

# COLOR CHART

LASER | ROTARY | PRINT



**INNOVATIVE PLASTICS**  
INCORPORATED®

# ICON LEGEND

LOOK FOR THESE KEY ICONS THROUGHOUT YOUR IPI COLOR CHART, INDICATING THE FEATURES OF SPECIFIC IPI MATERIALS:



## **LASERABLE (LASER ENGRAVING)**

Acrylic core materials with thin cap surfaces that can be easily engraved with minimal wattage at increased speeds. ABS materials are not recommended for lasering applications.



## **ROTARY ENGRAVABLE/ ROTATING CARBIDE ENGRAVING**

This process is suitable for most commercial and industrial work. Unlike diamond-drag, rotary engraving is the only means of engraving plastic materials with controlled depth.



## **FRONT ENGRAVABLE**

The cap layer is engraved or lasered through to expose the core layer, thus providing a color contrast between cap and core.



## **REVERSE ENGRAVABLE**

Clear cap with microsurface or laminated core, machined from the reverse or backside of the material. Back-painting is a popular method of achieving contrast in color.



## **ADA/TACTILE**

Matte, non-glare acrylic sheet materials specially designed to comply with the Americans with Disabilities Act (ADA) Federal regulations. Braille-engraversable, routable sheets come in a wide variety of color combinations.



## **UV-LED PRINTABLE**

Acrylic sheet materials developed to be print receptive with most UV-LED printing inks and light sources.



## **INDOOR USE**

Signage produced for indoor applications where UV stability and weather-ability are not required.



## **OUTDOOR WEATHERABLE**

The ability of plastic engraving material to withstand exterior weathering conditions. Although no specific life can be designated to any product, IPI recognizes that under normal conditions the material will not break down physically.



## **UV STABLE**

The ability of the engraving material to maintain its colorfastness in UV conditions for a limited period of time.

### **FINISHES:**

□ Matte   ■ Gloss   ○ Textured   ● Brushed

# ROTARY ENGRAVING TIPS

IPI recommends that when getting started with a rotary engraving project the operator first ensures that the machine is set up properly and the IPI engraving sheet material is secured to the engraving table using a clamp, "sticky" table mat or double sided tape.

Using the proper tool for the type of engraving you choose is very important. IPI recommends using a FLX (flexible) type engraving bit. Bit sizes ranging from .005" to .125" cutting widths work perfectly with IPI products. Cutters with different angles such as 30 degree, 45 degree, parallel profile (produces edges that are straight up and down) and bevellers also produce great results.

# LASER ENGRAVING TIPS

The key to laser engraving 2-ply or 3-ply laser plastic is to use a material that allows the laser to pass as quickly and with as little power as possible across the surface color and still produce a clean, bright marking. IPI laser plastics are composed of materials which are "laser friendly," thereby providing the ability to engrave with virtually no smoke residue, no yellowing of core and no melting of graphics in most instances.

Below are trouble-shooting tips to help prepare you for what to expect from our laser engraving experience with IPI materials:

Each laser machine (even within one brand) has its own "identity." This identity consists of actual wattage output (i.e. a 40-watt laser may actually output 35, 45 or more watts), optics focus and cleanliness (a strict cleaning schedule must be adhered to) and the type of exhaust system for pulling away smoke residue. Because of these variables, suggested laser settings are merely starting points and need to be fine-tuned based on your machine's identity and some other factors.

IPI materials are engineered for clear, bright laser marking in one pass when fine-tuned with the proper settings, however, the type of graphics and choice of color will also affect the settings and adjustments may have to be made.

A fine-line logo or graphic will use different settings than a bold, large one. The larger and bolder the graphic, the more important are proper focus, clean optics and the use of a standard resolution lens (to provide a wider beam to properly clean out the color surface). It may be necessary to increase the DPI (dots per inch) and/or PPI (pulses per inch) and/or even do a second pass at a lower power setting (around 20%)-- all depending on the size and boldness of your graphics. Sometimes laser engraving might not be the best way to accomplish your goal; rotary engraving may be the more suitable option.

Color can also affect your settings. Some colors (i.e., red, blue) are packed more heavily with pigment and may be, depending on the size and boldness of your graphics, harder to clean out. The suggestions above should be helpful.

# ROTARY ENGRAVING

## FIRST SURFACE ROTARY

IPI helped pioneer the engravable plastics industry by offering products in vivid primaries, rich woods, classic stones, brilliant metallics and electrifying colors in front and reverse engravable options for award, signage and other applications. Available in 2' X 4' sheets, both options are labeled to indicate whether they are engineered for indoor or outdoor weatherable and UV-stable use.

