Who is Advanced Technology?

Advanced Technology is a manufacturer of MirroFlex decorative thermoplastic panels, FusionTech products and a distributor of NuMetal high pressure laminates. Our products are used in applications such as walls, wainscoting, ceilings, backsplashes, displays and furniture.

Headquartered in Greensboro, NC since 1979, ATI provides the hospitality, store fixtures, display and architectural & interior design markets with innovative solutions. Visit us online at advtechnology.com.

Advanced Technology and its partners are environmentally conscious companies. Please see our ‘Green Story’ on page 6.

ISO 9001: 2008 and 14001 Certified

HUB (Historically Underutilized Business) Certified

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SHOWN ON COVER AND OPPOSITE
Room Divider, LuxCore in Bamboo Rings, Green.
Walls, Shelves & Podium, FusionSwirl Omicron and Cirrus

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What is FusionTech?

The FusionTech process, as the name implies, is literally the fusing of color or an image into Aluminum, FRP (Fiberglass Reinforced Plastic), Glass, Ceramic, Wood and Fabric substrates. The process embeds the image in the product, leaving the properties of the substrate.

Choosing a design from our extensive image library or submitting your own for a custom look offers endless variety.

*Your imagination is the limit.*
**SHOWN** Room Divider, LuxCore in Bamboo Rings, Green

Walls, Shelves & Podium, FusionSwirl Omicron and Cirrus
As a 34 year old brand, we understand sustainability is a journey of ongoing improvement and innovation.

As an ISO 14001 certified company, we are committed to continual improvement through our life-cycle approach to manufacturing and quality product design. From our selection of raw materials and maximization of material yields through our manufacturing processes and end of life management strategies.

We are investigating alternate methods of minimizing our off-fall through “waste-to-profit” networking where our manufacturing waste becomes material for another product.

Our commitments don’t end at our door. We understand that our supply chain partners are part of our environmental footprint. We are working with our suppliers to reclaim their materials that go into our final product assembly – further minimizing the manufacturing waste that ends up in a landfill.
FusionSwirl is perfect for hospitality, store fixture, display, furniture and architectural & interior design applications. Several designs from our stock collection are shown in this brochure. Our stock collection is continuously growing; please see the website to view the complete FusionSwirl collection. Since this is part of our FusionTech process, the colors for any design can be changed. We are also able to create a custom design, including the addition of logos or other graphics. FusionSwirl contains a minimum of 40% post-consumer recycled content and can qualify for 2 Leed Credits under LEED V3 Section 4.2.
Odyssey

Flame
FS0800

Blaze
FS0801

Deep Sea
FS0802

Emerald City
FS0803

Jungle
FS0804

Plum
FS0805

Chroma

Doradus
FS0200

Omicron
FS0201

Orion
FS0202

Gamma
FS0203

Epsilon
FS0204

IMAGES SHOWN REPRESENT A 4’x10’ SHEET AT TOP WITH A DETAIL VIEW AT BOTTOM.
Nebula

Cirrus
FS0100

Ursa
FS0101

Canali
FS0102

Rosetta
FS0103

Papillon
FS0104

Tyco
FS0105

Helix
FS0106

Features

» Available in 4’x10’ x .032”, nominal, unbacked aluminum
» Ships with clear protective film for ease of handling
» Other swirl patterns are available, please inquire
» High abrasion resistance
» Scratch and chemical resistant properties; for vertical and light duty horizontal applications
» Can be applied directly to drywall
» Fabrication and installation sheets available
» Made in the USA in an ISO Certified facility

advtechnology.com/fusionswirl

IMAGES SHOWN REPRESENT A 4’X10’ SHEET AT TOP WITH A DETAIL VIEW AT BOTTOM.
SHOWN Omicron and Cirrus
As beautiful as they are, printed images and smaller physical samples will only give you a snapshot of the design. View the larger images on our website. 

www.advtechnology.com/fusionswirl

Larger physical samples are also available.

IMAGES SHOWN REPRESENT A 4”x10” SHEET AT TOP WITH A DETAIL VIEW AT BOTTOM.
Photo courtesy of Kenn Busch

Shown: Ursa

Shown: Counter front, Omicron
Tile

Tile colors can be changed and individual tile size, within a certain range, can be altered to fit your specifications.

TR Tile, 2", Copper
FS0300

TR Tile, 4", Copper
FS0301

TR Tile, 2", Black
FS0302

TR Tile, 4", Black
FS0303

TR Tile, 2", Golden
FS0304

TR Tile, 4", Golden
FS0305

Stone, 1.5", Harvest
FS0306

Art Glass, 2", Sedona
FS0307

Italian Glass, 1", Red/Yellow
FS0308

Italian Glass, 1", Blue/Green
FS0309

Images shown represent a 12"x12" section.

