

# Tumbler Laser Engraving Machine

## High-Precision Product Branding and Customization

The Tumbler Laser Engraving Machine by CMS Laser is a turnkey solution for marking cylindrical products in industrial settings. This fully automated laser-based system powers up your customization processes and produces high-contrast, high-definition marks by ablating paint from a tumbler's surface in the desired pattern. Program the operation via our specialized software, load tumblers on the conveyor, and watch as the system delivers precision marked results, cycle after cycle. The process is observable through laser safety windows, while custom configurations can be made for the system's organic integration into your production line. The system employs a robot arm for the transport and rotation of the tumblers through the workstation. Machine vision supports precise positioning of the marking. Minimal maintenance is required over its lifespan.



## System Features

- » CDRH standard Class I system
- » Rotary for circumferential marking
- » CMS LaserGraf5 with Windows® OS
- » Machine vision alignment
- » Two marking stations
- » CO<sub>2</sub> laser / fiber laser
- » FANUC SCARA robot
- » Fume extractor
- » Safety interlocks

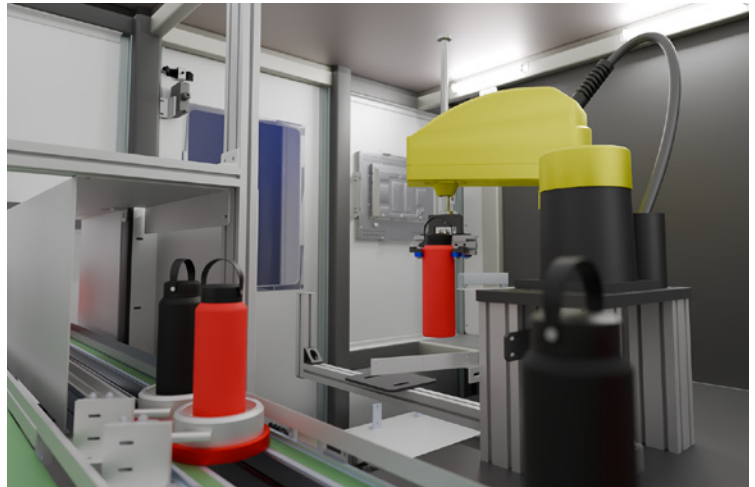


Watch Video



## Advantages

Automated laser machines with robotic parts handling simplify the complex product marking tasks in your manufacturing operations. The Tumbler Laser Engraving Machine by CMS Laser provides superior quality and timeless durability for visuals marked or engraved into your products, guaranteeing customer satisfaction. Take advantage of this operator-safe, high-throughput system and opt for the configurations that will best suit your production flow.



## Software & Options

- » Accepts standard graphic files for conversion into .LOF format
- » Backend database storage
- » Local or network database capability
- » Simultaneous multi-user login to database
- » User-friendly touchscreen interface
- » Pause and resume feature
- » Multilingual interface option

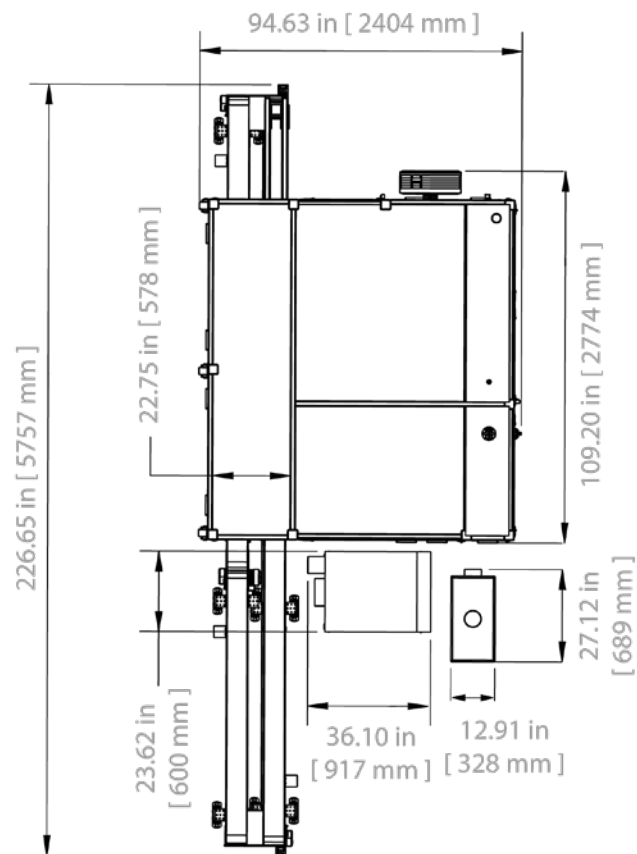
## Marking Process

- » High-speed, high-resolution marking
- » Consistent, repeatable results
- » Marking area of up to 6 x 6 inches
- » No mechanical stress
- » Streamlined production process
- » No consumables or recurring costs
- » Air-cooled laser processing
- » Low-maintenance operation

## Tumbler Transport

- » Conveyor line
- » Size-adjustable puck
- » Pick and place robot
- » Speed-adjustable rotary

## Two-Dimensional Drawing



Control Micro Systems Inc. offers custom-built solutions. For assistance in determining which capabilities will best suit your needs, contact Control Micro Systems inc. or visit our website at [www.cmslaser.com](http://www.cmslaser.com)



The infrared light emitted from this laser system is invisible and harmful to the human eye.

21 CFR 1040.10 Compliance: This system is a Class I laser as designated by the CDRH and meets the full requirements for stand-alone laser systems as defined by 21 CFR 1040.10 under the Radiation Control for Health and Safety Act of 1968.

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