**Material:** Micro surfaced ABS

**Sheet Size:** 24 1/8" x 48 3/4" | 613mm x 1238mm

**Thickness:** 1/16" | 1.6mm (Custom thicknesses available)

**Usage:** Interior signage, personal identification

**Cutter:** Rotary - .005" | 0.127mm engraving depth


**Fabrication:** Saws, drills, heat bendable

**Other features:** Bonds, hot stamps, silkscreens, permits fine detail engraving

**Finishes:** ☐ Matte    ☒ Gloss    ☐ Textured    ☒ Brushed


### FIRST SURFACE ROTARY HARDWEAR METALLIC

Brushed Gold/Wineberry




G-409 1/16" ☒

Brushed Gold/Nile Green




G-408 1/16" ☒

Brushed Gold/Black




H-390M 1/16" ☐  
H-390G 1/16" ☒

Radiant Gold/Black




H-394M 1/16" ☐  
H-394G 1/16" ☒

Brushed Silver/Atlantis Blue




G-412 1/16" ☒

Brushed Aluminum/Black



H-391M 1/16" ☐  
H-391G 1/16" ☒


Radiant Silver/Black



H-395G 1/16" ☒


### FIRST SURFACE ROTARY HIGH TECH METALS

Brushed Aluminum/Atlantis Blue




M-96 1/16" ☒

Brushed Aluminum/Black




M-91 1/16" ☒

Smooth Silver/Black




M-93 1/16" ☒

Radiant Silver/Black




M-95 1/16" ☒

Mirror Silver/Black




M-98 1/16" ☒

Chrome/Black




M-97 1/16" ☒

Brushed Gold/Black




M-90 1/16" ☒

Smooth Gold/Black




M-92 1/16" ☒

Mirror Gold/Black



M-99 1/16" ☒

Radiant Gold/Black



M-94 1/16" ☒

LEGEND:



Laserable



Rotary Engravable



Front Engravable

## FIRST SURFACE ROTARY | EURO COLORS



Plum/White



EM-47 1/16" □

Pink Ice/Wineberry



PM-78 1/16" □

Mint Ice/Nile Green



PM-76 1/16" □

Teal/White



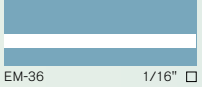
EM-42 1/16" □

Jade/White



EM-40 1/16" □

Wedgewood/White



EM-36 1/16" □

Shadow Blue/White



EM-39 1/16" □

Slate/White



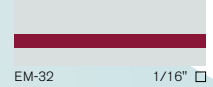
EM-37 1/16" □

Pumice/Black



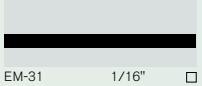
EM-30 1/16" □

Pewter/Wineberry



EM-32 1/16" □

Pewter/Black



EM-31 1/16" □

Gray Flannel/White



EM-33 1/16" □

## FIRST SURFACE ROTARY THE TRADITIONAL SERIES



Spectrum Red/White



TM-03 1/16" □

Burgundy/White



TM-12 1/16" □

Rust/White



TM-11 1/16" □

Spectrum Orange/White



TM-08 1/16" □

Spectrum Yellow/Black



TM-06 1/16" □

Spectrum Green/White



TM-05 1/16" □

Pine Green/White



TM-14 1/16" □

Spectrum Blue/White



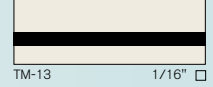
TM-04 1/16" □

Navy Blue/White



TM-09 1/16" □

Almond/Black



TM-13 1/16" □

White/Red



TM-16 1/16" □

White/Wineberry



TM-18 1/16" □

White/Apple Green



TM-19 1/16" □

White/Blue



TM-17 1/16" □

Snow White/Black



TM-02 1/16" □

Gray/White



TM-10 1/16" □

Dark Brown/White



TM-07 1/16" □

Chocolate Brown/White



TM-15 1/16" □

Black/White



TM-01 1/16" □

## VECTOR CUTTING TIP

During vector cutting, as compared to laser/raster engraving, the power is increased and speed decreased considerably. The thicker the material, the slower the cutting and more need for adjustments to keep smoke residue and melting to a minimum. The LASERTHINS and GOLD COAST .030" series by IPI are ideal for vector cutting faster and cleaner than any other laser engraving plastics.

## VECTOR CUTTING TIP

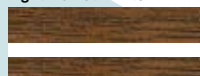
Always remove the pre-applied protective masking before vector cutting or engraving. The masking may melt and trap smoke or adhesive residue underneath.

For best results when vector cutting, always elevate the plastic 1/8" to 1/4" off the laser table to allow your exhaust system to properly pull smoke from underneath the plastic. Focus the laser before starting each new sheet of plastic.

