

# Cobalt 500 Laser



(PATENT PENDING)

INKCUPS NOW 

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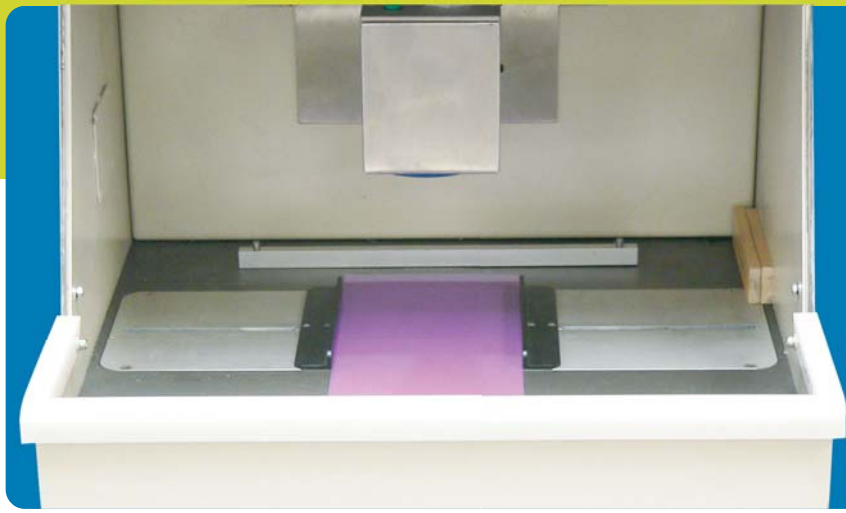
**Another Innovation from Inkcups Now Corporation:**

Inkcups Now introduces the revolutionary Cobalt 500 plate making and engraving system – a lower cost alternative computer to plate etching system to the highly successful Cobalt 1000 laser system. The Cobalt 500 laser system uses CO<sub>2</sub> laser technology and specially designed Imperial Printing Plates (Patent Pending) to produce high resolution pad printing plates directly from the computer, without the use of film positives.

The results of the Cobalt 500 system are outstanding. The system is extremely fast (it takes approximately 1 minute to etch an image into the Imperial Plates) and has dramatically improved print quality over traditional photosensitive polymer plates. The speed of etching coupled with superior image quality and programmable halftones make the Cobalt 500 Laser and Imperial Plate the perfect match. Together, they form the most productive and cost effective marriage of products introduced into the pad printing field in the last decade

**SYSTEM SPECIFICATIONS**

- 10 watt sealed CO<sub>2</sub>*
- Self-centering plate registration system*
- Scan head vertical micro-adjust system*
- 105mm x 105mm marking area*
- Red aiming diode*
- 400mm x 400mm operating area*
- Cobalt Software package - handles Adobe Illustrator and .dxf files*
- Adjustable power, frequency and speed settings*
- Integrated electro-mechanical safety shutter*
- Current: 10 Amps Voltage: 110V*
- Machine dimensions: 19"W x 31"L x 27"H*
- Shipping weight: 145 lbs*



**PROCESS IMPROVEMENTS**

- Improved print quality: laser plates are 1st generation so there is no loss of resolution due to film*
- Etched Imperial laser plates (patent pending) are 100% repeatable*
- Improved ink lay down: laser engraved plates have a straight walled etching and more precise inkwell profile than polymer plates*

**DIRECT COST SAVINGS**

- Eliminate film costs*
- Eliminate chemical costs: image-setter fixer, developer, and plate toner cartridges*
- Eliminate maintenance contracts for image-setter and processor*
- Eliminate hazardous waste stream and supply shipping costs*

**TIME AND EFFECIENCY SAVINGS**

- Reduce plate making time: 2-3 minutes for an Imperial laser plate vs. 15 minutes for a polymer plate*
- Eliminate bad plates - total depth control gives consistent plates every time*
- Lower machine downtime - more reliable plates allow pad printing machines to run with fewer interruptions*

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