



# NEW PERSPECTIVES IN SIGN MATERIALS

Vivid primaries, delicate pastels, rich woods, classic stones, brilliant metallics, eye-catching opticals; front and reverse engravables — Innovative Plastics offers them all, in an exciting range of materials all designed for perfect rotary engraving.

## Interior

### THE TRADITIONAL SERIES – Primary Plus

A wide spectrum of the engraving industry's most popular colors, available in Matte finish. (Micro-satin or gloss available as custom only.)

Surface Color / Letter Color	Matte
Black / White	TM-01
Snow White / Black	TM-02
Spectrum Red / White	TM-03
Spectrum Blue / White	TM-04
Spectrum Green / White	TM-05
Spectrum Yellow / Black	TM-06
Dark Brown / White	TM-07
Spectrum Orange / White	TM-08
Navy Blue / White	TM-09
Gray / White	TM-10
Rust / White	TM-11
Burgundy / White	TM-12
Almond / Black	TM-13
Pine Green / White	TM-14
Chocolate Brown / White	TM-15
White / Red	TM-16
White / Blue	TM-17
White / Wineberry	TM-18
White / Apple Green	TM-19

### THE DESIGNER SERIES – Euro Colors

New and exciting colors ranging from subtle to elegant, chosen in accordance with emerging trends in today's design industry.

Surface Color / Letter Color	Matte
Pumice / Black	EM-30
Pewter / Black	EM-31
Pewter / Wineberry	EM-32
Gray Flannel / White	EM-33
Stone Blue / Black	EM-34
Stone Blue / White	EM-35
Wedgewood / White	EM-36
Slate / White	EM-37
Shadow Blue / White	EM-39
Jade / White	EM-40
Jade / Nile Green	EM-41
Teal / White	EM-42
Dusty Mauve / White	EM-45
Plum / White	EM-47
Plum / Pewter	EM-48
Amethyst / White	EM-50

### THE ISOCHROMATIC SERIES – Pastels

Soft, subtle colors with expertly matched cores to greatly expand your design horizons. Matte only.

Surface Color / Letter Color	Matte
Violet Ice / Atlantis Blue	PM-70
Apricot Ice / Nile Green	PM-79
Apricot Ice / Wineberry	PM-71
Chiffon Ice / Nile Green	PM-72
Chiffon Ice / Atlantis Blue	PM-73
Mint Ice / Nile Green	PM-76
Pink Ice / Atlantis Blue	PM-77
Pink Ice / Wineberry	PM-78

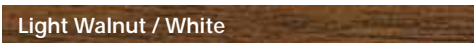
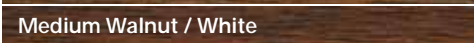
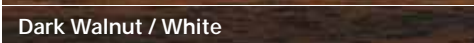





## THE ARCHITECTURAL SERIES – Stones

The classic beauty of nature's most durable stones, carefully recreated for a truly grand appearance.

Surface Color / Letter Color	Matte	Gloss
 Platinum Marble / Black	SM-200	SG-200
 Deep Charcoal Marble / Pewter	SM-201	SG-201
 Deep Charcoal Marble / Bone White	SM-202	SG-202
 Deep Char. Gold Fleck Marble / Bone White		SG-202F
 Verde Green Marble / Pewter	SM-203	SG-203
 Verde Green Marble / Bone White	SM-204	SG-204
 Verde Green Gold Fleck Marble / Bone White		SG-204F
 Mocha Marble / Bone White	SM-206	SG-206
 Glacier Blush Marble / Black	SM-207	SG-207
 Wild Cranberry Marble / Pewter		SG-212
 Wild Cranberry Marble / Bone White		SG-213
 Quicksilver Granite / White	SM-214	SG-214
 Quicksilver Granite / Green	SM-215	SG-215
 Shaded Spruce Granite / Bone White	SM-216	SG-216
 Shaded Spruce Granite / Pewter	SM-217	SG-217
 Rustico Granite / Bone White	SM-218	SG-218
 Black Onyx Granite / Bone White	SM-219	SG-219
 Black Onyx Granite / Pewter	SM-220	SG-220
 Ebony Polished Stone / Pewter		SG-208
 Ebony Polished Stone / Bone White		SG-209
 Dark Pearl Gray Polished Stone / Wineberry		SG-210A
 Dark Pearl Gray Polished Stone / Bone White		SG-211A



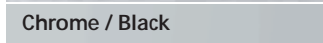

## THE CORPORATE SERIES – Woods

Realistic, high-fidelity wood patterns, to add a distinctive touch to even the most exclusive environments.