## FIRST SURFACE ROTARY | WOOD



Light Walnut/White



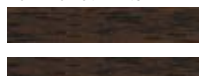
WM-80 1/16" □

Medium Walnut/White



WM-81 1/16" □  
WG-81 1/16" ■

Dark Walnut/White



WM-82 1/16" □  
WG-82 1/16" ■

Mahogany/White



WG-86 1/16" ■

Burlwood/White



WG-85 1/16" ■

## FIRST SURFACE ROTARY | STONES



Wild Cranberry  
Marble/Bone White



SG-213 1/16" ■

Wild Cranberry  
Marble/Pewter



SG-212 1/16" ■

Verde Green  
Marble/Bone White



SM-204 1/16" □  
SG-204 1/16" ■

Verde Green Gold  
Fleck Marble/Bone White



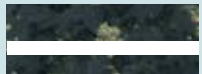
SG-204F 1/16" ■

Deep Charcoal  
Marble/Bone White



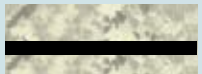
SM-202 1/16" □  
SG-202 1/16" ■

Deep Charcoal Gold Fleck  
Marble/Bone White



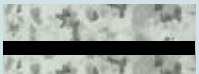
SG-202F 1/16" ■

Glacier Blush  
Marble/Black



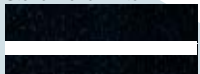
SM-207 1/16" □  
SG-207 1/16" ■

Platinum  
Marble/Black



SM-200 1/16" □  
SG-200 1/16" ■

Ebony Polished  
Stone/Bone White



SG-209 1/16" ■

## FIRST SURFACE ROTARY REFLECTORS/NIGHTLITES

\*\*PRODUCTS NOTED WITH ASTERISKS ARE AVAILABLE ONLY IN 24" X 24" SHEETS



Reflector Red/White



RF-1103 1/16" ■

Reflector Orange/Black



RF-1108 1/16" ■

Reflector Yellow/Black



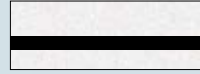
RF-1106 1/16" ■

Reflector Blue/White



RF-1104 1/16" ■

Reflector White/Black



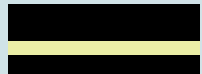
RF-1102 1/16" ■

Spectrum Red/Glow\*\*



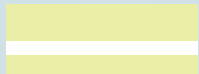
NT-1003 1/16" □

Black/Glow\*\*



NT-1001 1/16" □

Glow/Clear\*\*



NTC-100M 1/16" □



## .005 ADVANTAGE ROTARY

IPI's .005 Advantage Rotary Series is the ultimate choice for front or reverse rotary engravable products. With a .005"-thick engraving layer, .005 Advantage Rotary provides unmatched durability and fine-line rotary engraving capabilities.

**Material:** .005 impact acrylic

**Sheet Size:** 24 1/8" x 48 3/4" | 613mm x 1238mm

**Thickness:** 1/16" | 1.6mm (Custom thicknesses available)

**Usage:** Interior/exterior signage, personal identification

**Cutter:** Laser, rotary - .007" | 0.179mm engraving depth

**Fabrication:** Saws, drills, heat bendable

**Other features:** Bonds, hot stamps, silkscreens, uv-stable, permits fine detail engraving

**Finishes:** □ Matte ■ Gloss ○ Textured ● Brushed

## .005 ADVANTAGE ROTARY BRUSHED SATINS



Red/White



LSI-503

1/16" ●

Burgundy/White



LSI-512

1/16" ●

Yellow/Black



LSI-506

1/16" ●

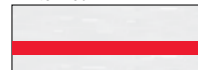
Pine Green/White



LSI-514

1/16" ●

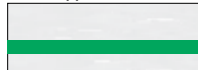
White/Red



LSI-516

1/16" ●

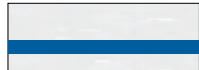
White/Apple Green



LSI-519

1/16" ●

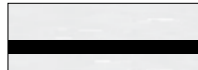
White/Blue



LSI-517

1/16" ●

White/Black



LSI-502

1/16" ●

Bright White/Black



LSI-502P

1/16" ●

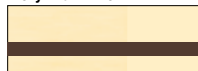
Silver Gray/Black



LSI-591

1/16" ●

Ivory/Dark Brown



LSI-522

1/16" ●

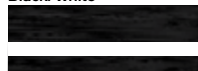
Dark Brown/White



LSI-507

1/16" ●

Black/White



LSI-501

1/16" ●

## VECTOR CUTTING TIP

IPI laser materials were developed to allow for vector cutting without protective transfer tape (vinyl lettering type tape), especially the .030" gauge. The use of transfer tape may be necessary to keep smoke residue off your sheets. On 1/8" or thicker material you may even want to try two passes at faster speeds, instead of transfer tape. If transfer tape is used when vector cutting, apply it to both sides of the plastic and lightly spray the tape with water before cutting.

Laser engraving and cutting is on the horizon of a new age of creativity in design, graphics, detail and ideas. It is not an exact science but, through experimentation, imagination and the continued development of laser engraving materials by Innovative Plastics, your journey should be very exciting.

# LASER & ROTARY ENGRAVING

## ADA SIGN-MAKING

IPI's ADA Sign-Making matte finished sheet material is compliant with the American Disabilities Act (ADA) federal regulations. Our wide range of colorful ADA-compliant material is Braille-engravable and routable. Available in 2'X4' sheets, the ADA Sign-Making Series is outdoor weatherable and UV-stable.

**Material:** Single-Ply modified acrylic for tactile applications.

**Sheet Size:** 24 1/8" x 48 3/4" | 613mm x 1238mm

**Thickness:** 1/32" | .8mm, 1/16" | 1.6mm and 1/8" | 3.2mm (Custom thicknesses available)

**Usage:** ADA compliant signage, interior/exterior signage, personal identification

**Cutter:** Laser, rotary (Cutting 1/32" Tactile Letters- 1/4" round & .020" tip at 20°-25° angle)

**Fabrication:** Saws, drills, heat bendable











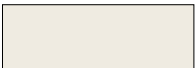



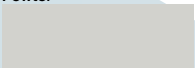




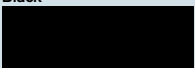

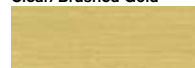
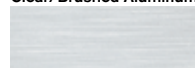
**Other features:** Bonds, hot stamps, silkscreens, uv-stable

