

# UltraScribe™ CO<sub>2</sub>

## CO<sub>2</sub> Laser Engraving Systems



Our new compact design featuring a self-contained power supply makes the Alase Technologies, Inc. UltraScribe CO<sub>2</sub> ideal for on-line integration. Air-cooled and low maintenance, the UltraScribe CO<sub>2</sub> is the cost-effective solution for your marking requirements.

- **Compact footprint**, no external power supply
- **Multiple system configurations**: vertical, horizontal, side shooter
- **Fast, high throughput** writing speed of up to 250 characters per second
- **Industrial design** to meet 24/7 operation
- **Easy-to-use** WinLase Editor software for high reliability and convenient set-up
- **Wide selection** of field sizes, focused spot sizes, and laser powers
- **Laser lifetime**: >25,000 hours

*Ideal for product identification: part numbers, date codes, bar codes, and serialization for identification and traceability*



*Applications in industrial, decorative, automotive, aerospace, medical, semiconductor, and electronics markets*



# UltraScribe™ CO<sub>2</sub> Specifications

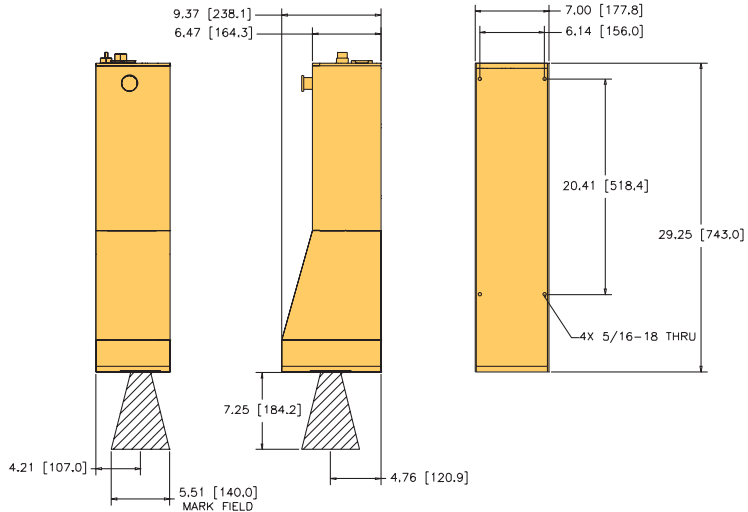


Full turnkey solutions including:

- Class I enclosures
- Rotary workstations
- Z-axis decks
- XY stages & conveyors



Multiple configurations, including vertical, horizontal, and shoot-down available for ease of integration



## Physical (Width x Length x Height)

- Laser rail:  
178 mm x 743 mm x 164 mm  
(7.0" x 29.5" x 6.47")
- Self contained laser power supply

## Available Field Sizes

- 70 mm (2.75") Mark Field, ~150 µm nominal spot size
- 140 mm (5.5") Mark Field, ~300 µm nominal spot size
- 210 mm (8.3") Mark Field, ~450 µm nominal spot size

## Available Laser Powers (at 10.63 µm)

- 10 watts, model shown above
- 25 watts, Consult factory for specifications
- 50 watts, Consult factory for specifications
- 100 watts, Consult factory for specifications

## AC Power Requirements

- Laser Power Supply:  
120 VAC, Single Phase 50/60 Hz, 13A
- System Controller/Computer  
120 VAC, 10 amps, 50/60 Hz or  
220 VAC, Single Phase, 5 amps, 50/60 Hz

## Cooling Requirements

- Air Cooled:  
1" minimum clearance above laser

## WinLase Editor Software

- Full-featured, graphic user interface
- Assemble images, text and barcodes and quickly create marking jobs
- Supports TrueType fonts and 1D/2D barcodes with serialization
- Automatic date coding and barcoding incl. 2D DataMatrix ECC-200
- Import scanned or generated graphics in many different file formats
- Mark moving objects (mark on the fly)
- Step-and-repeat array marking
- External control interface over RS-232 and TCP/IP
- Built-in automation scripting
- COM automation server for custom GUI
- Pentium-based controller/computer running Windows XP, NT or 2000

## Available Accessories

- Visible red pointer beam
- Variable-height parts stage
- XY Stages
- CDRH Class I compliant safety enclosure (standard or custom)
- Automated height adjustable machine table
- Simplified touch screen operator controls
- Rotary tables and rotary indexers
- Chillers and fume extractors
- Mounting legs

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