

# DIGITAL PRINTING & CUTTING



Printing and Fabrication

We continually add new processes to our graphic arts abilities. The SOLJET PRO II, a recent addition to our printing and cutting equipment, allows us to produce work faster and with greater flexibility than ever before.

Using ink jet technology, this system depends on software driven printers and cutters, to achieve a finished decal, sign or overlay. Once an image has been printed, the cutter can automatically contour cut your design without having to reload or reposition the media, allowing us to produce pre-spaced/pre-masked signage and markings.

The true 1140 X 1140 dpi resolution makes it ideal for enlargements of fine art, photography, or mural-size graphics. We are able to offer a combination of exceptionally bright color as well as UV stability.



[www.bovie.com](http://www.bovie.com)



(603) 224-0651



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Bow, NH 03304



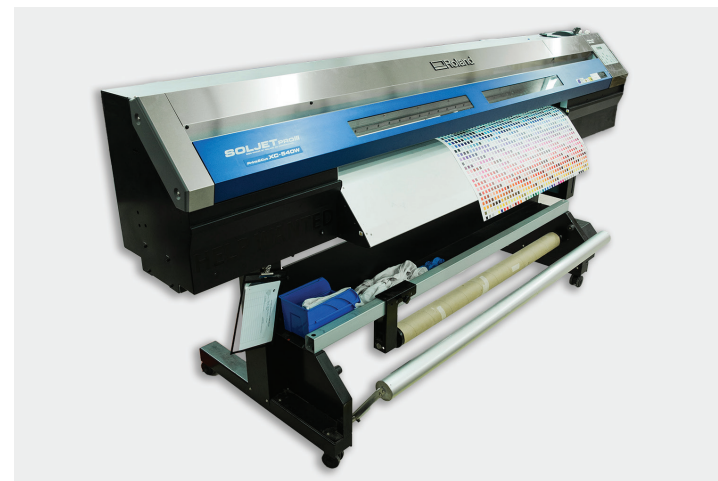
P.O. Box 720  
Concord, NH  
03302-0720



(603) 224-4908



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# GRAPHIC OVERLAYS



Printing and Fabrication

Most manufacturers no longer printed branded copy or instructions directly on their exterior metal or plastic panels. Today, they prefer graphic overlays as the ideal mode of finishing their products.

With graphic overlays, time and money are saved since the exterior panel can be punched to accommodate several models of the same equipment. The overlays hide or reveal as many features as desired.

Bovie is well equipped to produce graphic overlays to meet your immediate and long term needs. We offer overlays in a wide range of polyester, polycarbonate, and vinyl films. The designs, colors, and uses of these overlays are endless. We typically print your overlays second surface on thin gauge (.005" to .030") films. Windows, LED openings, embossing, and die-cutting can be used to enhance your product. Rear overlays define connections and vital equipment operation.

Our full-service art department, computerized color matching systems for both solvent and UV inks, precision die cutting with either steel rule dies or hard tooling, and precision embossing of both polycarbonates and polyesters provide you with an array of options to meet all your needs.



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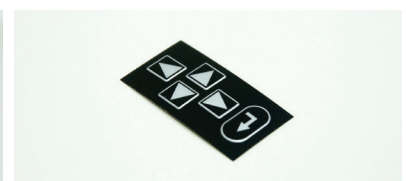
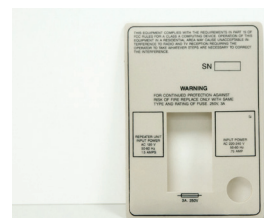
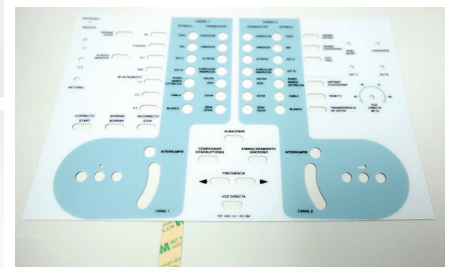
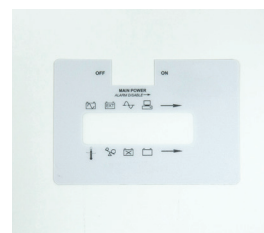
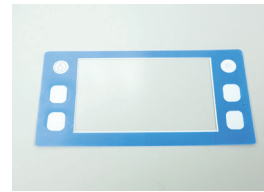
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# LARGE FORMAT INKJET PRINTER



