

## Innovation

*With a Human Touch*

— GCC holds 87 patents and 50 pending patents in various countries around the world. —



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# Unlimited Possibilities



Environmentally Friendly

## STELLARJET 250UV

- ▶ Dedicated White Ink
- ▶ Intelligent Auto Media Calibration (AMC™)
- ▶ Acceptable media thickness up to 50 mm
- ▶ Continuous Ink Supply System
- ▶ Hybrid Media Handling System
- ▶ Industrial Strength and Productivity

Member



STELLARJET

## Company Profile



● GCC-Taiwan

### A Truly Global Company

Since 1989, GCC has established itself as the industry pioneer in the fields of electro optics and color processing. GCC is recognized as having the most complete line of laser engravers, laser marking systems, cutting plotters, thermal transfer printers, and ID card printers in today's graphic processing industry.

GCC's President, Dr. Leonard Shih believes that "through innovation, our groundbreaking, state-of-the-art technology will open the doors to new opportunities and enable our customers to do more, with less." Over the years, GCC has established four corporate offices spanning the globe including offices in the United States, Europe, Taiwan, and China. The GCC team embraces diversity, employing people from various countries such as: the United States, Netherlands, France, Taiwan, China, Turkey, Mexico and more. The company respects the multicultural background and unique talents each team member contributes. GCC promotes a corporate culture that encourages and directs creativity towards the GCC goal of "Innovation with a Human Touch". It is with this spirit in which GCC presents the StellarJET UV Inkjet Printer...



● GCC-America

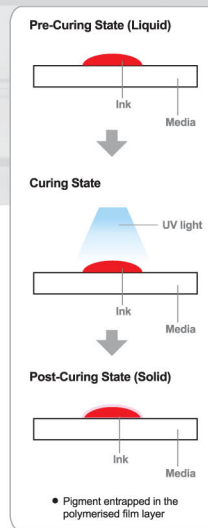


● GCC-Europe



● GCC-China

## UV Curing Principle



### UV Curing Technology

UV curing technology is specifically designed for the on-demand, graphic processing industries. In the UV curing process, special chemicals such as photoinitiators, monomers, oligomers and pigments are added to coatings, adhesives and inks. When these chemicals react with certain wavelengths of UV light, molecular linking occurs, resulting in superior adhesion and better-quality printing.

#### Features and benefits of UV curing technology:

- Better color gamut and improved adhesion.
- Well-formulated UV ink dries instantly, increasing productivity.
- Minimal print head purging frequency drastically cuts ink running costs.
- Reduced irritants minimize the discomfort and irritation of operating personnel.
- Environmentally Friendly - UV inks produce no volatile organic compounds (VOCs).

# Benefits

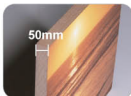
Utilizing six ink colors in addition to white, the StellarJET UV is the ideal large-format printer for interior / exterior signage, screen-printing, point of purchase advertisements, vehicle graphics, display graphics, posters, exhibitions graphics, backlit displays, rigid boards, construction materials and more.

## Quality Printing

The StellarJET UV Inkjet Printer offers high output quality through a great color gamut and superior adhesion. In addition, the outstanding UV curing technology is the result of vivid yet durable inks. The StellarJET UV delivers consistent quality digital print results and is the perfect solution for immediate short-run print jobs.

## Diverse Range of Printable Media

The StellarJET UV allows users to print across a wide range of substrates and media. Equipped with flatbed and roll-to-roll media handling systems, the StellarJET UV prints on both rigid and flexible media up to 50mm thick. Ideally suited for many new industries including interior decoration and furniture.



## Industrial Strength and Productivity

Instant-drying UV ink ensures high productivity, while the dual UV lamps allow for bi-directional image printing, taking productivity to the maximum. Moreover, the modular printheads, intelligent auto media calibration (AMC™), and continuous ink supply system guarantee efficiency during and in-between print jobs. The automatic service station design provides user the optimal production power for precise results with the capacity of industrial strength and productivity.

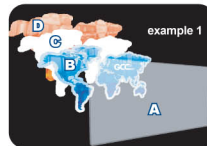
## Environmentally Friendly Solution

The StellarJET UV Inkjet Printer is truly an environmentally friendly print solution compared to many solvent printers on the market. The UV curable inks used with the StellarJET UV Inkjet Printer produce no volatile organic compounds (VOCs) and the UV printed stock can be pulped and recycled. While special chemicals in the StellarJET UV ink eliminate potential irritants to operating personnel.