Surface Color / Letter Color	Matte	Gloss
 Light Walnut / White	WM-80	WG-80
 Medium Walnut / White	WM-81	WG-81
 Dark Walnut / White	WM-82	WG-82
 Rosewood / White	WM-83	WG-83
 Teak / White	WM-84	WG-84
 Burlwood / White		WG-85
 Mahogany / White		WG-86
 Light Oak / Dark Brown		WG-88


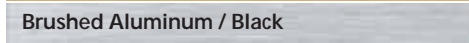
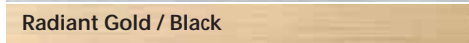
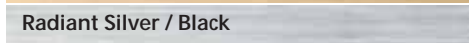

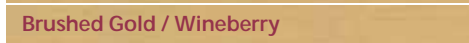
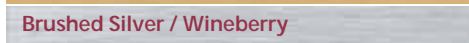


## THE HIGH-TECH SERIES – Metals

Dazzling metal in a variety of finishes, including Mirrored — a super glossy finish with no texture — that truly reflects elegance. Perfect for trophy and plaque engravers.

Surface Color / Letter Color	Brushed	Gloss	Radiant	Mirror
 Silver / Black		M-93	M-95	M-98
 Silver / Atlantis Blue				M-98AB
 Silver / Wineberry				M-98W
 Gold / Black	M-90	M-92	M-94	M-99
 Gold / Wineberry				M-99W
 Aluminum / Black	M-91			
 Aluminum / Atlantis Blue	M-96			
 Chrome / Black				M-97
 Chrome / Atlantis Blue				M-97AB
 Chrome / Wineberry				M-97W

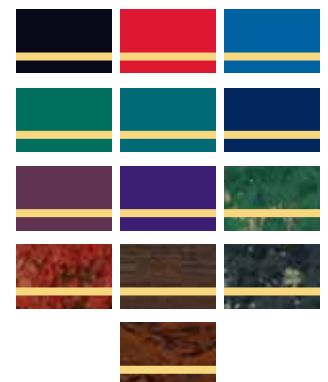
## THE HARDWEAR® SERIES – Metallic Plastics

Unsurpassed scratch-resistance and durability; excellent for hot-stamping and silkscreening. Engravable metallic plastic you don't have to handle with kid gloves!

Surface Color / Letter Color	Matte	Gloss
 Brushed Gold / Black	H-390M	H-390G
 Brushed Aluminum / Black	H-391M	H-391G
 Radiant Gold / Black	H-394M	H-394G
 Radiant Silver / Black		H-395G
 Brushed Gold / Nile Green		G-408
 Brushed Gold / Wineberry		G-409
 Brushed Silver / Wineberry		G-410
 Brushed Silver / Nile Green		G-411
 Brushed Silver / Atlantis Blue		G-412

## THE GOLD COAST® SERIES

IPI's most elegant engraving product recreates the look of black and/or colored brass in 13 lustrous hues, stone and wood patterns. Available on either a light, tough, bendable .030" or a UV-stable .060" bright brass gold modified acrylic core. Perfect for rotary or laser engraving. See THE LASER SHOP section for color selection and specifications.




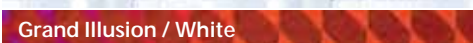
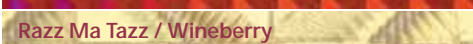
## THE ATTENTION GRABBER SERIES

Exciting, eye-catching materials for engraving, silk-screening, hot stamping or vinyl lettering. Perfect for warning, directional, product merchandising or specialty signage.

