



TSL GRAPHICS

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WELCOME TO TSL GRAPHICS

Todd Larson started TSL Graphics (then TA Graphics) in 1999 in response to changes in the US manufacturing industry. While high end products were still manufactured in the United States, the printing services that decorated them had moved with the larger volume products to Asia. This led to high quality, US-made products competing on store shelves at a disadvantage.

Through a partnership with TransArt Graphics in Taichung Taiwan, TSL Graphics brings cutting edge decorating technology to North America along with the stateside service and support needed to succeed. In the last twelve years, TSL and TransArt have together developed decal types specifically for the needs of US manufacturers. Whether it is a transfer that uses pure water with no solvents or a waterslide that eliminates the need for painting, these products allow US manufacturers to compete in an increasingly global marketplace.

To further meet the needs of American niche markets, TSL Graphics partnered manufacturing facility in 2004 that is dedicated to just TSL Graphics' clients. Complementing the size and strengths of TransArt, TSL specializes in low volumes and short lead times.

Today TSL Graphics distinguishes itself in the product decoration industry by tailoring its service, support and products to its customers' needs. Our employees are willing and able to think creatively for new solutions to reduce costs, save time and increase flexibility.



ARTWORK

The art you prepare for us depends on the design and the product we are printing. As we are screen printers, most products are best printed in spot color. This allows for solid, vibrant inks as well as special inks such as metallics.

In order to print a spot color decal or transfer, we require vector artwork. Vector files are created by programs like Adobe Illustrator or Corel Draw and can be saved as .ai, .eps or even .pdf files. If you're not sure if your file will work, Submit Your Artwork for Review and we can help you. If you don't have vector artwork, we may be able to convert or redraw it for you.

TSL Graphics is able to screen print CMYK process color as well. For this we require JPEG, TIFF or Adobe Photoshop at no less than 300 dpi. If supplied in an AI or EPS file, all imbedded images must be 300 dpi or greater.

APPLICATION

Application instructions for most decal and transfer types are included on each product page. These represent the most common conditions and instructions for each decal or transfer type, but can vary with your application. TSL Graphics is happy to work with your application staff directly to train, improve speed or increase quality of application

Application Instruction Sheets

- DRT Application Instructions
- HRNT-SS Application Instructions
- NCWS Application Instructions
- NPWT-SGA Application Instructions
- Waterslide Application Instructions



PRODUCTS



HIGH-FUNCTIONING DECALS, STICKERS AND BADGES

With decades of experience providing high-quality product decals, we understand how critical functionality, durability, application, and turnaround times are to manufacturers. That's why we take the time to understand your specific needs to ensure you receive the best solution that elevates your product above the competition.



DECALS

- Waterslide Decals
- Dry Transfers
- Heat Transfers
- Solution Transfers
- Dome Decals
- PET Decals
- Heat Resistant Decals



STICKERS

- Dome Stickers
- PET Stickers
- Die Cut Stickers
- Vinyl Stickers
- Heat Resistant Stickers



BADGES

- Aluminum Badges
- Plastic Badges

WATERSLIDE DECALS

The waterslide decal is our flagship product. Made for many substrates and finishes. The waterslide provides the perfect zero-profile finish that can only add to the beauty of your product. This high-end ink only decal finish without an edge looks like your art was painted on to the surface. This product is constantly being updated and enhanced to ensure that you are getting the latest in decal technology.

QUALITIES



Glass



Plastic



Metal



Wood



Carbon Fiber



Zero Profile



Cure



Clear Coat



No Clear Coat



Heat Resistant



Foil

USAGE

- Sporting goods: Baseball Bats, hockey, bicycles, helmets, Softball Bats, Archery, Paddle Sports
- Curved products: Beer tap handles, promotional products
- Motorsports: Motorcycles and ATVs

FEATURES

- Strong focus on making sure our whites are the whitest and our registration is tight on every decal to make your design clean and sharp
- Waterslide masking decals mask for two tone paint jobs and decal in one step
- Largest color and finish options of all of our decals