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We have the Mimaki, an eco-friendly flatbed printer of the future, which uses solvent free inks. The Mimaki JF series is a large format UV-curable flat-bed printer with the versatility to print on numerous uncoated materials including corrugated plastics, polyacrylics and uneven or irregular media. Using standard white ink, the JF Series can print bright, vibrant color even on transparent material. This flatbed printer is perfect for printing short runs, rigid parts and overlays. We can do whatever your business requires quickly, more cost effectively and in an environmentally friendly way possible today.



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# MEMBRANE SWITCHES



Printing and Fabrication

Since 1950, Bovie has specialized in the manufacture of high quality screen printed products for industrial and commercial applications. For 20 years, we have been a leader in the production of membrane switches.

We offer:

- **Stainless steel domes**
- **Polyester tactile domes**
- **Flat switches**
- **LED encapsulated switches**

(All based on each customer's specific needs)

Our full-service art department provides computerized color matching for both conventional solvents and UV ink systems, precision die cutting with either steel rule dies or hard tooling, and precision embossing of both polycarbonates and polyesters.

A typical membrane switch is constructed in layers: a graphic overlay with adhesive; a top circuit, spacer circuit, bottom circuit and bottom adhesive, using polyester or polycarbonate films, graphic overlays are placed over the switch, to create a consistent aesthetic appearance. Hard-coating, surface texturing, pillow and rail embossing, dead-front graphics, and tinted windows are available options. Each membrane switch is rigorously tested before it leaves our facility.



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# NAME PLATES



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Bovie specializes in the manufacture of high quality nameplates, serial number plates, product identification and instruction plates for industrial, commercial and consumer applications.

These plates may be manufactured in stainless steel, aluminum, brass, polyester, vinyl, and acrylics. Multiple colors, epoxy doming, etch & fill, and forming are also available.

Nameplates are usually made from polyester or polycarbonate when multiple colors are required. Metal plates, on the other hand, are typically used for long-term military or industrial requirements, often attached with rivets or pins. Serial number and secondary marking needs are usually met with thin film or ink receptive plates. Most plastic plates are usually attached by permanent pressure-sensitive adhesives.

Bovie's full-service art department, computerized color matching systems for both solvent and UV inks, precision die cutting, punching, forming or routing with either steel rule dies or hard tooling, and precision embossing of both metals and plastics makes it possible to create just the right nameplate for your product.



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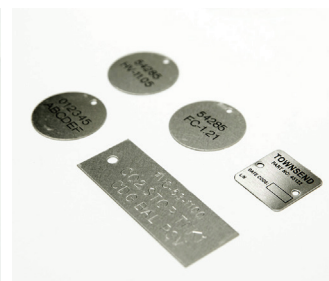
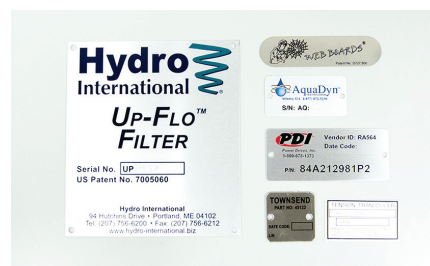
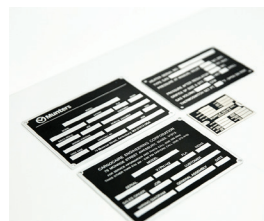
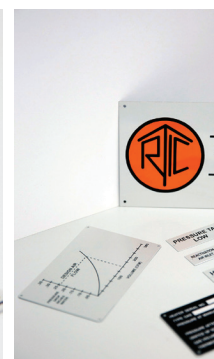
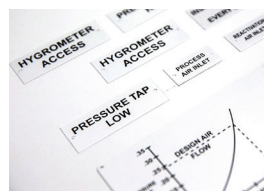
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# PLASTIC FABRICATION