**Finishes:** ☐ Matte ☒ Gloss ☐ Textured ☒ Brushed

## ADA SIGN-MAKING

**\*\*ITEM CODES ENDING IN "AMP" INCLUDE ADHESIVE.**



<b>Red</b>  ADA-03-12 1/32" <input type="checkbox"/> ADA-03-12AMP 1/32" <input type="checkbox"/> ADA-03 1/16" <input type="checkbox"/>	<b>Wineberry</b>  ADA-12-12 1/32" <input type="checkbox"/> ADA-12-12AMP 1/32" <input type="checkbox"/> ADA-12 1/16" <input type="checkbox"/>	<b>Orange</b>  ADA-08-12 1/32" <input type="checkbox"/> ADA-08-12AMP 1/32" <input type="checkbox"/> ADA-08 1/16" <input type="checkbox"/>	<b>Yellow</b>  ADA-06-12 1/32" <input type="checkbox"/> ADA-06-12AMP 1/32" <input type="checkbox"/> ADA-06 1/16" <input type="checkbox"/>	<b>Bright Green</b>  ADA-05-12 1/32" <input type="checkbox"/> ADA-05-12AMP 1/32" <input type="checkbox"/> ADA-05 1/16" <input type="checkbox"/>
<b>Pine Green</b>  ADA-14-12 1/32" <input type="checkbox"/> ADA-14-12AMP 1/32" <input type="checkbox"/> ADA-14 1/16" <input type="checkbox"/>	<b>Teal</b>  ADA-42-12 1/32" <input type="checkbox"/> ADA-42-12AMP 1/32" <input type="checkbox"/> ADA-42 1/16" <input type="checkbox"/>	<b>Blue</b>  ADA-04-12 1/32" <input type="checkbox"/> ADA-04-12AMP 1/32" <input type="checkbox"/> ADA-04 1/16" <input type="checkbox"/>	<b>Blueberry</b>  ADA-27-12 1/32" <input type="checkbox"/> ADA-27-12AMP 1/32" <input type="checkbox"/> ADA-27 1/16" <input type="checkbox"/>	<b>Navy Blue</b>  ADA-09-12 1/32" <input type="checkbox"/> ADA-09-12AMP 1/32" <input type="checkbox"/> ADA-09 1/16" <input type="checkbox"/>
<b>Ivory</b>  ADA-22-12 1/32" <input type="checkbox"/> ADA-22-12AMP 1/32" <input type="checkbox"/> ADA-22 1/16" <input type="checkbox"/>	<b>Almond</b>  ADA-53-12 1/32" <input type="checkbox"/> ADA-53-12AMP 1/32" <input type="checkbox"/> ADA-53 1/16" <input type="checkbox"/>	<b>Pumice</b>  ADA-58-12 1/32" <input type="checkbox"/> ADA-58-12AMP 1/32" <input type="checkbox"/> ADA-58 1/16" <input type="checkbox"/>	<b>White</b>  ADA-02-12 1/32" <input type="checkbox"/> ADA-02-12AMP 1/32" <input type="checkbox"/> ADA-02 1/16" <input type="checkbox"/>	<b>Bright White</b>  ADA-02P-12 1/32" <input type="checkbox"/> ADA-02P-12AMP 1/32" <input type="checkbox"/> ADA-02P 1/16" <input type="checkbox"/>
<b>Pewter</b>  ADA-31-12 1/32" <input type="checkbox"/> ADA-31-12AMP 1/32" <input type="checkbox"/> ADA-31 1/16" <input type="checkbox"/>	<b>Dark Gray</b>  ADA-10-12 1/32" <input type="checkbox"/> ADA-10-12AMP 1/32" <input type="checkbox"/> ADA-10 1/16" <input type="checkbox"/>	<b>Spice</b>  ADA-23-12 1/32" <input type="checkbox"/> ADA-23-12AMP 1/32" <input type="checkbox"/> ADA-23 1/16" <input type="checkbox"/>	<b>Taupe</b>  ADA-15-12 1/32" <input type="checkbox"/> ADA-15-12AMP 1/32" <input type="checkbox"/> ADA-15 1/16" <input type="checkbox"/>	<b>Dark Chocolate</b>  ADA-07-12 1/32" <input type="checkbox"/> ADA-07-12AMP 1/32" <input type="checkbox"/> ADA-07 1/16" <input type="checkbox"/>
<b>Black</b>  ADA-01-12 1/32" <input type="checkbox"/> ADA-01-12AMP 1/32" <input type="checkbox"/> ADA-01 1/16" <input type="checkbox"/>	<b>Gold</b>  ADA-92-12 1/32" <input type="checkbox"/> ADA-92-12AMP 1/32" <input type="checkbox"/> ADA-92 1/16" <input type="checkbox"/>	<b>Silver</b>  ADA-93-12 1/32" <input type="checkbox"/> ADA-93-12AMP 1/32" <input type="checkbox"/> ADA-93 1/16" <input type="checkbox"/>	<b>Clear/Brushed Gold</b>  LZR-990M-12 1/32" <input type="checkbox"/> LZR-990M-12AMP 1/32" <input type="checkbox"/> LZR-990M 1/16" <input type="checkbox"/>	<b>Clear/Brushed Aluminum</b>  LZR-991M-12 1/32" <input type="checkbox"/> LZR-991M-12AMP 1/32" <input type="checkbox"/> LZR-991M 1/16" <input type="checkbox"/>

## ACRYFIL PAINT FILL BY IPI

Acryfil is a specially formulated polymer acrylic developed for use with IPI's reverse engraving materials. Acryfil applies smoothly and easily, is self-sealing, nontoxic and water-based. Mix Acryfil paints to create custom colors for demanding projects. Acryfil is available in Primary, Designer and OSHA Safety paint kits. Ask your distributor for details.



