



*Gardens Imaging Solutions, Inc.*

*Introduces  
Canon Colorado  
utilizing UVgel Technology*

### *The advantages*

The UVgel process brings with it multiple productivity and quality benefits:

- The use of the gel rather than ink prevents any ink from merging, delivering high quality images and very precise dot gain.
- With a precise dot gain, ink can be deposited in fewer passes resulting in enhanced productivity, speed, and color accuracy.
- The gel produces low-odor prints, great for applications used indoors.
- The need for immediate curing is removed, meaning productivity is greatly increased.
- Prints are instantly dry, requiring no evaporative drying process.
- The prints are produced at a low temperature

The prints are very robust, reducing the need for lamination.



# Introducing Colorado Imaging Solutions

by: **Canon**

CANON SOLUTIONS AMERICA





*Gardens Imaging Solutions, Inc.*

## *Colorado utilizing UVgel Technology*

## *Colorado utilizing UVgel Technology*

### **How is UVgel different to traditional UV?**

When printing with traditional UV, images are often left with an uneven surface, due to the different layers of ink curing at different times. UVgel technology however separates the printing and curing process, meaning that the UVgel has time to settle, creating a smooth, flat layer. This creates a high-quality finish that's perfectly suited for lamination, if required.

### **How does UVgel benefit your application versatility?**

#### **Low heat process**

UVgel technology uses a low heat process, with UVgel ink drops deposited onto the substrate at 24-28 degrees. The technology uses LED-curing, meaning no heat is required for drying and prints are instantly dry when cured. UVgel technology is ideal for applications requiring high geometric accuracy such as wallcoverings and is well suited to lower-cost applications on inexpensive, thin media.

#### **No water content**

Compared with other technologies, UVgel doesn't contain any water, improving the dimensional consistency by eliminating the problems associated with the swelling of media. Due to its excellent interaction with a variety of substrates, including heat sensitive media, UVgel is inherently versatile for a wide range of indoor and outdoor applications

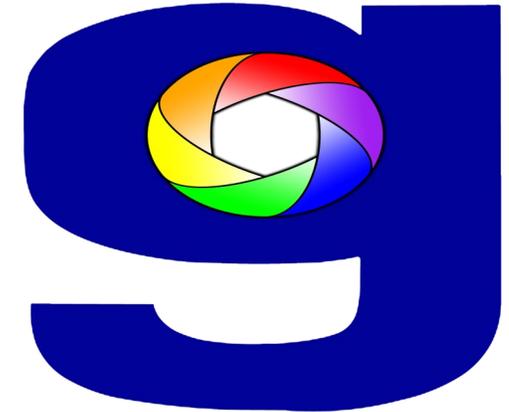
#### **Durability**

The finished LED-cured images are highly durable, making the UVgel technology suitable for outdoor work and applications. Its prints offer improved levels of outdoor UV light fastness, abrasion resistance and are easily washed, compared with other standard technology inks.

#### **FLXfinish technology**

Along with UVgel technology, the Canon Colorado series also provides FLX finish technology. This unique technology enables the production of both high gloss and smooth, velvety matt prints, without the need for changing ink or media.

**Gardens**  
*Imaging Solutions, Inc*



**Serving Design Professionals since 1919**

### **What is UVgel technology?**

UVgel technology is a new and innovative process specially developed to combine excellent printing quality, high performance and fast drying time, all in one process. A breakthrough in printing performance, the UVgel technology eliminates any compromises you'd typically make when choosing from latex, eco-solvent, or conventional UV solutions.

### **How does it work?**

Rather than printing with traditional inks, the technology heats UVgel inside the piezo-electric print-heads and turns the gel into a liquid. The controlled platen maintains the substrate at 28 degrees, irrespective of environmental factors. Once the gel has made contact with the media, it returns to its gel state and is 'pinned' to the media, assisted by a partial LED 'pre-cure' process. The image is then formed and gelled onto the media, with full LED curing then taking place.

### **Why is it important?**

The large format graphics market is rapidly changing, and consumers are now expecting faster turnaround times and increasing their volumes. These consumer changes remain key drivers for businesses investing in new technologies in order to solve current issues within their operations. Canon's new UVgel technology is the market leading solution for high productivity and efficiency, offering no compromises around quality and durability as a result.



**Dedicated To Providing "Tomorrow's Technology For Today's Imaging Needs"**  
**Serving Design Professionals since 1919**

**Announces the NEW**  
**Canon Colorado 1630**  
**Wide Format Hi Resolution 64"**  
**Color Printer**

**6913 Belair Road**  
**Baltimore, MD 21206**  
**Ph: 410-539-2763**  
**Fx: 410-539-7308**

**Web:**

**[www.gardensimagingsolutions.com](http://www.gardensimagingsolutions.com)**

**E-mail:**

**[prints@gardensimagingsolutions.com](mailto:prints@gardensimagingsolutions.com)**