

## Specifications M-Series Engraver

- Laser Source: Sealed CO2 Laser
- Power: Models in 12 watt, 25 watt, 40 watt, 60 watt, 75 watt, and 100 watt
- Work Area: 25" x 18" (635mm x 457mm)
- Max. Working Piece Door Closed: 31.5"W x 22.4"D x 6.5" thick (800mm x 570mm x 165mm) back and front door closed
- Max. Working Piece Door Opened: 26.8"W x 22.4"D x 6.5" thick (680mm x 530mm x 165mm) back and front door opened
- Table Size: 31" x 20.9" (790mm x 530mm)
- Overall Dimensions: 44.3"W x 28.3"D x 39.6"H (1125mm x 720mm x 1005mm)
- Drive: DC Servo Control
- Speed Control: Adj. from 0.1 to 42 ips; 16 colors linked speed setting per job
- Power Control: Adjustable from 0-100%; 16 colors linked power setting per job
- Motorized Z Axis: Auto Focus
- Resolution (DPI): Optical 1000, 600, 500, 300, 250, 200
- Computer Interface: Equipped with parallel and serial ports
- Memory Buffer: 16MB standard upgradable to 64MB with SIMM modules
- Display Panel: 4-lines LCD display showing current file name, laser power, engraving speed, file loaded into memory buffer, setup and diagnostic menus
- Power: **M-12 Model-110/220V**, AC Auto Switch/10Amp, **M-25 Model-110/220V**, AC Auto Switch/15Amp, **M-40 Model-110/220V/AC** Auto Switch/15Amp, **M-60 Model-220V/20 Amp**, **M-75 Model-220V/20 Amp**.
- Comes with Windows driver. Can be used with a variety of Windows based software, such as CoreDRAW, Photoshop & more.

### Options—

- **Rotary Attachment**—max. diameter working area: 6.5" x 17.71"; max. weight: 15.4 lbs
- **Air Assist Kit**—blows away vaporized particles and prevents overheating. Also, keeps lens clean to promote long life. May use with optional air compressor AC110V or AC220V
- **Lenses** - 2" is standard, optional lenses/1.5", 2.5", or 4."
- **Vector Table** - when doing vector cutting put under the media to vent out heat and smoke
- **Odor Reduction Unit & Blower** - activated carbon 5.5 lb/2.5kg (standard) AC110V or 5.5 lb/2.5kg (standard) AC220V
- **Warranty** - See opposite page
- **Color of laser case** may vary from photo

# Pinnacle™ M-Series Engraver

### CO2 Laser System

The Pinnacle Engraver with CO2 technology provides superior resolution when cutting plastics, acrylics, wood, and coated metals.

### Safety First is Built In

Class 1 enclosed compartment protects you from laser exposure. Comes with a built-in automatic shut off safety feature. Ask about the air assist option and special ventilation needs.

### 3-D Engraving

Produce 3-D images! Just use any gray scale photo with 256 shades of gray. The darker the shade of each pixel in the original photograph, the more power M-series applies. More power means stronger engraving.

### 42ips

With a high speed DC servo control and 42ips you get high speed engraving that will enhance your production.

### 1000 DPI

True optical for excellent engraving quality.

### Auto Focus Gauge

No guess work with the simple, unique focus gauge—instantly sets the precise focal point.

### Guide Rules

For easy part positioning on the large 25" x 18" table

### Red Spot Alignment

Pinnacle Engraver laser beam/red spot alignment locates accurate engraving position. Upgradable laser source, with higher power options.



### Friendly Control Panel

4-line LCD display for easy control of all your jobs right here. Multi language.

### Handles Oversize Jobs

The specially designed front and back doors mechanism makes it easy and convenient to handle extremely long working pieces.

### 16 Mb Buffer

Buffer memory holds completed jobs so you can design the next. Expandable to 64Mb.

### Cabinet & Stand

Attractive 43" x 29" sturdy cabinet on a tough & durable stand—designed for production in your sign shop.



### (Optional) Dual Head Unit

The dual head unit allows you to work more efficiently without wasting time and materials.



### Variety of Materials

Engrave on a wide variety of materials for plaques, trophies, and awards: plastic, acrylic, Plexiglas, Lexan, glass, rubber, wood, and more.

## Get 34% more production with our larger 25" x 18" table!

Affordable laser engraving and cutting is here with the powerful Pinnacle™ M-Series engravers. Available in 12w, 25w, 40w, 60w, 75w, 100w models. All Pinnacle™ engravers combine proven CO2 technology, high speed, and the laser power you need for custom made work or high volume production.

Easily engrave, cut, or mark on many types of materials, such as acrylic, plastic, wood, rubber, ceramic, marble, matboard, and even leather. You can also engrave color coated metallic items for more versatility.

The Pinnacle™ handles raster engraving as well as vector cutting. The laser power (or wattage) determines how deep you can engrave or cut certain materials. When cutting vector images, you need more wattage power to cut thicker materials. With the Pinnacle's optical 1000 dpi raster engraving—clip art or scanned images are crystal clear. You can even see the fine details of your engraved image. A maximum speed of 42ips means high productivity on certain materials.

It's easy to use—guide rules make it a snap to position items for engraving. The motorized focus gauge precisely adjusts your focal point automatically for the sharpest image. Next, just align the red spot, and you're ready to engrave. Add the optional rotary attachment for curved items, such as mugs and glassware. The only maintenance required: keep it clean.

It comes with a Windows driver so you can use most of the popular programs—Photoshop, Illustrator, CorelDraw, Laser Express, etc.