

BOTTLES JARS AND TUBES INC.



Hot Stamping

The hot stamping process is straight forward:

- 1) A die made from artwork is mounted to a fixture connected to a hot stamping machine and heated to the correct temperature.
- 2) The hot stamping foil is positioned above the material to be imprinted: in this case the hinged lid plastic container.
- 3) The die is pressed down onto the foil, imprinting the hot stamping foil into the shape of the graphics to the top of the hinged lid of the plastic container.

The correct combination of heat, dwell time, pressure and stripping time, control the quality of the stamp.

Foil stamping is environmentally friendly. Because it is a dry process, solvents or inks are not used and harmful vapors are not produced. The foil is an extremely thin polyester film material containing several layers, with a dry pigment (color) layer, that is transferred to a substrate (like the hinged lid of a LaCon) by the use of heat and pressure.

Hot stamping on hinged lid containers is a one color process. We only put one foil color on per container. If you are looking for more detailed graphics and vibrant colors, a printed label is recommended. To purchase labels fill in, print out and fax back a [Label Quote Request Form](#).

The hot stamp die is an engraved plate where the non-printing areas are relieved. We use metal single-level or straight and level dies. The quality of the die is directly related to the quality of the artwork. In order to create artwork that works well for the hot stamping process please read our [artwork instructions](#).

Foil Composition Layers:

- **Film Carrier Layer:** The thinner the carriers, while all other things being equal, the faster the foil will transfer
- **Release Coat Layer:** Allows the other layers to release from the film carrier upon application of heat and/or pressure. This layer affects whether or not a foil is suitable for fine copy or heavy coverage.
- **Lacquer, Tie or Color Coat Layer:** provides a hard abrasion resistant surface to the foil when applied and carries the color tint in the form of pigments or dyes.
- **Metal Coat Layer:** Generally composed of aluminum to provide the reflective qualities and opacity desired in metallic foils.
- **Adhesive or Sizing Coat Layer:** The final layer is the sizing or adhesive layer which serves to bond the foil to the substrate being stamped.

There are two types of material available:

Metallic Foil Construction: has a metal like sheen and gives a shiny and shimmering look to the foil stamped design. Such foil paper is available in different metal shades such as gold, silver, bronze, and copper.

Pigment Foil Construction: does not have a metallic look and comes in different finishes such as Gloss, which has a very high lustrous finish and Matte which is not a polished finish.

Bottles Jars and Tubes offer a choice of 12 standard foil colors:

- **5 metallic:** Gold, Silver, Red, Blue and Green
- **7 gloss:** White, Black, Red, Blue, Green, Yellow, and Orange

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Many different types of custom foils are available for minimum order amounts. [Email Mark Cohen](#) with your specific request.

[To order hot stamped PolyCons click here.](#)