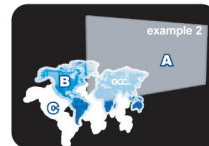
## Unique White Ink Application

StellarJET UV Inkjet Printer offers three major white ink applications: base, overcoat, and spot color. Utilizing white ink as a base is the most common application for dark or transparent substrates. Applying white ink as an overcoat allows you to design a two-sided image, viewable through transparent media. White ink can also be used as a spot color to highlight and present the most vivid of graphics.

### White as an Overcoat

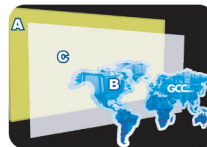


- A. Transparent media
- B. Reverse image
- C. White base
- D. Overcoat image



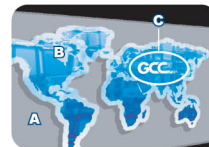
- A. Transparent media
- B. Reverse image
- C. White base

### White as a Base



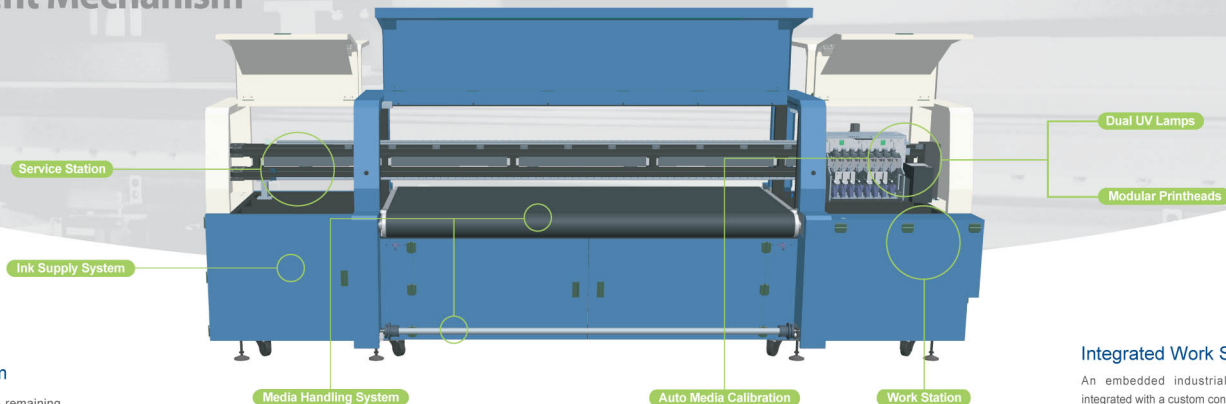
- A. Dark media
- B. Color image
- C. White base

### White as a Spot Color



- A. Transparent media
- B. Color image
- C. Spot color

# Intelligent Mechanism



## Continuous Ink Supply System

Continuously monitors the remaining ink levels for each color container on the printhead carriage and automatically refills nearly depleted containers from a self-contained ink supply tank. This guarantees a stable supply of inks during a print job; never again worry about running out of ink in the middle of a print job!



## Hybrid Media Handling System

StellarJET is equipped with both flatbed and roll-to-roll media handling systems, which allows for printing across a wide range of rigid and flexible media to be more competitive for boosting your business.



• Flatbed



• Roll-to-roll

## Multi-function Service Station

The service station is specifically designed for easy and convenient access to the printheads for cleaning, purging, and servicing operation. This feature allows StellarJET has productivity of industrial strength.

## Modular Printheads

Increased efficiency through precise adjustments of the printheads. Also allows for easy and convenient maintenance of the printheads.



## Dual UV Lamps

Two UV lamps allows for bi-directional, high-speed image printing. Each UV lamp is fitted with an auto-shutter to shield printheads from stray UV rays.

## Auto Media Calibration (AMC™)

The auto media calibration pin automatically detects and gauges the distance between the print heads and loaded media then automatically adjusts to the optimized print height based on the thickness of the loaded media.



## Integrated Work Station

An embedded industrial computer integrated with a custom control interface manages all functions of the StellarJET. Operate and print selected graphics via a few button clicks. The ergonomic design of the extended workstation platform allows for easy operation of the StellarJET UV inkjet printer.



