



Technical Brochure

CMT Eclipse™ LE16

Compact Laser Marking Machine

LE16 Laser Marking Machine

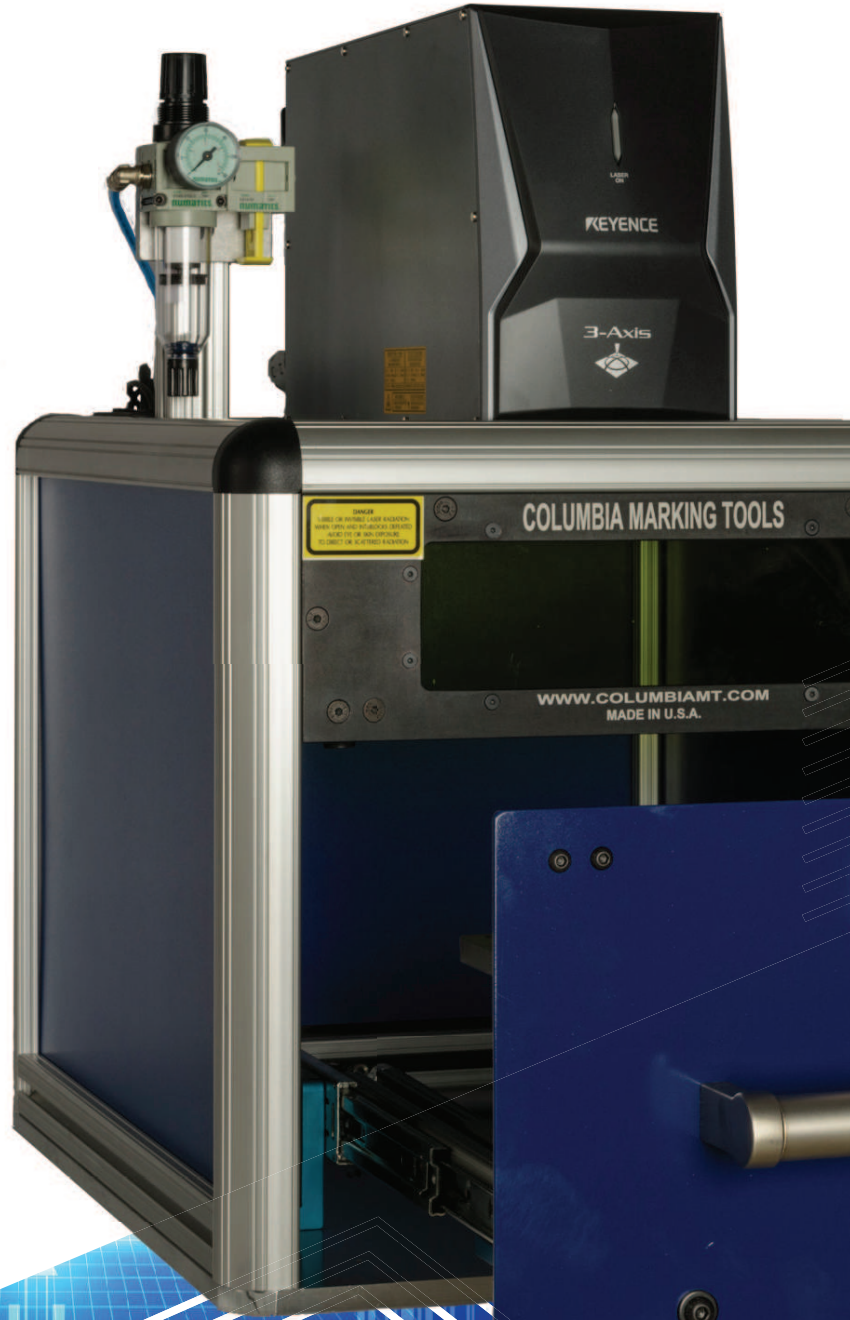
Offered as a complete laser marking machine, or enclosure only, for customer supplied laser.

The compact model LE16 Laser Solution is designed for safely laser marking small parts. This model can be used as either a floor style or bench-top system.

The LE16 has a work area of 10" x 10" x 5" (height varies – dependent on the laser source). Compact design is accomplished by mounting the laser outside of the enclosure.