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Bovie has consistently provided our customers with outstanding POP displays, signage and OEM (industrial) components. In over 33,000 square feet of manufacturing space, we use precision screen printing and technology to assure exceptional results.

In Bovie's newly equipped plastic fabrication division, we use CNC milling, edge finishing and routing machines to produce quality custom plastic fabrication products.



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# PRECISION CUTTING & DIE CUTTING



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Hard tooling and steel rule die cutting are techniques we use to produce parts for our customers. We also die cut gasket materials, blanks, and fabricated materials.

Bovie has recently added CO2 Laser Cutting ability to our finishing systems. These systems allow us to produce close tolerance precision items for mechanical, commercial, and medical applications.

We work with plastics, synthetics, fiber, rubber, and exotic materials to meet our customer's needs in quantities from one to one million. Laser Cutting is especially useful for short-run, quick-turn, and prototype requirements, achieving tolerance levels or not readily available by other methods.



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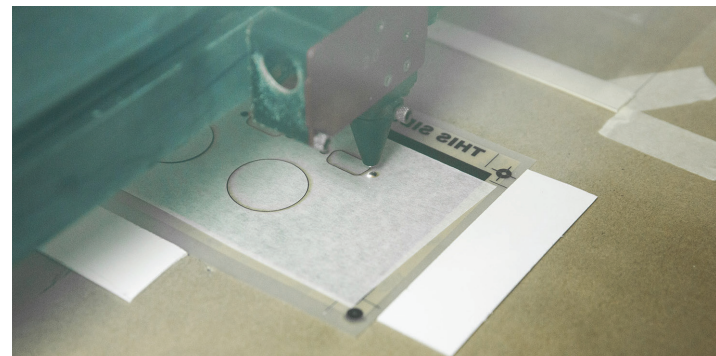
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# PRODUCT MARKING



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While printing directly on oddly shaped products or parts made of unusual materials can be difficult, it is often the most efficient and best way to achieve the desired end result. Bovie is up to the challenge, and we welcome any opportunity to help find solutions to your marking or adhering problems.

We can print on most surfaces or shapes in multiple colors of ink, conductive/dielectric combinations, or adhesives in film or foam. We have over 20 different ink systems to match the surface requirements of your materials.

Bovie expertly marks finished manufactured products by printing on flat or curved surfaces whether inside and out. In addition, we have a full-service art department, computerized color matching systems for both solvent and UV, and precision die cutting with either steel rule dies or hard tooling. For finished product marking, we use an array of printing techniques, including Screen Process, Pad Printing, Hot Stamping, Thermal and Gelatin Transfer method.

Let our experience in this area help to solve your marking or packaging problems.



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# ROLL LABELS



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Creating roll labels for commercial, industrial, and consumer users is another service we provide. Increasing need for these products has generated unique and specialized applications. Letterpress, Hot Stamp, Flexo, and Thermal printing methods are used to achieve our custom label designs.

Bovie has a full-service art department and computerized color matching systems for Letterpress and Flexo inks. Precision die cutting with rotary, steel rule or hard tooling is used to cut the individual labels into any shape desired.

Roll labels have achieved wide acceptance they can be easily adhered to almost any surface or shape. Typically made from thin gauge, pressure sensitive paper or film, an overlamine or clearcoat can be applied to labels to allow for added protection, or to enhance a label's appearance. Pin-feed, bar coding, consecutive numbering, UL/CSA constructions, and tamper proof are some of the many variations we manufacture.



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