## VECTOR CUTTING TIP

All IPI Laser Engraving Materials can also be rotary engraved beautifully.

IPI Laser Engraving Materials were developed to be laser engraved or laser cut with only one pass when used with the proper settings of power, speed, dots per inch, and pulses per inch. Please keep in mind that no two laser machines are identical due to such variables as power surges, cleaning, maintenance, the optics focus, settings and exhaust system.

## LASERABLES

IPI's Laserables Series is the ultimate choice for a variety of colorful front and reverse-engravable products. Laserables have the most durable microsurface in the industry, and are UV-stable for exterior applications. The Laserables product line features an easy-to-laser .001" thick cap surface for clean, bright laser engraving of interior and exterior signage, recognition or identification projects.

<b>Material:</b>	Micro-surfaced impact acrylic for front engraving
<b>Sheet Size:</b>	24 1/8" x 48 3/4"   613mm x 1238mm
<b>Thickness:</b>	1/16"   1.6mm (Custom thicknesses available)
<b>Usage:</b>	Interior/exterior signage, personal identification
<b>Cutter:</b>	Laser, Rotary - .003"   .08mm engraving depth
<b>Fabrication:</b>	Saws, drills, heat bendable
<b>Other features:</b>	Bonds, hot stamps, silkscreens, uv-stable, permits fine detail engraving
<b>Notes:</b>	All laserable products are available in matte, gloss or translucent versions for backlighting applications.
<b>Finishes:</b>	<input type="checkbox"/> Matte <input checked="" type="checkbox"/> Gloss <input type="checkbox"/> Textured <input checked="" type="checkbox"/> Brushed

## LASERABLES | METALLIC BRUSH



**\*\*WHEN APPLYING PAINTFILL ON IPI REVERSE ENGRAVABLE PRODUCTS- USE ACRYLIC BASED PAINT ONLY.**

### Clear/Brushed Gold



LZR-990M-12	1/32" <input type="checkbox"/>
LZR-990G-12	1/32" <input checked="" type="checkbox"/>
LZR-990M	1/16" <input type="checkbox"/>
LZR-990G	1/16" <input checked="" type="checkbox"/>
LZR-990M-42	1/8" <input type="checkbox"/>
LZR-990G-42	1/8" <input checked="" type="checkbox"/>

### Clear/Brushed Aluminum



LZR-991M-12	1/32" <input type="checkbox"/>
LZR-991G-12	1/32" <input checked="" type="checkbox"/>
LZR-991M	1/16" <input type="checkbox"/>
LZR-991G	1/16" <input checked="" type="checkbox"/>
LZR-991M-42	1/8" <input type="checkbox"/>
LZR-991G-42	1/8" <input checked="" type="checkbox"/>

## LASERABLES | GEMSTONES



**\*\*AVAILABLE ONLY IN 12" x 24" SHEETS.**

### Clear/Sienna Red



LZR-29218 1/16" ☒

### Clear/Tawny Port



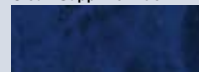
LZR-29213 1/16" ☒

### Clear/Emerald Green



LZR-29204 1/16" ☒

### Clear/Sapphire Blue



LZR-29239 1/16" ☒

### Clear/Purple Haze



LZR-29250 1/16" ☒

### Clear/Black Opal

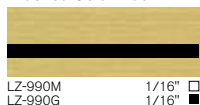


LZR-29202 1/16" ☒

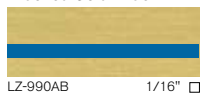
## LASERABLES | HEAVY METALS



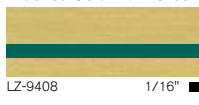
Brushed Gold/Black



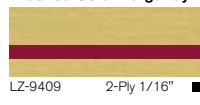
Brushed Gold/Blue



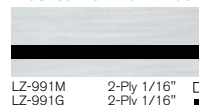
Brushed Gold/Dark Green



Brushed Gold/Burgundy



Brushed Aluminum/Black



Brushed Aluminum/Blue



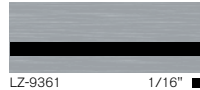
Radiant Gold/Black



Nickel Brush/Black



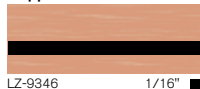
Steel Blue Brush/Black



Brushed Brass/Black



Copper Brush/Black



Tahitian Bronze/Black



Grand Illusion/White



## LASERABLES | ATTENTION GRABBERS

\*\*THESE FLOURESCENT COLORS CANNOT BE ACCURATELY REPRODUCED BY 4-COLOR PROCESS PRINTING.