# Applications

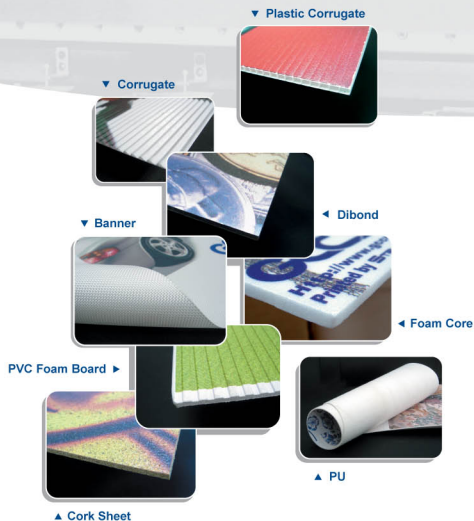
## Materials

### Versatile Applications

The StellarJET UV Inkjet Printer is able to print graphics across a wide variety of materials, such as acrylic, corrugated board, canvas, aluminum, steel, tiles, plastic, wood, leather, glass, mesh, fabric, vinyl and many more. A wide diversity of printable media positions the StellarJET as the ideal choice for maximizing profitability and generating new business opportunities.

### Environmentally Friendly

UV curable inks produce no volatile organic compounds (VOCs). UV printed stock can be pulped and recycled.



#### Printable media :

Acrylic, Plastic Corrugate, Foam, Foam Core, Corrugate, PVC Foam Board, Cork Sheet, Banner, Aluminum, Glass, Carpet, PU, Leather.

## Applications

Advertising & Signage | Consumer Electronics | Consumer Accessories | Decoration | Interior & Exterior | Screen Printing





# Specifications

# Customer Care

## StellarJET 250UV

● <b>Print Speed</b>	● High Quality mode	○ 7.8 m <sup>2</sup> (84.2 feet <sup>2</sup> ) per hour, color image on vinyl
	● Production Mode	○ 15.5 m <sup>2</sup> (167.4 feet <sup>2</sup> ) per hour, color image on vinyl
	● Normal Mode	○ 21 m <sup>2</sup> (226.8 feet <sup>2</sup> ) per hour, color image on vinyl
	● Fast Mode	○ 41.8 m <sup>2</sup> (451.4 feet <sup>2</sup> ) per hour, color image on vinyl
● <b>Printer Resolution</b>		○ 360 dpi x 360 dpi, 720 dpi x 720 dpi (apparent)
	● <b>Printing</b>	○ Piezo
● <b>Printer Dimensions</b>	● Technology	○ C, M, Y, K, Lc, Lm, W1, W2
	● Print cartridge colors	○ UV curable inks
	● Ink types	○ 40 pl for C, M, Y, K, Lc, Lm/ 80 pl for W
	● Ink drops	○ 5 Liter for each color
	● Ink capacity	○ 500 nozzles per head x 8 colors
	● Nozzles	○ 2500 mm (98.4 in.)
	● Print width	
● <b>Weight</b>	● Printer (L x W x H)	○ 4938 mm x 1480 mm x 1675 mm (194.4" x 58.3" x 65.9")
	● Shipping (L x W x H)	○ 5300 mm x 1850 mm x 2200 mm (208.7" x 72.9" x 86.7")
	● Printer	○ 1600 kg (3,527 lbs)
	● Shipping	○ 2600 kg (5,732 lbs)
● <b>Media</b>	● Handling	○ Conveyor/ Roll-to-Roll
	● Thickness	○ Up to 50 mm (2.0 in.)
	● Max. Width	○ 2550 mm (100.39 in.)
	● Max. Weight	○ Up to 40 kg/ m <sup>2</sup> (88 lbs), Up to 100 kg (220 lbs) On board media handling system 20 kg (44 lbs)
	● Interface	○ Ethernet 10/100/1000 Base T
● <b>File Formats</b>		○ All popular graphic file formats (JPEG, TIFF, EPS, PSD, EMF, WMF, PNG, PCX, TGA)
● <b>Power Supply</b>		○ 200-240 VAC, 15A, 50 Hz or 60 Hz

Specification subject to changes without prior notices.

At GCC, we value each customer as an important individual. This mentality is the basis for every decision we make, from machines that are designed with the customer in mind to dealers that make customer satisfaction their priority. We persistently seek better ways to connect with our customers, understand their needs, how they use technology, and provide them value through support. With our headquarters located in Taiwan, GCC has corporate offices in the United States, China, the Netherlands, and over 247 locally authorized distributors throughout the world.

This broad global approach inspires us to treat GCC customers with respect and always go the distance to resolve a customer's problem. Our recently-launched online customer service center - **GCC Club** (<http://vip.GCCworld.com>) is dedicated to assisting GCC customers. Customers are able to download updated firmware, drivers, clipart and other useful information. The interactive FAQ section allows customers to share feedback and receive answers in a timely manner. In addition, the most-recent user manuals, product videos and operational tips are available for all GCC customers online.

GCC along with branch offices and global distributors conduct regional training periodically. We not only share the techniques and tips of machine operations, but also collect the feedback from GCC customers. The local direct phone service serves as a daily customer service for emergency requests.