Standard features:

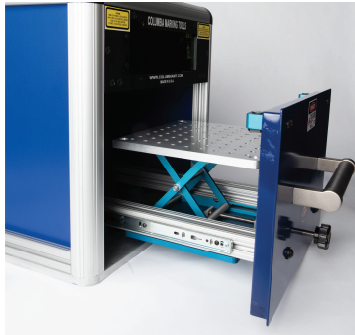
- Light tight enclosure
- Large viewable safety glass
- Variable height adjustment
- Laser status light
- Drawer door with integrated safety lock
- Auxiliary fume extractor port
- Fixture breadboard mounting plate



Auto open/close door

Automated upgrade opens and closes door after completion of successful marking cycle. Includes upgrade to cycle start with E-stop.

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Fixture Plate

The fixture breadboard mounting plate has an 8" x 8" matrix of tapped mounting holes. The maximum load is 100 pounds. The fixture height can be adjusted to move the part into place for marking.



Machine Base

Industrial machine base with cabinet for tooling and laser controller. The electronic junction box for the PC and automated door are mounted to base. Caster upgrade also shown - not included with base.



Fume Extractor

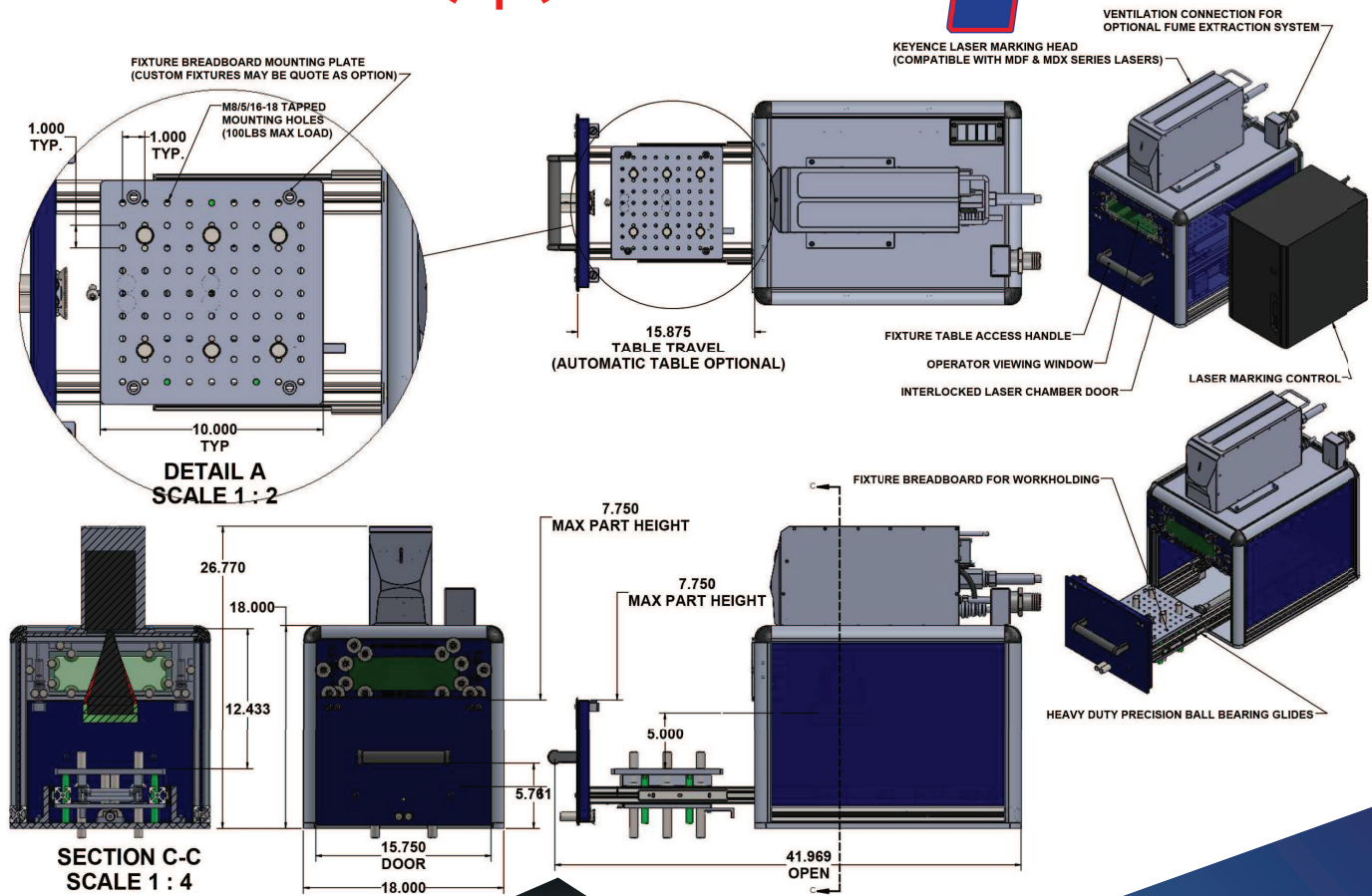
Brushed stainless steel floor style cabinet with rolling casters. 3-stage filter system, pre-piped and wired to laser enclosure system as complete package. Includes hoses, and suction nozzle mounting.



