



INDUSTRIAL LASER SOLUTIONS

FOR THE METAL SURFACE FINISHING INDUSTRY



UNLOCK YOUR FULL MANUFACTURING POTENTIAL WITH LASER TECHNOLOGY

Highly precise and powerful, laser technology gives manufacturers a tremendous edge in manufacturing with a huge increase in productivity, lower operating costs, more consistent results and the advantage of automation when it comes to texturing, cleaning or marking of metal surfaces. In comparison to traditional methods, laser surface treatment ensures a uniform quality over the entire treatment area and perfect repeatability.

BENEFITS OF LASER TECHNOLOGY

ELIMINATE MANUAL MASKING PROCESSES

Replace multistep process that include time-consuming manual masking with lasers that can perform highly accurate and selective operations.

HIGH PRECISION AND CONSISTENCY

Laser technology provide maximum accuracy and repeatability. It is nonabrasive and noncontact cleaning process, which means over time, there is as no media degradation that decrease the quality of the process.

AUTOMATED PROCESS

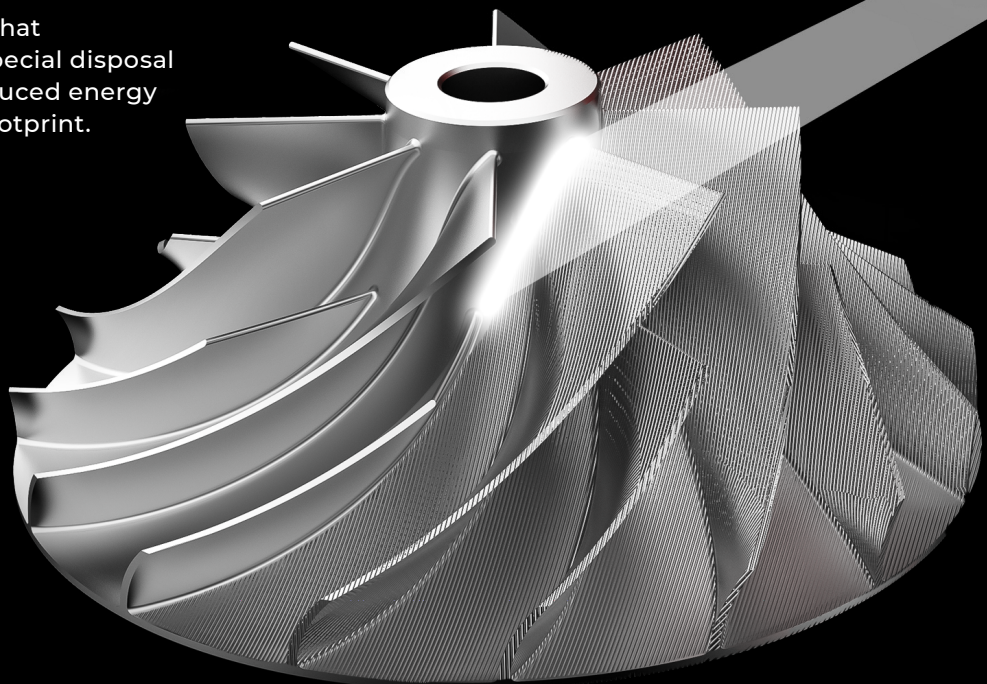
Lasers have the advantage of automation and robotization. Your manufacturing capabilities become much more precise, consistent and adaptable.

NO CONSUMABLES

Laser technology is the cost-effective. It does not require chemicals or blasting medias as opposed to other traditional processes such as shotblasting, sandblasting or chemical treatments.

ECO-FRIENDLY

Laser technology is a green technology that does not generate wastes that require special disposal procedures. It has a long product life, reduced energy consumption and minimal equipment footprint.