**ELECTRICS** Note: These fluorescent colors cannot be accurately reproduced by 4-color process printing. Matte finish.

Surface Color / Letter Color	Matte
	G-401
	G-401B
	G-402
	G-402B
	G-403
	G-403B
	G-404
	G-404B




**THE SPARKLERS** Gloss finish.

Surface Color / Letter Color	Gloss
	G-405
	G-406
	G-407

**THE ELITES** Glossy brushed finish.

Surface Color / Letter Color	Gloss
	G-408
	G-409
	G-410
	G-411
	G-412

**THE GRAPHIXS** Matte finish.



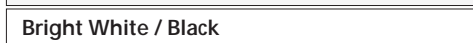







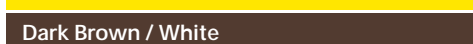





Surface Color / Letter Color	Matte
	G-414
	G-415
	G-416

**BLACKLITE SERIES** Note: These fluorescent colors cannot be accurately reproduced by 4-color process printing. Matte finish.

Surface Color / Letter Color	Matte
	BL-401
	BL-402
	BL-403
	BL-404
	BL-492
	BL-493

## THE .005 ADVANTAGE – Brushed Satins

IPI's popular lustrous satin look, with the .005 advantage for greatly improved fine-line engraving. Cutters last longer, work looks better, and fine detail can be achieved that's not possible with standard .010" material.

Surface Color / Letter Color	Satin
	LSI-501
	LSI-502
	LSI-502P
	LSI-516
	LSI-517
	LSI-519
	LSI-503
	LSI-504
	LSI-505
	LSI-506
	LSI-507
	LSI-511 ★
	LSI-512
	LSI-514
	LSI-522
	LSI-591

## THE SPOTLITE SERIES — Nightlites

The Nightlites incorporate a non-radioactive chemical light source in a flexible plastic substrate that glows in total darkness after exposure to light, now reformulated to meet or exceed most photoluminescent standards for building signage. On the reverse engraving version, the background glows — engraved letters can be filled with acrylic paint, or vinyl letters can be applied. On the front surface engraving version the engraved letters glow.

Surface Color / Letter Color	Matte	Gloss
<b>REVERSE ENGRAVABLE</b>		
	NTC-100M	
<b>FRONT SURFACE ENGRAVABLE</b>		
	NT-1001	
	NT-1003	
	NT-1009	
	NT-1042	
	NT-1047	
		NT-1092
		NT-1202F
		NT-1204F
<b>SINGLE PLY WITH ADHESIVE</b>		
	NT-1050-12/ADH	★

★ denotes new product

## THE SPOTLITE SERIES — Reflectors

The Reflectors are flexible engraving products that reflect brightly in the dark when light hits them, similar to a reflector on a bicycle. Available in 6 colors. For interior or exterior use; Rotary engravable; can also be vector cut by laser or rotary.

Surface Color / Letter Color	Matte
Reflector White/Black	RF-1102
Reflector Red/White	RF-1103
Reflector Blue/White	RF-1104
Reflector Green/White	RF-1105
Reflector Yellow/Black	RF-1106
Reflector Orange/Black	RF-1108

## Exterior

### THE EXTERIOR SERIES – .005 Advantage

IPI's .005 ADVANTAGE in a durable, UV-stable exterior grade front surface engraving material.

Surface Color / Letter Color	Matte	Gloss
Black / White	LME-601/5	LGE-601/5
White / Black	LME-602/5	LGE-602/5
White / Red	LME-616/5	LGE-616/5
White / Blue	LME-617/5	LGE-617/5
Red / White	LME-603/5	LGE-603/5
Blue / White	LME-604/5	LGE-604/5
Green / White	LME-605/5	LGE-605/5
Yellow / Black	LME-606/5	LGE-606/5

### THE EXTERIOR SERIES – *Hardwear® Plus*

The advantages of IPI's *HARDWEAR®* technology plus total UV stability. *HARDWEAR® PLUS* is the most durable micro-surface material in the industry. Available in virtually any front surface color or look that IPI offers in its other lines.