FusionSwirl images can also be used on other FusionTech substrates.
Stone

Bianco  
FS0400

Labrodite  
FS0401

Paradiso  
FS0402

Pearl  
FS0403

Images shown represent a 12”x12” section.  
See website for additional designs.

Abstract

Folds, Orange  
FS0500

Folds, Blue  
FS0501

Ore, Orange  
FS0502

Ore, Blue  
FS0503

See website for additional designs.  
FusionSwirl images can also be used on other FusionTech substrates.
Shown Upper Elevator Wall, Puzzle in Medium and Dark Cherry

Photo Courtesy of Young Elevator Cab Interiors
Metal

Aluminum
FS0600

Copper
FS0601

Graphite
FS0602

Bronze
FS0603

Images shown represent a 12"x12" section.

Impressions

Puzzle, shown in Medium and Dark Cherry
FS0700

Cross Sway, shown in Medium Cherry
FS0701

Chopsticks, shown in Snakewood
FS0702

Tree, shown in Dark Cherry
FS0703

Images shown represent a 12"x12" section.

See website for additional designs. All impressions designs can be produced with a variety of woodgrain patterns.
LuxCore

shown Bamboo Rings, Weathered

A new dimension in translucent laminates
LuxCore is a proprietary translucent FRP panel imaged with ATI’s FusionTech process. Available in endless combinations of designs and colors, LuxCore can be a translucent panel or, with an added backer, a laminate.

**LuxCore Translucent Panels** can be modesty panels, room dividers, door inserts, shower enclosures and other interior applications where translucency is desired.

**LuxCore Laminates** can be used as wainscot, wallcovering, table tops and other applications where high abrasion and impact resistance are required, such as hospitals, restaurants, retail stores, restrooms and elevators.

All LuxCore products pass sanitary codes, are easy to clean and are not damaged by water. They can be used for most vertical and horizontal applications.

Many of the stock images are shown here. Visit our website to see our complete line of stocked images or submit your own for a custom look.

IMAGES SHOWN VARY IN SCALE.
Our LuxCore product is translucent, by design, and works perfectly for applications where filtered light is desirable.

LuxCore is backed with white in applications where it is desirable to conceal the surface behind the product, as with a wall application.

*Please note that the stock images shown on pages 19-25 appear with a white backer, eliminating its translucent effect.*
Hardware

An extensive line of panel hardware is available including tracks, ceiling & floor connectors, wire and panel connectors.

www.advtechnology.com/luxcore/hardware

Standard Background Colors

The seven background colors shown can be added to any image. See example below. You can also reference a Pantone color to create your own custom look.

- Sahara Grey
- Golf Yellow
- Taiga Green
- Bristol Blue
- Malaga Red
- Riviera Purple
- Inca Orange
LuxCore
Tub & Shower
Walls

Shown: Walls, Stone Tile Laminate with Tuscany Art.
Door, Translucent Custom Wildgrass.
LuxCore Tub & Shower Walls are proprietary FRP laminates imaged with ATI's FusionTech process. Tub Walls are available as a kit or can be ordered in bulk. Shower walls and doors are custom cut for your application.

ATI’s FusionTech process allows virtually any image to be infused into LuxCore. See art requirements on the inside back cover or on our website.

Many of the stock images are shown here. Visit our website to see our complete line of stocked images.

Features

- Easy installation
- High chemical, scratch and impact resistance
- Impervious to water

Tub Walls Kit includes

- 2 Tub side panels (30" x 60")
- 1 Tub back panel (60" x 60")
- 2 Aluminum 5’ inside corner trim strips

advtechnology.com/luxcore
Corridor walls: FT004 Burnished Silver on Aluminum
Aluminum sheets have a satin finish and will keep their aluminum appearance. Aluminum is also available with a photo realistic process and is available in both gloss and matte finishes. The gloss finish is also dry erasable. Suitable for vertical and light duty horizontal applications. 4’ x 8’ sheets are coated with a scratch resistant proprietary coating and then images are added using the FusionTech infused color process.

FusionTech Aluminum has been used in many different applications; including walls, backsplashes, murals, artwork, signage and ceilings. FusionTech metal backsplashes have been approved by a number of house manufacturers for use in HUD certified designs calling for a limited combustible material. You can also choose a design from our Image Library or submit your own for a custom look. A stock line of designs on unbacked 4’ x 8’ sheets is available (see page 32).
SHOWN Backsplash, FusionTech on Aluminum
Wall mural: FusionTech on Aluminum

Shown: FusionTech on Aluminum
Durable and customizable

SHOWN Display Wall, FusionTech on Aluminum, FT005 Red Rust
Stock Aluminum

A stock line on unbacked Aluminum is available in 4’ x 8’ sheets. Sheets are coated with a proprietary coating and then images are added using the FusionTech infused color process. FusionTech Stock designs show the nuances of real wood, textured rust and other patterns. View the full sheet on our website to see the character of each design.
Shown Ceiling, FusionTech on FRP
FRP white panels can either be smooth or textured and are available in a variety of thicknesses and sizes. Images are added to the smooth FRP using our FusionTech infused color and coating process. FRP is also available with a photo realistic process and is available in both gloss and matte finishes.