Turnkey Industrial PC

The industrial fanless PC with no moving parts, 24 VDC, with Windows software comes with a 17" monitor and mount, membrane keyboard with integrated mouse and keyboard shelf.

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LE16

Technical Summary

Enclosure Specifications:

- Voltage 120V AC
- Enclosure dimensions: 18" x 24" x 16" (W x D x H)
- Work table: 10" x 10"
- Z axis 5" est (height varies by laser model used)
- Weight: 96# (no base)
- Class 1 certified to CDRH standards

Part Numbers:

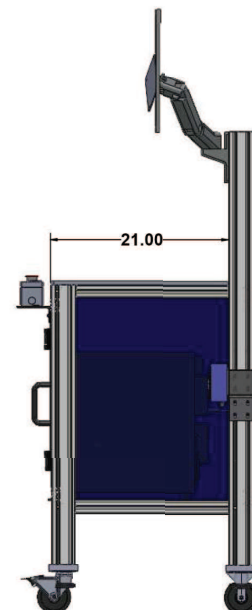
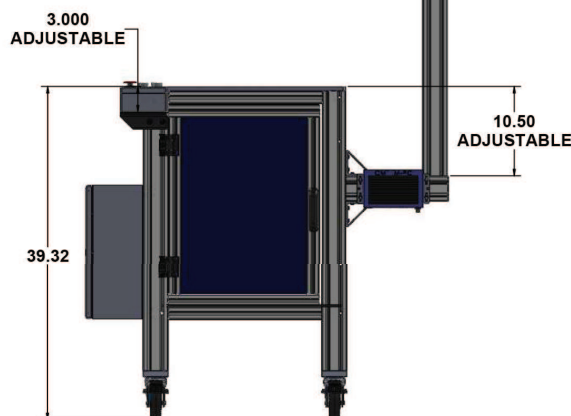
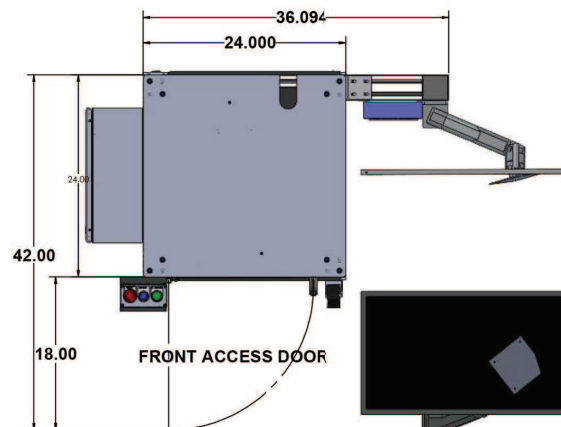
- LE16 - Basic enclosure
- LEPC - Industrial computer and mounting
- LEBASE - Machine base
- LECT - Caster upgrade
- LEAD - Autodoor upgrade
- LASERFA2 - Fume extractor

Workholding:

- PLF10S* - Simple 1 piece

Laser Selection:

CMT provides a wide range of laser sources:
Power: 1 watt to 50 watt
Type: Co2, fiber
Options: 3D profiling, and camera for 2D mark verification.



CMT  **Eclipse**



Webpage - Video - Quote Request

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