Large Format Industrial Solutions

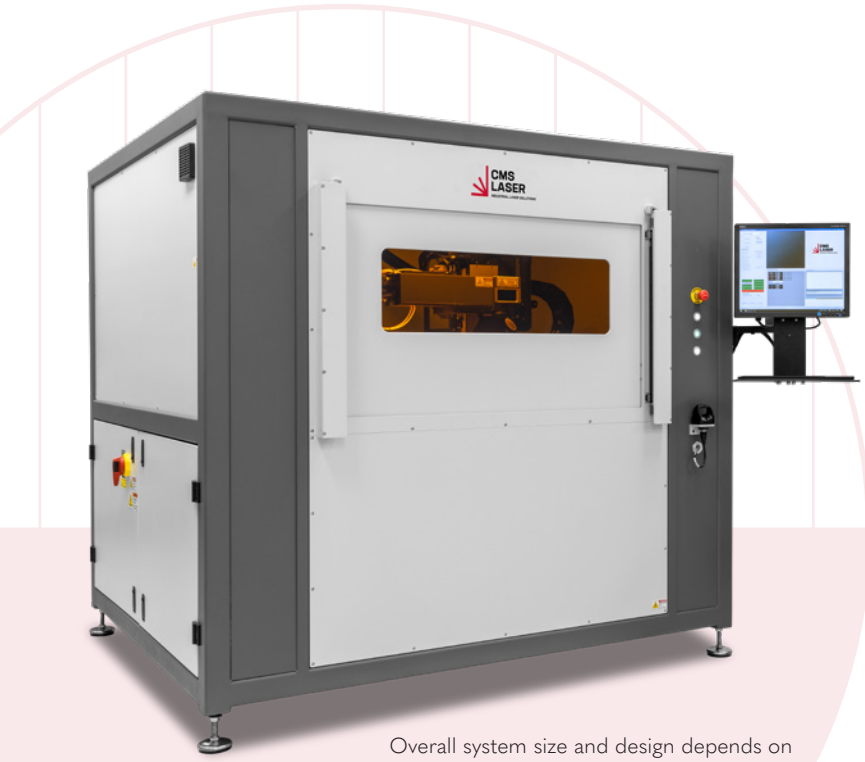
Versatile Laser Machines for the Appliance Industry

Appliance manufacturers benefit greatly from the use of lasers in their production process by being able to mark, engrave, cut, and weld metals using a non-contact, environmentally clean process. Lasers can create high-contrast surface markings with a smooth and clean finish, eliminating traditional methods. Lasers can also remove the paint on glass and transparent plastics for touch controls and backlit panels.

Contact us today to learn more about our solutions for the appliance industry. We provide free sample testing through our applications development lab to determine the best laser configuration and optics for the material being processed.

SYSTEM FEATURES

- CDRH Cass 1 laser system
- XYZ gantry laser with galvanometer scanhead
- Tilting table style fixture
- Fume extraction system
- Optional machine vision for feature location, validation, or process monitoring
- Windows® operating system with CMS LaserGraf5 software



Overall system size and design depends on desired process and material size

XYZ GANTRY LASER MARKING SYSTEM

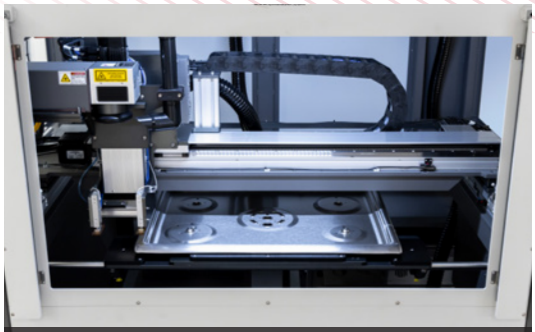
SYSTEM DIMENSIONS (LxWxH)
78.5in x 67in x 75.4in
1990mm x 1700mm x 1910mm

LASER SOURCE
Fiber or Picosecond

CMS LASER
INDUSTRIAL LASER SOLUTIONS

Laser Processing Advantages

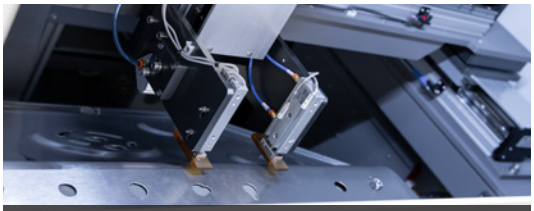
- Non-contact process
- Low maintenance
- No consumables and additives
- Permanent and high-contrast markings
- Create strong, complex deep welds
- Drill or cut through thin metals, foils, plastic, ceramics, and glass
- Computer-controlled process
- Integrate robots and automation for increased ROI



XYZ Gantry Laser

Laser Marking & Engraving Stainless Steel

Direct part marking on appliance parts made of metal, glass, plastic or other materials. Mark user control information, manufacturer identification, safety warnings, quality control, product tracking, serialization and dates. Create graphics, logos, text, barcodes, and data matrices.



Tilting Table Fixture

Laser Ablation of Painted Glass

Through an ablation process, paint can be removed from metals, glass and transparent plastics. Create appliance touch controls and backlit panels.

Marking & Engraving

Ultrafast Laser Marking

New ultrafast lasers are able to create higher quality dark markings than traditional nanosecond (fiber) lasers. The marking is not angle dependent and keeps its rich dark appearance when harsh light is introduced. Below is a sample of the markings. Notice how the left coupon performs better under harsh lighting.

Paint Ablation

The coupon on the left was created using an ultrafast (picosecond) laser while the one on the right was applied with a nanosecond (fiber) laser

CMS LASER
INDUSTRIAL LASER SOLUTIONS

CMS Laser
4420-A Metric Dr.
Winter Park, FL USA 32792

P / 407.679.9716 E / sales@cmslaser.com **www.cmslaser.com**

CMS Laser follows a policy of continuous product improvement.
Specifications and system design are subject to change without notice.