

TECGLASS

DIGITAL GLASS PRINTING BY FENZI GROUP

Digital Glass Printing by Fenzi Group

Newsletter

May 2026



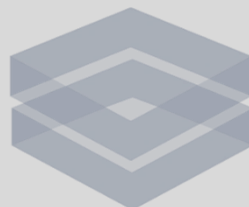
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Leading Technology to Print the Future

GO DIGITAL

20 + Years of Experience
World-Leading Proven Technology
Innovation & Development
transferred into a reliable and unprecedented
industrial digital printing process on glass !



From the Factory Floor -Where It Really Happens!



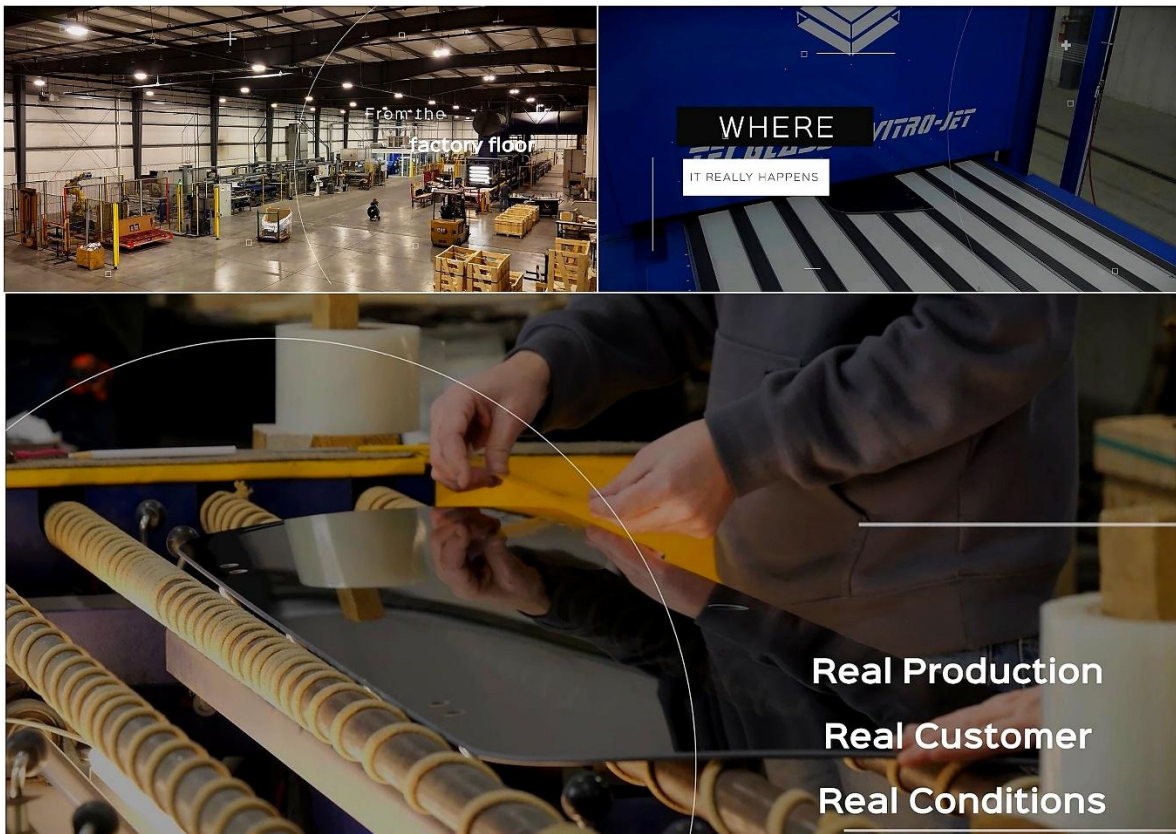
Real production. Real customers. Real conditions.

In today's industrial landscape, where performance, reliability, and scalability are non-negotiable, seeing technology in controlled environments is no longer enough. Decision-makers demand proof — not promises.

With this in mind, we are proud to introduce our new campaign for 2026: **“From the Factory Floor — Where It Really Happens.”** A video series designed to take you beyond demonstrations and into the heart of real manufacturing operations.

This initiative offers a transparent and unfiltered view of our digital glass printing technology operating exactly where it matters most: on active production lines, within real customer facilities, under true industrial conditions.

No simulations. No staging. No scripts. Only real workflows, real challenges, and real performance.



A Campaign Built on Proof

Each episode in this series is filmed directly at our customers' sites, showcasing how our solutions integrate seamlessly into demanding production environments. These are not controlled test scenarios — they are fully operational factories running at capacity.

The objective is clear: To demonstrate, with tangible evidence, the reliability, efficiency, and scalability of our technology in everyday industrial use. Backed by more than two decades of experience in digital glass printing, our solutions have been developed, refined, and validated alongside our customers — ensuring consistent, high-quality results in even the most demanding applications.

Episode 1: Now Live

We have officially launched the first episode of the series, featuring our customer AND one of our key-partners in North America, **Paragon Tempered Glass LLC- USA** - a pioneer in investing in industrial-level digital printing technology with Single-Pass systems.