Surface Color / Letter Color	Matte	Gloss
Glossy Gold / Black	HM-392	HG-392
Glossy Silver / Black	HM-393	HG-393
Platinum Marble / Black	HM-3200	HG-3200
Deep Charcoal Marble / White	HM-3202	HG-3202
Verde Green Marble / White	HM-3204	HG-3204
Wild Cranberry Marble / White	HM-3213	HG-3213
Shaded Spruce Granite / White	HM-3216	HG-3216
Rustico Granite / White	HM-3218	HG-3218

## THE .005 ADVANTAGE – Crystals

A multi-layer acrylic blend for reverse sub-surface engraving. The cap and core are fused with the .005"-thick engraving layer, for durability and fine-line engraving capabilities.

Surface Color / Letter Color	Matte	Gloss
Black / Clear	CM-101	LCG-701
White / Clear	CM-102	LCG-702
Spectrum Red / Clear	CM-103	LCG-703
Spectrum Blue / Clear	CM-104	LCG-704
Spectrum Green / Clear	LCM-705	LCG-705
Spectrum Yellow / Clear	CM-106	LCG-706
Dark Brown / Clear	CM-107	
Spectrum Orange / Clear	LCM-708	LCG-708
Navy Blue / Clear	LCM-709	LCG-709
Burgundy / Clear	LCM-712	LCG-712
Ivory / Clear	LCM-722	LCG-722
Deep Blue / Clear	LCM-726	LCG-726
Pumice / Clear	CM-130	
Pewter / Clear	CM-131	
Gray Flannel / Clear	CM-133	
Wedgewood / Clear	CM-136	
Slate / Clear	CM-137	
Jade / Clear	CM-140	
Teal / Clear	CM-142	
Spruce / Clear	LCM-743	LCG-743
Dusty Mauve / Clear	CM-145	
Plum / Clear	CM-147	
Apricot / Clear	CM-171	
Smooth Gold / Clear	CM-192	CG-192
Smooth Silver / Clear	CM-193	CG-193

Also available: **ACRYFIL PAINT FILL** by IPI

A special polymer acrylic developed for use specifically with IPI's reverse engravable materials. Applies smoothly and easily, is self-sealing, non-toxic, and water-based. Mix paints to create custom colors. Kits available include Primary, Designer, Combo (Primary and Designer) and OSHA Safety Colors.



# THE LASER SHOP



Nine exciting series, developed specifically for computerized laser engraving machines. IPI's Laserables technology eliminates problems with flaming, melting and yellowing common when laser engraving regular engraving plastic. These materials can also be rotary engraved.

## THE LASER ENGRAVING SERIES – Laserables

IPI's ultimate laser engraving series, 55 stock products, in front and reverse engravable versions and a variety of colors and looks. UV-stable for exterior as well as interior use. Laserables have the most durable micro-surface in the industry, .0025", which allows user to laser engrave and/or profile cut with superior ease and quality.

Surface Color / Letter Color	Matte	Gloss
<b>LASERABLES FRONT ENGRAVABLES</b>		
Laser Black / White	LZ-901	
Laser White / Black	LZ-902	
Laser White / Red	LZ-916	
Laser White / Blue	LZ-917	
Laser White / Green	LZ-919	
Laser Red / White	LZ-903	
Laser Blue / White	LZ-904	
Laser Green / White	LZ-905	
Laser Yellow / Black	LZ-906	
Dark Brown / White	LZ-907	
Navy Blue / White	LZ-909	
Burgundy / White	LZ-912	
Pine Green / White	LZ-914	
Pumice / Black	LZ-930	
Gray Flannel / White	LZ-933	
Teal / White	LZ-942	
Plum / White	LZ-947	
Purple Haze / White	LZ-950	
Medium Walnut / White	LZ-981	
Platinum Marble / Black	LZ-9200M	LZ-9200
Deep Charcoal Marble / White	LZ-9202M	LZ-9202
Deep Charcoal GF Marble / White		LZ-9202F

## LASERABLES FRONT ENGRAVABLES (Cont'd)

Surface Color / Letter Color	Matte	Gloss
Verde Green Marble / White	LZ-9204M	LZ-9204
Verde Green GF Marble / White		LZ-9204F
Wild Cranberry Marble / White	LZ-9213M	LZ-9213
Shaded Spruce Granite / White	LZ-9216M	LZ-9216
Rustico Granite / White	LZ-9218M	LZ-9218