This product is great for food preparation areas, bathrooms and other water environments. If you are tired of the traditional white, beige or gray FRP, this custom program is your answer.

The textured FRP is infused with a solid color and hundreds of colors are available.
Shown FusionTech on FRP
Shown Bartop, FusionTech on FRP (special order gloss finish)
Glass shown. Wall accents, FusionTech on Glass.
Glass can be imaged for backsplashes, tabletops, doors, countertops and wall applications. Beautiful solid color or translucent glass can also be created with our infused color process and translucent glass can be backlit.

Different types of glass can be utilized in our FusionTech process. Our customer service department can discuss different types of glass with you and determine what is best for your application.
Shown FusionTech on Glass
Shown Decorative Wall Panels, FusionTech on Glass
Ceramic
Ceramic Tile can be infused with your images or images from our library. FusionTech Ceramic Tile has been used in different types of applications, including floors, murals and signage.

Any size of ceramic tile can be imaged. You can spread your image over several tiles for a mural effect or have an image on each tile. When needed, tiles can be sequentially numbered on the back to ensure easy installation.
Fabric

*Shown Wall Mural,
FusionTech on Fabric*
Fabric with the FusionTech process is ideal for unique wallcoverings, furniture wraps, upholstery, artwork and displays. Several different weights and weaves of fabric are available.

Our stocked fabric exceeds 30,000 double rubs in the ASTM D-4157 abrasion test.

You can submit your own image or choose from our Image Library. Imagine creating a tapestry hanging or a wood veneer headboard for a fraction of the cost!

VeneerBric is a stocked program with 30 veneer images infused on fabric, creating a “fabric veneer.” See page 46.
Veneer Bríc

Shown: Walls, VB104 Birdseye, Medium
VeneerBric is ideal for unique wallcoverings, furniture wraps, upholstery and other interior design applications. Choose from our stock collection of veneers or submit your own for a custom look.

- Birdseye, Light VB103
- Birdseye, Medium VB104
- Birdseye, Green VB105
- Birdseye, Grey VB106
- Curly Maple, Medium VB110
- Cherry, Light VB123
- Cherry, Medium VB124
- Cherry, Dark VB125
- Cherry Plank, Light VB126

Images shown represent a 12" x 12" section.
Fiddleback Maple, Dark  
VB109

Fiddleback Maple, Light  
VB107

Fiddleback Maple, Medium  
VB108

Madagascar Ebony, Dark  
VB122

Madagascar Ebony, Light  
VB121

Notra, Dark  
VB120

Oak, Light  
VB127

Parquet, Blue  
VB100

Parquet, Gray  
VB102

Parquet, Red  
VB101

Rosewood Burl, Medium  
VB118

Santos Rosewood, Medium  
VB119

Snakewood, Medium  
VB116

Teak, Gray  
VB112

Features

- Sheet size is 58" x 120" nominal
- Fire retardant
- Chemical and stain resistant
- Easy fabrication
- Sound absorbing properties
- Made from recycled content and may contribute to LEED credits

advtechnology.com/fusionwood

IMAGES SHOWN REPRESENT A 12"x12" SECTION.
The Headboard was created by combining Medium and Dark Cherry onto one piece of fabric.
FusionWood

Suitable for furniture components, tabletops, walls, fixtures and other interior applications

Shown: Ceiling Panels, FusionWood
An image can be infused onto Plywood or Hardboard. Imaging the Plywood preserves the look and beauty of the wood and FusionTech on Hardboard shows a vibrant, photo realistic image.
shown Wall panels, FusionWood
Ordering Process

The FusionTech Family of Products is available in endless combinations. Different substrates, stock or custom images and type of installation will all affect the information needed during the ordering process. ATI's Customer Service Department can guide you through every step of the process. Our art requirements are shown on the following page and also on our website.

Custom images will require approved samples before production and additional charges may apply. There are no minimums for FusionTech orders and all items are made in the USA in an ISO Certified facility.

FusionTech is one of the many products from ATI. Please call or visit our website to see the following:

**MirroFlex**
MirroFlex Structures are decorated thermoplastic sheets that are 3-dimensioned by a proprietary process. MirroFlex is also available in flat sheets.

**NuMetal**
Aluminum, copper and stainless steel clad high pressure laminates.

Customer Service
800 849-1320

**Order Processing**
If received by 10:00 am, EST, most orders will be acknowledged on the same day. FusionTech products are made to order and lead times will vary. ATI’s minimum order amount is $25.00 USD.