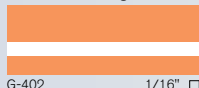
Outrageous Pink/White



Outrageous Pink/Black



Awesome Orange/White



Awesome Orange/Black



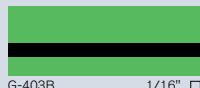
Terminal Yellow/Black



Radical Green/White



Radical Green/Black



Black/Terminal Yellow



Black/Awesome Orange



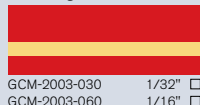
Black/Radical Green



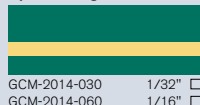
## LASERABLES | GOLD COAST



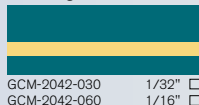
Red/Bright Gold



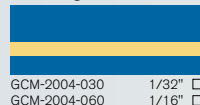
Spruce/Bright Gold



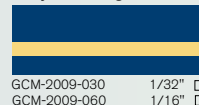
Teal/Bright Gold



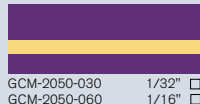
Blue/Bright Gold



Navy Blue/Bright Gold



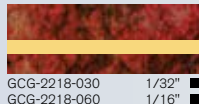
Purple Haze/Bright Gold



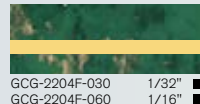
Black/Bright Gold



Rustico Granite/Bright Gold



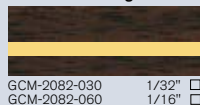
Verde Green Gold Fleck Marble/Bright Gold



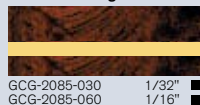
Deep Charcoal Gold Fleck Marble/Bright Gold



Dark Walnut/Bright Gold



Burlwood/Bright Gold





## LASERABLES | REVERSE



\*\*WHEN APPLYING PAINTFILL ON IPI REVERSE ENGRAVABLE PRODUCTS- USE ACRYLIC BASED PAINT ONLY.

Clear/Laser Red



LZR-903

1/16" □

Clear/Plum



LZR-947

1/16" □

Clear/Laser Yellow



LZR-906

1/16" □

Clear/Jade



LZR-940

1/16" □

Clear/Laser Blue



LZR-904

1/16" □

Clear/Navy Blue



LZR-909

1/16" □

Clear/Pumice



LZR-930

1/16" □

Clear/Gray Flannel



LZR-933

1/16" □

Clear/Laser Black



LZR-901

1/16" □

LZR-901G

1/16" ■

Clear/Smooth Gold



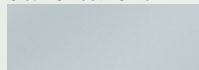
LZR-992RM

1/16" □

LZR-992R

1/16" ■

Clear/Smooth Silver



LZR-993RM

1/16" □

LZR-993R

1/16" ■

Clear/Laser White



LZR-902

1/16" □

LZR-902G

1/16" ■

## LASERABLES | EXTERIOR



Laser Red/White



LZ-903

1/16" □

Burgundy/White



LZ-912

1/16" □

Plum/White



LZ-947

1/16" □

Laser Yellow/Black



LZ-906

1/16" □

Laser Green/White



LZ-905

1/16" □

Pine Green/White



LZ-914

1/16" □

Teal/White



LZ-942

1/16" □

Laser Blue/White



LZ-904

1/16" □

Navy Blue/White



LZ-909

1/16" □

Purple Haze/White



LZ-950

1/16" □

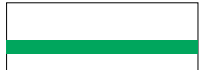
Laser White/Red



LZ-916

1/16" □

Laser White/Green



LZ-919

1/16" □

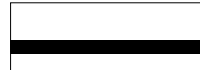
Laser White/Blue



LZ-917

1/16" □

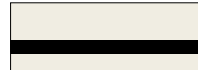
Laser White/Black



LZ-902

1/16" □

Pumice/Black



LZ-930

1/16" □

Gray Flannel/White



LZ-933

1/16" □

Dark Brown/White



LZ-907

1/16" □

Laser Black/White



LZ-901

1/16" □

Platinum Marble/Black



LZ-9200M

1/16" □

LZ-9200

1/16" ■

Rustico Granite/White



LZ-9218M

1/16" □

LZ-9218

1/16" ■

Wild Cranberry



LZ-9213M

1/16" □

LZ-9213

1/16" ■

Verde Green Marble/White



LZ-9204M

1/16" □

LZ-9204

1/16" ■

Verde Green



LZ-9204F

1/16" ■

Deep Charcoal



LZ-9202M

1/16" □

LZ-9202

1/16" ■

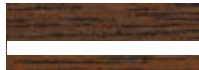
Deep Charcoal



LZ-9202F

1/16" ■

Medium Walnut/White



LZ-981

1/16" □

Smooth Gold/Black



LZ-992M

1/16" □

LZ-992

1/16" ■

Smooth Silver/Black



LZ-993M

1/16" □

LZ-993

1/16" ■

# LASER & ROTARY ENGRAVING

## LASER ENGRAVERS ADVANTAGE

Designed to meet the needs of today's laser engraver looking for an economical way to produce laser projects. Laser Engraver Advantage Series products have a .001"-thick top color surface for clean laser engraving of interior and exterior signage, recognition or identification projects. Laser Engravers Advantage Peel 'N' Stick is available with and without adhesive, perfect for round or curved trophy awards and projects.

- Material:** Laminated Impact Acrylic
- Sheet Size:** 24 1/8" x 48 3/4" | 613mm x 1238mm
- Thickness:** .058" | 1.5mm (Custom thicknesses available), Peel 'N' Stick - .022" | .6mm
- Usage:** Interior/exterior signage, control panels, legend plates
- Cutter:** Laser, Rotary - .003" | .08mm engraving depth
- Fabrication:** Saws, drills, heat bendable
- Other features:** Bonds, hot stamps, silkscreens, uv-stable, permits fine detail engraving
- Finishes:** ☐ Matte ☒ Gloss ☐ Textured ☒ Brushed

## LASER ENGRAVERS ADVANTAGE



\*\*PRODUCTS NOTED WITH ASTERISKS ARE NOT RECOMMENDED FOR ENVIRONMENTS WHERE UV STABILITY IS REQUIRED.