## LASERABLES REVERSE ENGRAVABLES

Laser Black / Clear	LZR-901	LZR-901G
Laser White / Clear	LZR-902	LZR-902G
Laser Red / Clear	LZR-903	
Laser Blue / Clear	LZR-904	
Laser Yellow / Clear	LZR-906	
Dark Brown / Clear	LZR-907	
Navy Blue / Clear	LZR-909	
Pumice / Clear	LZR-930	
Pewter / Clear	LZR-931	
Gray Flannel / Clear	LZR-933	
Wedgewood / Clear	LZR-936	
Slate / Clear	LZR-937	
Jade / Clear	LZR-940	
Teal / Clear	LZR-942	
Dusty Mauve / Clear	LZR-945	
Plum / Clear	LZR-947	
Apricot / Clear	LZR-971	
Smooth Gold / Clear	LZR-992RM	LZR-992R
Smooth Silver / Clear	LZR-993RM	LZR-993R
Matte Clear / Gloss Clear	LCM-700G	

## LASERABLES II

Economical laser engraving material, .058" thick with a .001" top color surface for clean, bright engraving. Matte finish; interior use only.

Surface Color / Letter Color	Matte
Black / White	LZ-2901-72
White / Black	LZ-2902-72
White / Red	LZ-2916-72
White / Blue	LZ-2917-72
Red / White	LZ-2903-72
Blue / White	LZ-2904-72
Yellow / Black	LZ-2906-72
Pine Green / White	LZ-2914-72

## THE GOLD COAST® SERIES

IPT's most elegant engraving product recreates the look of black and/or colored brass in 13 lustrous hues, stone and wood patterns. Available on either a light, tough, bendable .030 or a UV-stable .060 bright brass gold modified acrylic core. Perfect for rotary or laser engraving.

Surface Color / Letter Color	Matte	Gloss
Black / Bright Gold	GCM-2001	GCG-2001
Red / Bright Gold	GCM-2003	
Blue / Bright Gold	GCM-2004	
Navy Blue / Bright Gold	GCM-2009	
Spruce / Bright Gold	GCM-2014	
Teal / Bright Gold	GCM-2042	
Plum / Bright Gold	GCM-2047	
Purple Haze / Bright Gold	GCM-2050	
Deep Char. Gold Fleck Marble / Br. Gold		GCG-2202F
Verde Green Gold Fleck Marble / Br. Gold		GCG-2204F
Rustico Granite / Bright Gold		GCG-2218
Dark Walnut / Bright Gold	GCM-2082	
Burlwood / Bright Gold		GCG-2085

To order 2-ply 1/32", add .030 to stock number; to order 2-ply 1/16", add .060. Example: GCG-2218.030; GCG-2218.060

## LASERTHINS

Exceptionally thin laser engraving material, only .030" thick with a .001" top color surface, that still offers all of IPT's laser engraving qualities. Matte or metallic finish; for interior use only.

Surface Color / Letter Color	Matte	Metallic
Black / White	LZ-901-12	
White / Black	LZ-902-12	
Red / White	LZ-903-12	
Blue / White	LZ-904-12	
Navy / White	LZ-909-12	
Spruce / White	LZ-914-12	
Brushed Gold / Black		LZ-990-12
Brushed Aluminum / Black		LZ-991-12
Bright Silver / Black		LZ-998-12
Bright Gold / Black		LZ-999-12
Copper Brush / Black		LZ-9346-12
Nickel Brush / Black		LZ-9372-12

### LASERTHINS FRONT ENGRAVABLES

Black / Clear	LZR-901-12
White / Clear	LZR-902-12
Matte Clear / Gloss Clear	LCM-700G-12

### LASERTHIN GLOW SINGLE PLY WITH ADHESIVE

(See Nightlites for details)

NT-1050-12/ADH ★

## HEAVY METAL

Heavy Metal metallized plastic laserables bring you the elegant look and dazzling finishes of such exotic colors as Steel Blue Brush, Nickel Brush, Copper Brush, Amber Brush, Tahitian Bronze and Brushed Brass. Also rotary engravable.

