

Cobalt 300 Laser



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The Cobalt 300 is an advanced CO2 laser engraver, cutter and pad printing plate maker equipped with the highest-speed servo-driven motor and the most user-friendly software on the market. The Cobalt 300 employs CO2 laser technology and specially designed Laser Plates to produce high resolution cliches for pad printing directly from the computer, without the use of film positives, chemicals or concern about depth control. In addition, this laser etcher comes with the industry's best warranty.

The servo drive amplifier enables smoother motions at higher speeds than stepping dive motors, which makes the Cobalt 300 the fastest laser engraver in its class. The maximum etching speed is 110 inches per second. This machine also has an unsurpassed software package for quick positioning, modifying and printing multiple graphics to the laser. The XY motion of the laser print head enables etching of very large images (up to 12" x 24"), making the Cobalt 300 a highly flexible machine for etching Acculaze and Imperial pad printing plates, engraving promotional products, laser marking products and cutting fixtures.

SYSTEM SPECIFICATIONS

- 12 watt CO2 laser, air cooled*
- 1.5" focus lens*
- Maintenance-free brushless DC Servo drives with optical encoders*
- 24" x 12" x 6.7" (610mm x 305mm x 170mm) X-Y-Z travel*
- 110"/sec maximum processing speed*
- Laser diode pointer*
- Auto focus feature*
- Advanced Cobalt 300 software*
- 2 year warranty*

POWER REQUIREMENTS & DIMENSIONS

- Current:5A*
- Voltage..... 110V*
- Machine dimensions.....27.5"W x 38.5"L x 16"H*
- Shipping weight.....315lbs (142.9kg)*



BENEFITS OF DIRECT-TO-PLATE PROCESS

- IMPROVED PLATE QUALITY – 1st generation images with exceptional depth and halftone control, straight walled etch with more precise inkwell profile than that of photosensitive plates**
- SIMPLICITY, TIME AND COST SAVINGS – it takes 1-5 minutes to etch a plate, with 100% repeatable results; there are no film positives or chemicals to purchase, handle and dispose of**

SOFTWARE FEATURES

- Marker - for quick and precise positioning of artwork
- Change speed & power settings on the fly
- Job Queue - complete list of jobs with etching parameters
- Guidelines - drag and drop for easy registration
- Several jobs can be positioned and etched at the same time
- Repeat Function - with one push of a button
- Graphic Preview Button - see the actual image to be etched
- Naming Feature - ability to save files with unique names

ACCESSORIES

- Air assist with built-in pump
- Rotary engraving attachment

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