APPLICATION

- The Waterslide has easy application qualities that make it an ideal decal for most uses
- After application to the substrate, the decal is able to move around easily helping with accurate placement
- Being a flexible thin product, the decal handles most curved products with ease, being ideal for complex curves like helmets
- Application process only requires water, helping with workplace safety as well as being eco-friendly

DURABILITY

- Under the waterslide category, there are a few different ways to protect your waterslide to ensure a long lasting scratch resistant design
- Made to be clear coated over the decal does not cause any bubbling, cracking or peeling to most top coats
- Heat resistant and can withstand higher temperatures without the whites yellowing or adhesive failing
- Special formula for option to withstand the heat of a powder coat oven
- Curable option for products that you do not require a top coat

DRY TRANSFERS

Dry transfers are a unique product made to address the downsides of other decal and transfer types in certain situations. These transfers are ideal for last-minute additions or corrections to a design. All dry transfers a hard UV-cured top coat for durability.

QUALITIES



Plastic



Wood



Carbon Fiber



Foil



Clear Coat



No Clear Coat



Stickers

USAGE

- Versatile decal for different products
- Baseball and softball bats
- Watersports

FEATURES

- All Dry transfers are hard UV-Cured top coat

APPLICATION

- Beyond an alternative to stickers, dry transfers give the look of other transfers without needing to set up and train for the application.
- They go on dry, so no water, solvent mixture or drying is necessary.

DURABILITY

- Made to be clear coated over the decal does not cause any bubbling, cracking or peeling to most top coats
- DRTs have a built-in clear coat, so there is no need to paint after application. As soon as it is applied, you are ready to ship.
- Looking to clear coat it still?
- We have an undercoat version that will not bubble or crack your finish.



SOLUTION TRANSFER

Water transfers are the workhorse of professional decorating. Able to adhere to a wide variety of substrates and paint systems, water transfers application is an easy, equipment-free way to add only your artwork to the part.

QUALITIES



Plastic



Wood



Carbon Fiber



Clear Coat



Powder Coating

APPLICATION

- For many applications, water transfers are the easiest way to apply artwork with no profile to your product. The water transfer release paper, which is removed after application, allows for greater application tolerance. Printed alignment lines guide placement for consistent decoration.

POWDER COATING

- We have a special formula solution transfer that is made to withstand the heat of a powder coat oven. No need for masking product or painting after production.

USAGE

- Carbon Fiber
- Wood
- Powder Coating



DOME DECALS

Dome stickers are a great way to add depth and a more substantial look to your product by finishing a pressure-sensitive sticker with a crystal-clear polyurethane dome. Uses for dome stickers range from small logos on consumer electronics to large domed sets decorating boat hulls.

QUALITIES



Plastic



Wood



Stickers



Glass



Metal



No Clear Coat

USAGE

- Great for the car industry to blend in with make and model decorations
- Baseball and Softball Bat Knob decals
- Watersports

ALTERNATIVES

- TSL Graphics produces several alternatives to dome decals: Aluminum Badges & Plastic Badges

APPLICATION

- Each letter of a logo or trade name can be free standing
- A carrier film is used to quickly apply them in one step with even spacing
- Quick, simple one step application

DURABILITY

- TSL Graphics starts with the material and adhesive best suited for your needs, prints and applies finishes according to your design and then applies a thick, protective dome over the top.
- The adhesive can be customized to your product for permanent adhesion



HEAT TRANSFERS

Ink only decals with a fast automated application that is exact, consistent and durable. Recommended for higher production quantities heat transfers are a great next step for a zero edge decal that can go with out without a clear coat.

QUALITIES



Plastic



Metal



Carbon Fiber



Automated



Clear Coat



No Clear Coat



Zero Profile

USAGE

- Range of plastics and for all needs
- Archery Arrows and Bows
- Carbon Fiber
- Hockey Sticks
- Pool cues
- Leather
- Fabric

MORE

- Learn more about the differences between heat transfer rolls and sheets here
- Learn about Vacuum heat transfer technology here
- No machine yet? No problem, we are happy to refer you to a few different suppliers we have been very happy with.