Surface Color / Letter Color	Matte	Gloss
Brushed Gold / Black	LZ-990M*	LZ-990•
Brushed Gold / Blue		LZ-990AB
Brushed Gold / Dark Green		LZ-9408
Brushed Gold / Burgundy		LZ-9409
Brushed Aluminum / Black	LZ-991M*	LZ-991•
Brushed Aluminum / Blue		LZ-9412
Smooth Gold / Black	LZ-992M**	LZ-992**
Smooth Silver / Black	LZ-993M**	LZ-993**
Radiant Gold / Black		LZ-994
Nickel Brush / Black		LZ-9372*
Nickel Brush / Burgundy		LZ-9372BR
Steel Blue Brush / Black		LZ-9361
Steel Blue Brush / Blue		LZ-9361AB
Brushed Brass / Black		LZ-910
Amber Brush / Black		LZ-9362
Copper Brush / Black		LZ-9346*
Copper Brush / Dark Green		LZ-9346G
Tahitian Bronze / Black		LZ-9243
Tahitian Bronze / Burgundy		LZ-9243BR
Grand Illusion / White		LZ-9406

\* See LaserThins for .030 gauge version

\*\* UV-stable for exterior use. Also see Laserables (Reverse Engraving Version) for subsurface engraving applications

• Also available in Stock (Single Sheet) orders: LZ-990-42 Brushed Gold / Black / Gloss, 2-ply, 1/8" LZ-991-42 Brushed Aluminum / Black / Gloss, 2-ply, 1/8"

## GEMSTONES ★ New Series!

The deep, rich feel of nature's most durable stones, carefully recreated in six vibrant colors on a clear acrylic substrate for a truly grand appearance. Gemstones were designed specifically for reverse laser or rotary applications and engrave absolutely clear for the brightest, sharpest color filling possible.

Available in 12" x 24" sheets, 1/16" thick. Gloss finish. For interior use only.







Surface Color / Letter Color	Gloss
Black Opal / Clear	LZR-29202 ★
Emerald Green / Clear	LZR-29204 ★
Tawny Port / Clear	LZR-29213 ★
Sienna / Clear	LZR-29218 ★
Sapphire Blue / Clear	LZR-29239 ★
Purple Haze / Clear	LZR-29250 ★

★ denotes new product

## LAZRMIRRS *New Series!*

Actual colored mirror, applied to a clear acrylic substrate for reverse laser and rotary engraving applications. LazrMirr's new technology has been designed to provide clear, undistorted mirror reflection in six dazzling colors for the ultimate in subsurface/color filling projects.

Available in 12" x 24" sheets, 3/32" or 1/32" thick. Gloss finish. For interior use only. Color fill with latex water-base paint or IPI Acryfil only.

Surface Color / Letter Color	Gloss
Red LazrMirr / Clear	LZR-803 
Green LazrMirr / Clear	LZR-805 
Blue LazrMirr / Clear	LZR-809 
Purple LazrMirr / Clear	LZR-850 
Silver LazrMirr / Clear	LZR-898 
Gold LazrMirr / Clear	LZR-899 

Stock numbers shown are for 2-ply, 3/32". To order 1/32" thickness, add the suffix "-12" to the number. Example: LZR-898-12

## LASERTHINMAGNETICS

The exciting new pliable, laserable magnetic material, LaserThinMagnetics laser engrave and profile easily to create beautiful magnets in any shape and size, opening whole new possibilities for short-run magnetics. 12" x 24" sheets, .020" (0.508mm) thick. Gloss or or brushed finish; interior or exterior use.

Surface Color / Letter Color	Gloss	Brushed
Brushed Gold / Black	LTM-190	
Brushed Silver / Black	LTM-191	
Black / Gold	LTM-199	

## LASERULTRATHINS

The flexible, self-adhesive laser engraving breakthrough. Only 4 mil (.004") thick, LASERULTRATHINS adhere securely to a wide range of materials, easily accommodating curving surfaces and extending laser engraving into realms never before possible. Extremely durable, as well as heat, solvent and abrasion resistant, LASERULTRATHINS are ideal for everything from industrial nameplates to awards and ad specialties. Also rotary engravable.