**Return Policy**
Only stock items can be returned. These items must be returned within 30 days of ship date and will incur a 20% restocking fee.

**Cleaning & Care**
Due to the variety of substrates used, please see the Technical Specs on our website at advtechnology.com/resource-center.

**Storage**
Store flat and acclimatize in the same environment for at least 24 hours before fabrication.

**Conditions and Warranty**
Advanced Technology, Inc. believes all information contained herein to be correct. It is the responsibility of the fabricator/customer to completely test the adhesives and methods of fabrication to ensure that the results are satisfactory. ATI is not responsible for any fabrication or ancillary costs involved with using FusionTech products.

All shipments are to be inspected within 10 working days after delivery. We are to be informed in writing of any potential adjustment necessary. The seller’s only obligation will be to replace product on a one-to-one basis. Neither the manufacturer nor the seller shall be liable for any additional damage or loss, directly or indirectly, arising as a result of using FusionTech products.

Slight imperfections and color variations can occur and are considered normal. Please inspect each product carefully before fabrication to ensure it meets your needs.

Visit us online at advtechnology.com for the latest additions to the FusionTech Family of Products.
FusionTech™ Custom Production Art Requirements

Please provide the digital file in a 300 dpi resolution, RGB color and to avoid additional charges please provide the file full size at the size you wish to have it printed in final form. For example: If you wish to print a 48" x 120", best quality would be realized with a file @ 300 dpi 48" x 120" (14,400 x 36,000 pixels) RGB TIF format (or other accepted formats, see Accepted File Types section). If you cannot provide a full size image, you can get a reasonable quality in half size – if you provide a 300 dpi image done at 24" x 60" and we expand it to 48" x 120", the resolution on the finished piece will drop to 150 dpi. We recommend that you maintain at least 150 dpi, or order a sample for approval before running production at lower resolution.

Art Requirements:
We can accept artwork files that are generated from the following programs:
  - Quark Xpress
  - Adobe Illustrator
  - Adobe Photoshop
  - Adobe Acrobat (PDF)

Your document must provide bleeds if colors, images or graphic elements go to the edge of the final product. For bleeds, you must extend the artwork 0.125" (1/8th inch) beyond the final size. A text/content margin of 0.125" (1/8th inch) must be applied within the final size.

Accepted File Types
  - TIF
  - JPEG
  - EPS
  - AI CS4 or earlier
  - INDD CS4 or CS3

Electronic Layout Files:
We accept Macintosh files created with or editable by Adobe Photoshop® CS4 or lower, Adobe Illustrator® CS4 or lower, Adobe InDesign® CS4 or CS3. Please include all linked files, all screen and printer fonts with the high quality printout.

Documents should be created 100% to size, but can be enlarged as long as sufficient resolution is provided. All images should be RGB. We can read and write to CD or DVD.

Custom Spot Colors
For exact PMS color matches, we will be happy to provide our color charts for you to select from.

Suggested Color Space
We recommend Adobe RGB 1998 or sRGB.

Submission Methods:
FTP (Using FileZilla or another FTP client)
Host: advtechnology.com
User: advtechnology_comimages (capital I)
Password: mirroflex1979

Please put your name as part of your file name. Please send us an email once you’ve uploaded your file(s) with the project details, file name, and your contact info.

CD or DVD Discs
Advanced Technology, Inc.
Attn: Graphics Department
6106 W. Market Street
Greensboro, NC 27409
T: (336) 668-0488 or (800) 849-1320

Additional Charges
If artwork cannot be supplied as described above and additional computer work is required to produce the order, computer time will be billed at the following rates:

Minimum Charge $100.00 – up to 1 hour; $50.00 for each additional half hour

Please supply high quality “match to” outputs for 4-color images, PMS colors or swatches for spot colors. Crucial copy and signatures should be 1/4" from trim. Please maintain 1/8" bleed on all four sides to allow for cutting. All 4-color pixel artwork (Photoshop or other image applications) should be supplied actual size at 300 dpi or higher resolution. Enlargements require equally enlarged resolution.

Designers:
Smallest optimum size for copy is 12 point. Some fonts require a larger point size or bolding, especially if reverse copy is needed. Please provide type as “outlines” so that type conversion issues are avoided. If it is necessary to mix TrueType and Postscript fonts, please convert type to outlines.

Due to the thousands of existing fonts, we may not have the requested font in-house.

*Please note that Advanced Technology will not be held responsible for reproduction of smaller type than recommended.

Please send email correspondence to info@advtechnology.com

Innovation in Decorative Laminates

Visit us online at advtechnology.com for the latest additions to FusionTech.
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Photo courtesy of Kenn Busch

SHOWN Cabinets, FusionSwirl Pavo.
Column, VeneerBric VB114 Zebrano Medium