APPLICATION

- Heat transfers require a heat transfer press, to provide consistent pressure and temperature to activate the decal's adhesive.
- Our decals can come in rolls, that provide a more automated application process with feeders moving to the next decade after every use.
- Or we can provide sheet heat transfers that are set up with registration holes and allow for the decal to be applied in the exact same place every time.
- This is great for narrow design locations such as bow limbs.

DURABILITY

- With heat activated adhesive, the decal has a UV coated top coat that provides additional durability, so after application your product is ready to go



PET DECALS

Polyester pressure sensitive sticker that provides more versatility than vinyl with advantages such as heat resistance, printability and durability.

QUALITIES



UV Resistant



Heat Resistant



Sticker



Powder Coated



Clear Coat



No Clear Coat



Automated

USAGE

- Powder coating warning or caution decals

POWDER COATING

- This special formulated thin decal can withstand powder clear coats and maintain temperature resistance through the 360 degree heat curing cycle
- Apply the decal before clear application and cure normally

APPLICATION

- Application
- Pressure sensitive sticker with a carrier film for quick and exact placement
- Can be used under a clear coat with the fear of pooling, cracking or peeling

DURABILITY

- When not using a clear coat, the decal can be laminated and applied onto the final product lamination
- Adds additional heat resistance and protection to the decal
- Our standard adhesive is formulated for permanent use with the option for advanced adhesive for outside or high traffic placement

 **TSL GRAPHICS**

HEAT RESISTANT

The heat resistant sticker is the answer for a customer wishing to clear coat while keeping the application process of a pressure sensitive sticker. This sticker is made with painting in mind as it can withstand temperatures of up to 360°F with a low profile that can disappear under a clear coat.

QUALITIES



Glass



Plastic



Metal



Wood



Carbon Fiber



Zero Profile



Cure



Clear Coat



No Clear Coat



Heat Resistant



Foil

PRINT QUALITY

- Only the artwork is applied to the part.
- Even lower profile than a thin sticker so they easily disappear under a clear coat.
- Special formulas can cure hard to be durable without additional painting.
- Waterslide decals can be extremely flexible to apply to compound curves.



APPLICATION

- A thin removable polyester carrier allows for alignment and application without contact with the adhesive.
- Alignment lines can be added to the carrier for precise placement.



DURABILITY

- Made to be clear coated over the decal does not cause any bubbling, cracking or peeling to most top coats
- Heat resistant and can withstand higher temperatures without the whites yellowing or adhesive failing
- Special formula for option to withstand the heat of a powder coat oven
- Curable option for products that you do not require a top coat



DIE CUT STICKERS

Die cut stickers are a great choice for simple, minimal branding. Rather than printing your artwork on a solid piece of vinyl or PET, TSL Graphics cuts the design from several solid or printed colors of material. When applied, only logo or lettering is left with no extra material.

QUALITIES



Heat Resistant



Foil



No Clear Coat

ALTERNATIVES

- Press-on Screen Print – This dry transfer mimics the look of die cut vinyl, but is made entirely with ink. This means no tooling costs or die limitations. Application is exactly the same, but designs can be much more intricate as there is no cutting.
- Multi-Substrate Decal – A solution transfer, MSD again uses only printed inks and adhesives to decorate your product. This transfer type earns its name by adhering to almost any surface. It is much thinner than any die cut decal and integrates into the product without seams.

APPLICATION

- As with all TSL products, the adhesives for die cut stickers can be tailored to your application. Certain adhesives are designed for different materials or paint systems in addition to adhesives for special applications.



DURABILITY

- Removable sticker adhesive for temporary use. Won't peel up and leaves no residue.
- Heat resistant adhesive. Formulated to withstand high temperatures without losing adhesion.
- Cold resistant adhesive. Ideal for machinery and equipment used or stored outdoors.



VINYL STICKERS

Vinyl stickers don't have to be stock labels. TSL Graphics tailors the product to your needs through a bevy of adhesive, material and printing options. You decide the size and shape, so there's no need to choose a standard oval or rectangle.

