - Zero toxic substances
- ✓ **No Abrasives** - Won't damage surfaces
- ✓ **No Water** - Completely dry process
- ✓ **No Waste** - Nothing to dispose of
- ✓ **Precision** - Targets only contaminants

Precision Cleaning. Restore. Don't Replace.