<b>Matte Red/White</b>  LZ-2903 .058" <input type="checkbox"/>	<b>Matte Burgundy/White</b>  LZ-2912 .058" <input type="checkbox"/>	<b>Matte Yellow/Black</b>  LZ-2906 .058" <input type="checkbox"/>	<b>Matte Green/White</b>  LZ-2905 .058" <input type="checkbox"/>	<b>Matte Pine Green/White</b>  LZ-2914 .058" <input type="checkbox"/>
<b>Matte Blue/White</b>  LZ-2904 .058" <input type="checkbox"/>	<b>Matte Navy Blue/White</b>  LZ-2909 .058" <input type="checkbox"/>	<b>Matte White/Red</b>  LZ-2916 .058" <input type="checkbox"/>	<b>Matte White/Blue</b>  LZ-2917 .058" <input type="checkbox"/>	<b>Matte White/Black</b>  LZ-2902 .058" <input type="checkbox"/>
<b>Matte Black/White</b>  LZ-2901 .058" <input type="checkbox"/>	<b>Brushed Aluminum/Black**</b>  LZ-2991 .058" <input checked="" type="checkbox"/>	<b>Brushed Gold/Black**</b>  LZ-2990 .058" <input checked="" type="checkbox"/>	<b>Matte Walnut/White**</b>  LZ-2981 .058" <input type="checkbox"/>	

## LASER ENGRAVERS ADVANTAGE PEEL 'N' STICK



\*\*AVAILABLE WITH OR WITHOUT ADHESIVE. TO ORDER WITHOUT ADHESIVE REMOVE "ADH" FROM THE ITEM CODE.

<b>Black/Gold</b>  LZ-7551-12ADH .022" <input type="checkbox"/> LZ-7550-12ADH .022" <input checked="" type="checkbox"/>	<b>Brushed Gold/Black</b>  LZ-7548-12ADH .022" <input checked="" type="checkbox"/>	<b>Brushed Aluminum/Black</b>  LZ-7552-12ADH .022" <input checked="" type="checkbox"/>	<b>Brushed Amber Bronze/Black</b>  LZ-7562-12ADH .022" <input checked="" type="checkbox"/>
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# LASER TUFF & LASER TUFFTEX


IPI's Laser Tuff and Laser TuffTex are the first laser materials with a skin that's tough enough for even the most demanding tasks! Both products are 100% acrylic, with a matte surface that features enhanced durability, wear, impact and fade resistance. Laser TuffTex's textured surface is scratch resistant and allows for detailed engraving. Durable and resistant to fingerprints, Laser TuffTex works well for industrial environments and high traffic areas. Available in 2' X 4' sheets, both products are outdoor weatherable and UV-stable.

- Material:** Laminated Impact Acrylic
- Sheet Size:** 24 1/8" x 48 3/4" | 613mm x 1238mm
- Thickness:** 1/16" | 1.6mm (Custom thicknesses available)
- Usage:** Interior/exterior signage, control panels, legend plates
- Cutter:** Laser, rotary - .007" | 0.18mm engraving depth
- Fabrication:** Saws, drills, heat bendable
- Other features:** Bonds, hot stamps, silkscreens, uv-stable, permits fine detail engraving
- Finishes:** ☐ Matte   ☒ Gloss   ☐ Textured   ☒ Brushed

## LASER TUFF




Red/White




LZ-903MK 1/16" ☐

Yellow/Black




LZ-906MK 1/16" ☐

Pine Green/White




LZ-914MK 1/16" ☐

Blue/White




LZ-904MK 1/16" ☐

White/Black




LZ-902MK 1/16" ☐

Black/White




LZ-901MK 1/16" ☐

Gloss Brushed Brass/Black



LZ-1000GK 1/16" ☒

Gloss Brushed Silver/Black




LZ-1100GK 1/16" ☒

## LASER TUFFTEX

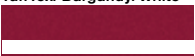


TuffTex/Red/White




LP-803TK 1/16" ☐

TuffTex/Burgundy/White




LP-812TK 1/16" ☐

TuffTex/Yellow/Black




LP-806TK 1/16" ☐

TuffTex/Pine Green/White



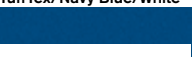
LP-814TK 1/16" ☐

TuffTex/Blue/White



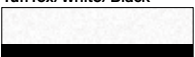
LP-804TK 1/16" ☐

TuffTex/Navy Blue/White



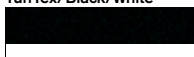
LP-809TK 1/16" ☐

TuffTex/White/Black



LP-802TK 1/16" ☐

TuffTex/Black/White



LP-801TK 1/16" ☐



## LASER THINS & LASER ULTRA THINS

IPI's Laser Thins and Laser Ultra Thins are designed to meet the needs of today's laser engraver. They are extremely durable and feature heat-, solvent- and abrasion-resistant attributes. Both products are extremely flexible, self-adhesive and easily accommodate curved surfaces and adhere securely to a wide range of materials.

