ICN Laser Plates

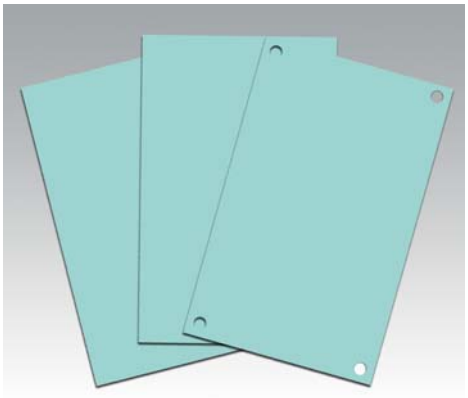
Plates for CO2 and YAG Laser Engravers

The Laser Plates by Inkcups Now Corp. bring simplicity and repeatability to the making of pad printing plates:

- ICN Laser Plates are designed to be etched with CO2 or YAG lasers. They can be used on our Cobalt laser systems or nearly any industry standard laser engravers, provided these machines have updated software, small spot size and quality power control.

- Unlike traditional plate-making with photosensitive plates, laser plate-making is a computer-to-plate process, which does not involve film positives or chemicals. Laser Plates enable first generation etching with exceptional depth and halftone control and are ready within just a few minutes.

- As the pioneer of computer-to-plate technology in the pad printing industry, Inkcups Now holds patents on the various plate materials and has developed the largest selection of laser plates, specifically designed to accommodate varying applications and machine types.



AccuLaze plates - for CO2 & YAG laser

The AccuLaze plate material can be etched by either CO2 or YAG laser engraver. Having a fixed depth of .00085" (20 microns), the AccuLaze material makes it easy to find the correct settings on any capable laser system. AccuLaze is perfect for fine lines, small graphics and process images.

The AccuLaze Plates have a steel center and are double-sided so they can accomodate up to 4 images. Each side will withstand approximately 15,000 impressions. The AccuLaze plates ship with protective peel sheet on both sides.

Imperial plates - for CO2 laser (patented)

The Imperial plate material, which can be easily identified by its purple color, is the result of thorough research and development by ICN engineers. Specifically designed to absorb the CO2 wavelength, this material provides complete depth and halftone control with exceptional reproducibility of dot pattern for a most wide variety of graphics, with either bold or fine lines. To make the best of the Imperial plates, you need a laser system with the power of at least 10W.

The Imperial plates are steel backed and 0.018" thick. They have a life of approximately 15,000 impressions. The Imperial plates come with a protective peel sheet, and have an excellent surface finish for smooth doctoring.

INKCUPS NOW
20 Locust Street, Danvers, MA 01923
Phone: (978) 646-8980 Fax: (978) 646-8981
www.inkcups.com

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Cobalt Plates for YAG Laser Engravers

The Cobalt is our most diverse plate material. All types of Cobalt plates are designed to accommodate a broad range of graphics, from bold images to fine lines. Cobalt's proprietary coating is held to extremely tight tolerance for guaranteed depth control, which enables consistent laser settings from batch to batch. The surface finish of the Cobalt plates is high gloss for excellent plate clearing; dot pattern control is easily achieved for exceptional print quality.

Standard Cobalt Plates

The Standard Cobalt plate material works very well for any type of graphics. The thickness of this material is ideal for the use with magnetic ink cups. The plates are designed to flex into the ink cup creating a perfect seal on the inner edge of the ceramic ring.

The Standard Cobalt plates are 0.012" thick and can be etched on both sides for up to four images per plate. The life of a plate is approximately 15,000-20,000 impressions.

Cobalt Ultra Plates

The new Cobalt Ultra plate material is thicker than Standard Cobalt, resulting in improved resistance to damage and longer life. Increased thickness also leads to increased stability and makes these plates ideal for large bold images as well as for the use with non-magnetic ink cups and ink cups with steel rings.

These double-sided plates are 0.016" thick and have a life of approximately 15,000-20,000 impressions.

Cobalt Steel Back Plates

Inkcups Now's most recent innovation is the Cobalt Steel Back plate material. Having the same universal applicability as the whole Cobalt family of plates, it is the thickest and the most durable of them. It is perfect for extended production runs. As an additional benefit, these plates work great with both magnetic and non-magnetic ink cups as they combine the stability of the Cobalt Ultra and steel backing.

This unique laser plate material is 0.025" thick. It is able to withstand approximately 30,000 impressions.

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