Available in 12" x 24" sheets. Gloss or brushed finish; for interior or exterior use. Thickness: .004" (0.102mm)

Surface Color / Letter Color	Gloss	Brushed
Black / White	ULT-01	
White / Black	ULT-02	
Red / White	ULT-03	
Blue / White	ULT-04	
Yellow / Black	ULT-06	
Brushed Silver / Black		ULT-91
Smooth Silver / Black	ULT-93	
Brushed Gold / Black		ULT-90
Smooth Gold / Black	ULT-92	
Brushed Bronze / Black		ULT-94
Black / Silver	ULT-98	
Black / Gold	ULT-99	

 denotes new product

## IPI MATERIAL SPECIFICATIONS

TRADITIONALS • DESIGNER • ISOCHROMATICS • ARCHITECTURAL • CORPORATE • HIGH-TECH • HARDWEAR • ATTENTION GRABBERS • NIGHTLITES • BRUSHED SATINS

<b>Material</b>	Micro-surfaced ABS (except NIGHTLITES reverse surface) HARDWEAR: with Hardwear protective surface
<b>Sheet size</b>	24" x 48"; NIGHTLITES: 24" x 24"
<b>Usage</b>	Interior signage; Personal identification
<b>Cutter</b>	Rotating carbide; Non-rotating diamond (HIGH-TECH & HARDWEAR only); Laser (NIGHTLITES front surface only)
<b>Cutting Depth</b>	.003"; BRUSHED SATINS: .007"; NIGHTLITES Reverse Engraving Material: .022"
<b>Fabrication</b>	Scores; Shears; Heat bendable; No predrilling
<b>Other Features</b>	Bonds; Hot stamps; Silkscreens; Permits detailed engraving (except NIGHTLITES Reverse Engraving)

Products listed are readily available in 2-ply 1/16". Most products can be produced in 2-ply 1/32", 3/32" or 1/8", and 3-ply 1/16" or 1/8". Check with your distributor for specific details on availability and/or minimum order.

HARDWEAR PLUS • .005 ADVANTAGE EXTERIOR • CRYSTALS

<b>Material</b>	HARDWEAR PLUS: Micro-surfaced Centrex with Hardwear protective surface .005 ADVANTAGE EXTERIOR: .005" UV-stable colored surface of impact acrylic permanently fused to a UV-stable colored core for front engraving CRYSTALS: .005" UV-stable colored surface permanently fused to a clear UV-stable core for reverse engraving
<b>Sheet size</b>	24" x 48"
<b>Usage</b>	Interior/exterior signage; Personal identification
<b>Cutter</b>	Rotating carbide
<b>Cutting Depth</b>	HARDWEAR PLUS: .003" .005 ADVANTAGE EXTERIOR, CRYSTALS: .007"
<b>Fabrication</b>	HARDWEAR PLUS: Scores; Shears; Heat bendable; No predrilling .005 ADVANTAGE EXTERIOR, CRYSTALS: Saws; Shears; Heat bendable
<b>Other Features</b>	Bonds; Hot stamps; Silkscreens; UV stable; Permits detailed engraving

Products listed are readily available in 2-ply 1/16", or can be special ordered in 2-ply 1/8". Call for specific details on availability and/or minimum order.

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## IPI MATERIAL SPECIFICATIONS *Continued*

### LASERABLES • LASERABLES II • LASERTHINS • GOLD COAST • HEAVY METAL

<b>Material</b>	Micro-surfaced impact acrylic
<b>Sheet size</b>	24" x 48"
<b>Usage</b>	Interior signage; Personal identification; Exterior signage: 1/16" and 1/8" LASERABLES, .060" GOLD COAST, LASERTHINS (REVERSE only), HEAVY METAL (only as noted by **)
<b>Cutter</b>	Laser cut; Rotating carbide
<b>Cutting Depth</b>	LASERABLES II, LASERTHIN FRONT SURFACE: .003"; LASERABLES, GOLD COAST, HEAVY METAL, LASERTHIN REV.: .004"
<b>Fabrication</b>	Saws; Drills; Heat bendable
<b>Other Features</b>	Bonds; Hot stamps; Silkscreens; Permits detailed engraving UV stable: LASERABLES, HEAVY METAL (only as noted by **), .060" GOLD COAST, LASERTHINS (REVERSE only) Translucent version for backlighting available in 1/16" and 1/8" LASERABLES only

Products listed are readily available in 2-ply 1/16". Most products can be produced in 2-ply 1/32" or 1/8", and 3-ply 1/16" or 1/8". Check with your distributor for specific details on availability and/or minimum order.

