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Decorative
In-mold labels are used to enhance the appearance and longevity of decorative labels on many consumer products like cell phones, toys, etc. IML offers permanence, durability and improved graphics over heat transfer/pad printing or screen printing.

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In-mold labels are also used to communicate important product features or instructions. These labels must deliver superior graphics and withstand the test of time. IML offers a distinct advantage over pressure-sensitive labels typically been for these applications.

Safety
Warning, safety, knowledge and capability (UL, UA, ANSI) labels are critical to product operation and user safety. These labels must withstand heavy usage and extreme environments. Label failure is not an option. Here, IML is the only choice to ensure the label is clear and readable throughout the life of the product.

In-Mold Labeling and Decorating Process
1. Label is placed prior to injection of plastic as part of the automated process or by hand.
2. Plastic is injected into the mold, bonding with the in-mold label.
3. In-mold label is permanently bonded to the plastic part.

Overview
Taylor Communications is the single source for all your In-Mold Labeling needs. From light-duty decorative labels to harsh environment safety labels, Taylor Communications has the right product for you. Taylor Communications also offers a full line of tooling and automation equipment and a suite of technical services to support your robotics and automation needs.
The Right Product For Your Application

Not all in-mold labels are created equal. Taylor Communications is the only company that offers varying degrees of durability that adjust to your specific product needs:

**Thin Film**

The most commonly used IML method, designed for non-industrial or commercial product applications with a need for high quality visuals on disposable products and packaging. This option offers good durability and UV resistance.

**Grafilm®**

Exclusive, patented technology significantly increases the durability and UV resistance over Thin Film. Grafilm® is UL certified, making it ideal for a wide variety of consumer, industrial and commercial product applications. Grafilm creates a chemical & mechanical bond with most resins, including recycled resins, eliminating the need to match resin types. Grafilm labels adhere to the mold better than other labels, reducing scrap rates and decreasing production costs. This option offers excellent durability and UV resistance.

**Grafilm® Ultra**

Grafilm® Ultra is the most durable IML on the market today. Grafilm Ultra offers all the advantages of Grafilm plus increased abrasion resistance, chemical resistance, optional additional UV protection, and shaping capabilities. Grafilm Ultra is the choice for labels that come in contact with abrasive materials, hard particles or have irregular surfaces. This option offers placement flexibility and superior durability, as well as UV and chemical resistance.

**World-Class Support**

With manufacturing locations in the US and Mexico and more than a dozen warehouse and distribution locations, Taylor Communications will provide you with unsurpassed speed-to-market. We can store preprinted inventory near your manufacturing facility. Our facilities provide:

- ISO 9001:2008 Certification
- Six Sigma/Lean manufacturing principles and practices
- Warehousing and distribution – over 50,000 square feet for storage material
- US- and Mexico-based facilities
- Web-based bilingual inventory management system
- Real-time inventory status
- Bilingual customer service
- Long- and short-run color label production
- UV Flexographic printing
- Digital UV ink-jet printing for low-volume labels
- Screen printing

**Automation**

Whether you chose to use existing robotics or invest in new equipment, Taylor Communications will deliver a custom automation solution for your specific label application, including design, programming, installation and after-sale support.

**Put the Taylor Communications IML Advantage to Work for You**

Taylor Communications offers the industry’s only comprehensive program to help manufacturers reduce the total cost of ownership of printed parts, consolidate suppliers, assure agency compliance and increase productivity. We understand the manufacturing environment. Our dedicated team will aid you in the selection of the proper product for your specific application. We will work with your creative department to ensure all brand guidelines are met. Our experts will assist you in implementing the IML automation process and train your associates. We will be there each step of the way.

**Flexible, compliant, and sustainable**

- Works with all thermoplastics and rubber
- Grafilm is ideal for injection, blow and compression molding
- Saves time – quickly change from one decoration to another
- Complies with all child safety regulations and is UL-certified
- Is recyclable and energy saving

**Cost effective**

- Competitively priced
- Grafilm can reduce cycle time over other IML options
- Complements automation for greater throughput with less scrap
- Saves floor space and resources
- Eliminates secondary labeling operations
- Re-deploys employees to core business competencies

**Superior graphics, ideal placement and unsurpassed durability**

- Best print resolutions available – 200+ line screen, full color images
- UV-resistant ink
- Conforms to irregular surfaces
- Permanently bonds to the product
- Lasts the life of the product
- Prevents failure under adverse conditions—severe natural elements, harsh chemicals or overt attempts to remove the labels

*Taylor Communications’ unique In-Mold Labeling product, their technicians and on-site assistance helped us deliver a solution that far exceeded the expectations of a very important customer.*

John Meyer, Manager
Marketing & Business Development, Bemis Manufacturing
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Grafilm®/Grafilm® Ultra | Robotics and Automation | 7-Axis Mobile Robot

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