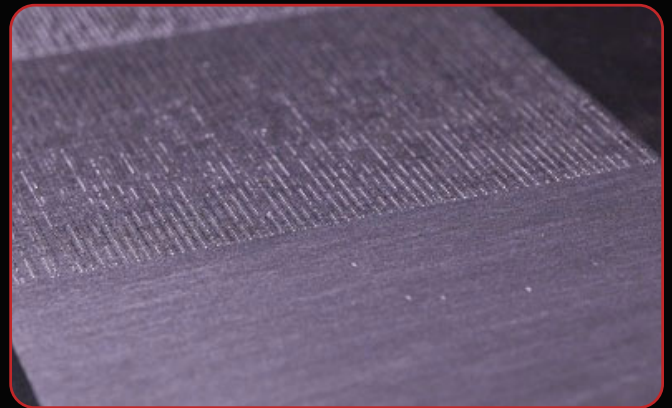


LASER APPLICATIONS IN SURFACE FINISHING

SURFACE TEXTURING TO IMPROVE ADHERENCE

By creating a surface roughness that improves adherence, laser texturing prepares surfaces for manufacturing processes such as adhesive bonding, thermal spray coating, and laser cladding.

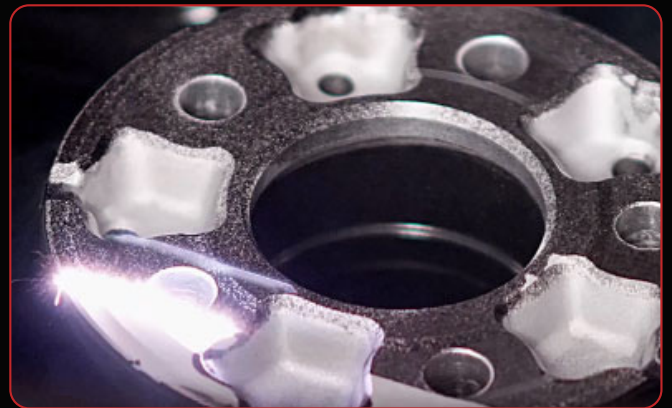
- ▶ Increase adhesive force
- ▶ Increase adherence and resistance of coating and cladding
- ▶ No consumables and pollution as opposed to shotblasting
- ▶ Texturing is highly precise
- ▶ Can be precisely performed inline



SELECTIVE PAINT REMOVAL

Laser cleaning is the newest, fastest and most efficient method to remove contaminants with unmatched precision and consistency without damaging the base material. Productivity and quality, the best of both world.

- ▶ Eliminate manual masking
- ▶ Maintain part integrity
- ▶ Highly precise and automated process
- ▶ Cost effective
- ▶ Eco-friendly



OXIDE REMOVAL AFTER WELDING

Before a welded part is painted or anodized, use laser cleaning to remove oxides, protecting the structure and preventing the paint from peeling off over time. For stainless steel parts, get a clean surface across the joint without the blackening that typically results from welding.

- ▶ Easily integration on production lines
- ▶ Fast and automated cleaning process
- ▶ Same quality on every parts
- ▶ No consumables and disposal procedures
- ▶ Eco-friendly



LASER PRODUCTS FOR THE MANUFACTURING INDUSTRY

Laser systems manufactured by Laserax are designed to be easily integrated into manufacturing environments, such as robotized production lines, conveyor systems, or even standalone operations to be launched manually. We offer everything you need to have a fully functional laser, such as fume extraction systems, integrated barcode readers, and Class-1 laser safety compliance.

OEM SYSTEMS

Easy to integrate, our OEM systems have advanced features specifically designed for high-volume manufacturing environments. We also offer Class-1 laser certification options with all our systems.

With their industrial-grade components, our lasers have an operating life of at least 10 years.



TURNKEY SOLUTIONS

Laserax has designed a broad range of standard turnkey machines ready to be integrated into existing production lines. All machines are 100% safe and follow Class-1 standards for laser safety.

Our standard machines are fully adaptable to your exact needs.



laserax.com

**INDUSTRIAL LASER SOLUTIONS
FOR THE METAL SURFACE
FINISHING INDUSTRY**

LASERAX HEADQUARTERS

101-2811 Watt Ave
Quebec, QC G1X 4S8
Canada
+1 418 780-7324

LASERAX USA

41210 Bridge St
Novi, MI 48375,
United States
Toll-Free: +1 888 427-2024

LASERAX GmbH

Im Kleinfeld 17 79189
Bad Krozingen
Deutschland
+49 (0)7633-836-4935