QUALITIES



Glass



Plastic



Metal



Wood



Carbon Fiber



Zero Profile



Cure



Clear Coat



No Clear Coat



Heat Resistant



Foil

USAGE

- Indoor and outdoor use
- Heat resistant and formatted to withstand high and low temperatures without losing adhesion
- Removable temporary adhesive available

OPTIONS

- Vinyl might be the most common sticker material, but is it right for your application?
- Polyester (Mylar) - Can be thinner than vinyl, more heat resistant and won't shrink or stretch
- Polycarbonate - Stiff and thick, polycarbonate is extremely durable and gives a high end, substantial appearance

APPLICATION

- Quick and simple application with or without a carrier for precise placement and spacing of design

DURABILITY

- Range of adhesive from temporary to advanced outdoor permanent adhesive
- Ink is UV coated for sun protection



ALUMINUM BADGES

High end, impressive design intended add embellishments that show off your product. A badge only suits your purpose if it fits the product and stays there.

QUALITIES



Glass



Plastic



Metal



Wood



Carbon Fiber



UV Resistant



Sticker

USAGE

- Bicycles
- Archery
- Beer tap handles

FEATURES

- Can be modeled to the curve of your product
- Faint shadings to add additional depth, provide an aged look, or make an embossed look more readable
- After embossing, the badge can be screen printed to add color to your design
- Badge can be polished, matte or brushed
- We can add punched holes for rivets or screws

APPLICATION

Designed with a foam pressure sensitive adhesive that is quick and precise

DURABILITY

- Optional advanced 3m adhesive for outdoor use
- Material is clear coated to product against everyday wear and tear
- Inks UV protected to make sure your logo stays vibrant and stands out



PLASTIC BADGES

If you like the depth and durability that an aluminum badge provides without the weight or price plastic is a good option. Plastic badges have more options and flexibility to meet additional needs

QUALITIES



Glass



Plastic



Metal



Wood



Carbon Fiber



Zero Profile



Cure



Clear Coat



No Clear Coat



Heat Resistant



Foil

USAGE

- Beer taps
- Paddle sports
- Coolers
- Car dealership decals

FEATURES

- Metallic foils including chrome, brushed metal, patterns and more.
- Transparent colors over foil (for example, blue chrome or red brushed metal)
- Embossing full line of screen printing inks including metallic inks and fluorescent colors. CMYK process color

DURABILITY

- Under the waterslide category, there are a few different ways to protect your waterslide to ensure a long lasting scratch resistant design
- Printed on extremely durable polycarbonate films, plastic badges can be printed with intricate designs before embossing.
- Because the inks are on the back side of the polycarbonate, the final product is very durable and scratch resistant

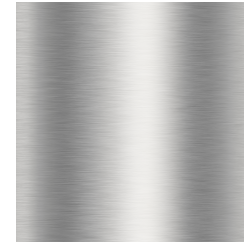


SUBSTRATES

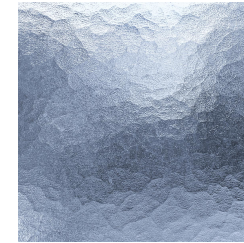
WE HAVE A DECAL FOR EVERY SURFACE,

If you are working with it chances are we have too and know which direction to point you in. Our goal is to make this easy for you and there to be no surprises.

Our range of decals are designed to adhere to just about anything. Our team is available to do testing on your substrate to see what products and process would fit you best. Please just ask.



Aluminum



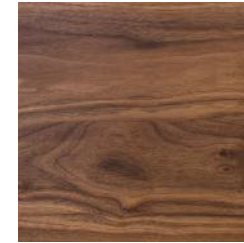
Glass



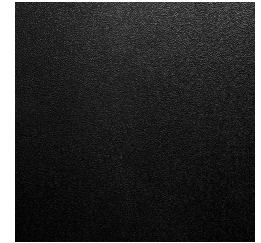
Metal



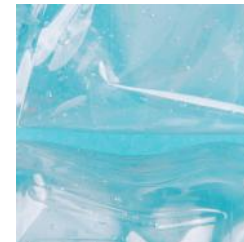
Composite



Wood



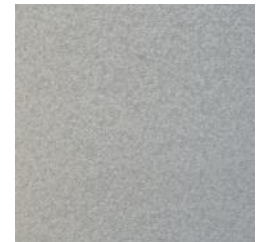
Powder Coated



Plastics



Fabric



Fiberglass

ALUMINUM

TSL graphics has a large range of products formulated for application on aluminum. Whether your product features complex curves or gentle arcs our decals will provide the appearance of a painted graphic with no added weight, zero visible edges and permanent adhesion.