<b>Material:</b>	Micro-surfaced impact acrylic for front engraving
<b>Sheet Size:</b>	24 1/8" x 48 3/4"   613mm x 1238mm
<b>Thickness:</b>	Laser Thins - .026"   .7mm Laser Ultra Thins - .004"   .1mm (Custom thicknesses available)
<b>Usage:</b>	Interior/exterior signage, personal identification
<b>Cutter:</b>	Laser, rotary - .003"   .076mm engraving depth
<b>Fabrication:</b>	Saws, drills, heat bendable
<b>Other features:</b>	Bonds, hot stamps, silkscreens, uv-stable, permits fine detail engraving
<b>Finishes:</b>	<input type="checkbox"/> Matte <input checked="" type="checkbox"/> Gloss <input type="checkbox"/> Textured <input checked="" type="checkbox"/> Brushed

### LASER THINS | FRONT ENGRAVABLE



Matte Red/White

LZ-903-12 .026" ☐

Matte Spruce/White

LZ-914-12 .026" ☐

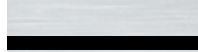
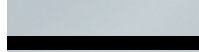
Matte Blue/White

LZ-904-12 .026" ☐

Matte White/Black

LZ-902-12 .026" ☐

Matte Black/White

LZ-901-12 .026" ☐Metallic  
Brushed Gold/BlackLZ-990-12 .026" ☒Metallic  
Brushed Aluminum/BlackLZ-991-12 .026" ☒Metallic (Mirror)  
Bright Gold/BlackLZ-999-12 .026" ☒Metallic (Mirror)  
Bright Silver/BlackLZ-998-12 .026" ☒Metallic  
Copper Brush/BlackLZ-9346-12 .026" ☒

### LASER THINS | REVERSE ENGRAVABLE



Clear Matte/Black

LZR-901-12 .026" ☐

Clear Matte/White

LZR-902-12 .026" ☐

Gloss Clear/Clear Matte

LCM-700G-12M .026" ☐

### LASER ULTRATHINS

\*\*AVAILABLE ONLY IN 12" x 24" SHEETS - PACKAGES OF 10



Yellow/Black

ULT-06 .004" ☐

White/Black

ULT-02 .004" ☐

White/Gold

ULT-60 .004" ☐

Black/White

ULT-01 .004" ☐

Black/Gold

ULT-99 .004" ☐

Brushed Gold/Black

ULT-90 .004" ☐

Smooth Gold/Black

ULT-92 .004" ☐

Brushed Bronze/Black

ULT-94 .004" ☐

Brushed Silver/Black

ULT-91 .004" ☐

Smooth Silver/Black

ULT-93 .004" ☐



## .005 ADVANTAGE

**IPI's .005 Advantage Rotary Series is the ultimate choice for front or reverse rotary engravable products. With a .005"-thick engraving layer, .005 Advantage Rotary provides unmatched durability and fine-line rotary engraving capabilities.**

**Material:** .005 impact acrylic

**Sheet Size:** 24 1/8" x 48 3/4" | 613mm x 1238mm

**Thickness:** 1/16" | 1.6mm (Custom thicknesses available)

**Usage:** Interior/exterior signage, personal identification

**Cutter:** Laser, rotary - .007" | 0.18mm engraving depth

**Fabrication:** Saws, drills, heat bendable

**Other features:** Bonds, hot stamps, silkscreens, uv-stable, permits fine detail engraving

**Finishes:** ☐ Matte ☒ Gloss ☐ Textured ☒ Brushed

## .005 ADVANTAGE THE EXTERIOR SERIES

**Red/White**

LME-603-5 1/16" ☐  
LGE-603-5 1/16" ☒

**Blue/White**

LME-604-5 1/16" ☐  
LGE-604-5 1/16" ☒

**White/Red**

LME-616-5 1/16" ☐  
LGE-616-5 1/16" ☒

**White/Black**

LME-602-5 1/16" ☐  
LGE-602-5 1/16" ☒

**Black/White**

LME-601-5 1/16" ☐  
LGE-601-5 1/16" ☒

## .005 ADVANTAGE | CRYSTALS

**Clear/Spectrum Red**

CM-103 1/16" ☐  
LCG-703 1/16" ☒

**Clear/Spectrum Yellow**

CM-106 1/16" ☐  
LCG-706 1/16" ☒

**Clear/Spectrum Green**

LCM-705 1/16" ☐  
LCG-705 1/16" ☒

**Clear/Spruce**

LCM-743 1/16" ☐  
LCG-743 1/16" ☒

**Clear/Slate**

CM-137 1/16" ☐

**Clear/Spectrum Blue**

CM-104 1/16" ☐  
LCG-704 1/16" ☒

**Clear/White**

CM-102 1/16" ☐  
LCG-702 1/16" ☒

**Clear/Pewter**

CM-131 1/16" ☐

**Clear/Gray Flannel**

CM-133 1/16" ☐

**Clear/Black**

CM-101 1/16" ☐  
LCG-701 1/16" ☒

**Clear/Smooth Gold**

CM-192 1/16" ☐  
CG-192 1/16" ☒

**Clear/Smooth Silver**

CM-193 1/16" ☐  
CG-193 1/16" ☒

**Clear Matte/Gloss Clear**

LCM-700G-12M 1/32"  
LCM-700G 1/16"  
LCM-700G-42 1/8"

815-477-0778

**INOPLAS.COM**

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THROUGH YOUR AUTHORIZED IPI DISTRIBUTOR.**