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### GEMSTONES

<b>Material</b>	.001" Micro-surfaced impact acrylic (interior) for reverse engraving
<b>Finish</b>	Gloss
<b>Sheet size</b>	12" x 24" (2-ply, 1/16")
<b>Usage</b>	Interior signage; Personal identification; Recognition
<b>Cutter</b>	Laser cut; Rotating carbide
<b>Cutting Depth</b>	.003"
<b>Fabrication</b>	Shears; Saws; Drills; Heat bendable; Can be beveled
<b>Other Features</b>	Designed for reverse engraving; Engraves "clear" for bright and easy color filling; Bonds; Hotstamps; Silkscreens; Permits fine detailed engraving

Color fill with acrylic water-base paint or IPI Acryfil only.

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### REFLECTORS

<b>Material</b>	Micro-surfaced high-impact acrylic, 2-ply 1/16"
<b>Sheet size</b>	24" x 48"
<b>Usage</b>	Interior or exterior signage
<b>Cutter</b>	Rotating carbide engraving; Laser or rotary vector cut
<b>Cutting Depth</b>	.003"
<b>Fabrication</b>	Saws; Drills; Heat bendable
<b>Other Features</b>	Bonds; Hot stamps; Silkscreens; Permits detailed engraving

### LAZRMIRRS

<b>Material</b>	.001" Micro-surfaced impact acrylic (interior) for reverse engraving
<b>Finish</b>	Gloss
<b>Thickness</b>	2-ply, 3/32" (0.098"); 2-ply, 1/32"
<b>Sheet size</b>	12" x 24"
<b>Usage</b>	Interior signage; Personal identification; Recognition; Advertising specialties; Point of purchase
<b>Cutter</b>	Laser cut; Rotating carbide
<b>Cutting Depth</b>	.005"
<b>Fabrication</b>	Saw; Laser cut; Rotating Carbide. <b>Do not shear 3/32" material — it will shatter.</b>
<b>Other Features</b>	Designed for reverse engraving; Cut shapes; Silkscreens; Permits fine detailed engraving

Color fill with latex water-base paint or IPI Acryfil only.

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### LASERTHIN GLOW

<b>Material</b>	.020" Single-ply micro-surfaced impact acrylic with adhesive
<b>Sheet size</b>	24" x 48" x .020"
<b>Usage</b>	Interior signage
<b>Cutter</b>	Laser cut; Rotating carbide
<b>Cutting Depth</b>	.022"
<b>Fabrication</b>	Saws; Drills; Shears; Heat bendable
<b>Other Features</b>	Meets or exceeds most photoluminescent standards for building signage; Bonds; Hot stamps; Silkscreens

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### LASERULTRATHINS

<b>Material</b>	Micro-surfaced pre-adhesive plastic
<b>Sheet size</b>	12" x 24"
<b>Usage</b>	Personal identification; industrial and commercial labeling
<b>Cutter</b>	Laser; rotary engravable
<b>Cutting Depth</b>	.002" for engraving; .006" for profiling
<b>Fabrication</b>	Cuts with a laser engraver or plotter
<b>Other Features</b>	UV-stable; Embosses; Ink & thermal prints; Sandblasts; Permits detailed engraving. Bonds to metals, plastics, rubbers, wood and foams

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### LASERTHIN MAGNETICS

<b>Material</b>	Flexible micro-surfaced magnetic material
<b>Sheet size</b>	12" x 24"
<b>Usage</b>	Promotional magnets; Repositionable nameplates; Vehicle graphics
<b>Cutter</b>	Laserable (rotary engraving is not recommended)
<b>Fabrication</b>	Die-cuts; Cuts with a laser engraver, blade or plotter
<b>Other Features</b>	Ink & thermal prints; Sandblasts; Permits detailed engraving. Brushed Silver/Black and Black/Gold are UV-stable.