Products

- Waterslide Transfers
- Solution Transfers
- Heat Transfers



Heat Transfer



Zero Profile



Cure



Clear Coat



No Clear Coat



Heat Resistant

GLASS

Whether you are looking for an etch effect or highly pigmented inks, TSL Graphics can provide decals for most designs on glass. Waters

Products

- Waterslide Transfers
- Vinyl Decals



Foil



Zero Profile



UV Resistant



Sticker



No Clear Coat



Heat Resistant

METAL

With a large range of metal substrates, textures and finishes TSL Graphics' goal is to understand and take the guesswork out of all decal applications. Application processes can change by adding the slightest texture or changing to a matte paint finish and we want to get ahead of that with our processes.

Products

- Waterslide Transfers
- Heat Transfers



Automated



Zero Profile



Cure



Clear Coat



No Clear Coat

COMPOSITE

Your design is intended to be lightweight, sleek and forgiving; why bulk it up with a decal that negatively affects a composite material? As composite technology has matured our decal technologies have evolved in parallel to provide decorating capabilities that can enhance any design. TSL's waterslide and heat transfer decals can conform to your composite product without adding weight.

Products

- Waterslide Transfers
- Heat Transfers



Heat Transfer



Zero Profile



Clear Coat



Foil

WOOD

Our decals are intended to only add to beautifully wood crated products. After the detailed engineering, design and production of a product the last thing you would like to do is add a decal that is bulky or has poor adhesion. Our decals can enhance your product with a zero profile painted on effect that is weightless. Whether you want the decal to sink into the grain or lay smoothy over a softer wood, we have a product that works for you.

Products

- Waterslide Transfers
- Dry-Rub Transfer



Clear Coat



Zero Profile



Cure



Foil



UV Resistant

POWDER COATED

TSL Graphics provides products that can withstand the high temperatures of a powder coating oven. The decals are applied to the surface prior to the final clear powder and then baked to produce a final result that looks like it is painted on or masked. Our decals are engineered so that whites do not yellow, adhesives do not peel, and top coats do not pool.

Products

- Solution Transfers
- PET Section
- Heat Resistant Section



Heat Resistant



Zero Profile



Sticker



Clear Coat

PLASTICS

Plastic comes in many diverse formulations and textures which makes it important to find the correct type of decal for each application. TSL Graphics provides a wide range of decals that are intended to yield strong adhesion with most types of plastics and textures. Along with our expert knowledge of decal application, we have the capability and experience to provide testing services which demonstrate that our decal technology and application processes can meet your unique product requirements.

Products

- Heat Transfers
- Vinyl Decals
- Die Cut Section



Heat Transfer



Sticker

AND MORE...

Our range of decals are designed to adhere to just about anything. Our team is available to do testing on your substrate to see what products and process would fit you best. Please just ask.

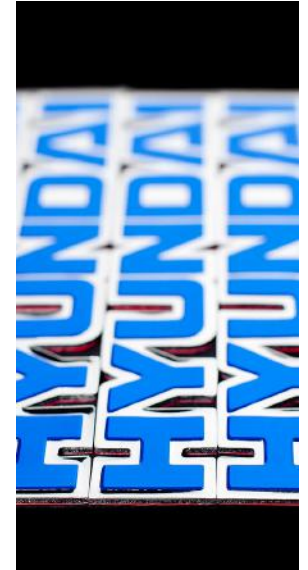
Other substrates we have had success with:

- Fiberglass
- Leather
- Fabric

PORTFOLIO









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