For this first special feature, they have opened the doors of their impressive Antwerp facilities in Ohio, where two of the North American company's three **Tecglass Vitro-Jet Single Pass Evolution digital printing lines**, are fully installed and playing an integral role in their everyday printed glass production. This initial release provides an inside look at how our technology performs in a real-world, high-throughput production environment for transportation glass business sector.

It sets the tone for what this campaign represents: **Authenticity, transparency, and proven industrial performance.**



If you missed it, we invite you to revise it via the following link:

[Episode 1: From the factory Floor -Paragon Tempered Glass LLC](#)

Paragon Tempered Glass website: <https://paragontemperedglass.com/>

What's Coming Next

The journey does not stop here. Throughout the year, we will continue to expand the series with new episodes, each highlighting different customer environments and production challenges and applications:

- **Episode 2** - launch date in May
- **Episode 3** - launch date in July
- **Episode 4** - launch date in September
- **Episode 5** - launch date in October
- **Episode 6** - launch date in December

Each episode will bring new insights, new applications, and further evidence of how digital printing technology is transforming glass manufacturing at scale.

Proven Technology. Real Impact.

At the core of this campaign lies a simple message: Technology must perform where it counts.

By opening the doors to real factories, we aim to remove uncertainty, address industry questions, and provide clear, factual insight into what our solutions can deliver — not in theory, but in practice.

As a family-driven company, what truly fulfills us is seeing our digital printing lines running successfully at our customers' facilities. That moment — when installation becomes production — makes every effort worthwhile. That's where real partnerships are built and real success stories begging.

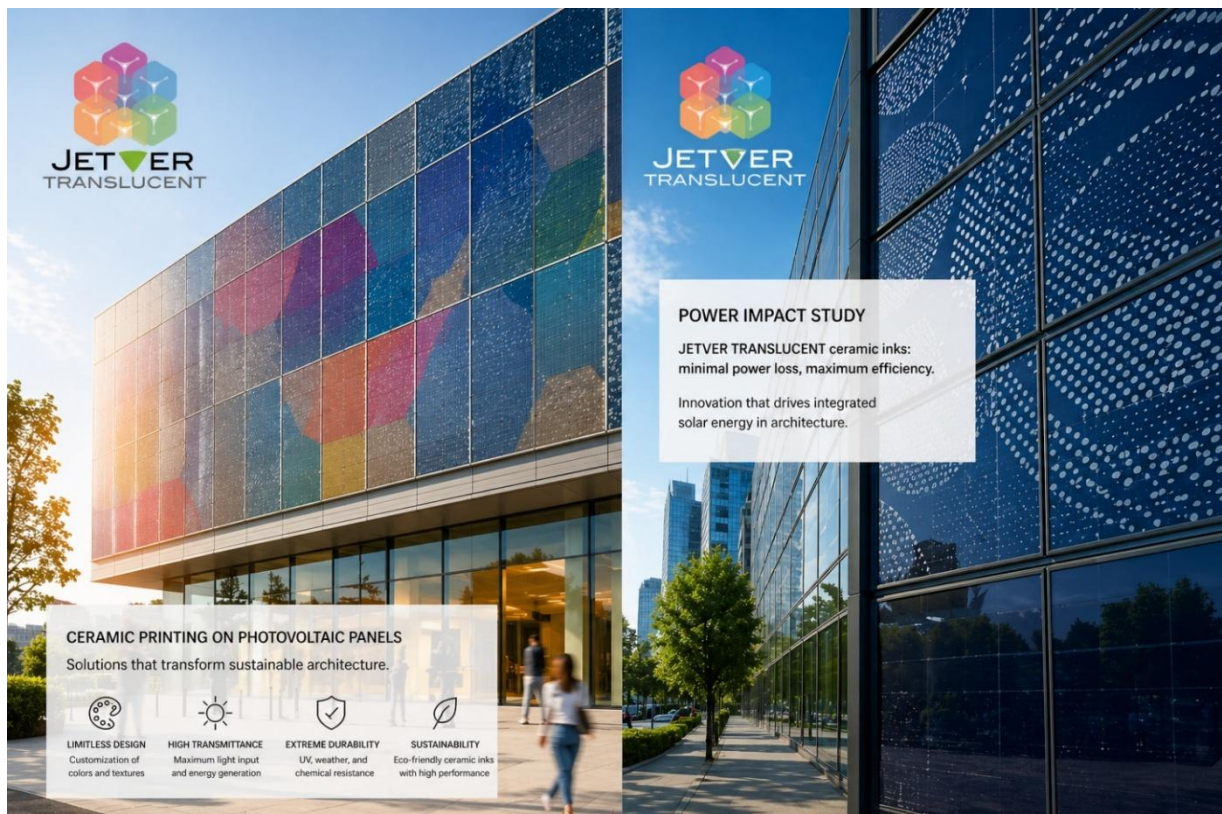


Stay tuned for upcoming episodes and discover how innovation meets reality - Go Digital !

Tecglass Digital Ceramic Printing: Transforming the Aesthetics of Solar PV Modules.

The solar photovoltaic (PV) industry is experiencing unprecedented growth, driven by the global transition toward renewable energy and sustainable solutions. As this market evolves, manufacturers are increasingly seeking ways to differentiate their products beyond traditional, standardized designs. In this context, digital printing technology with ceramic inks is emerging as a key enabler—unlocking new possibilities that combine high performance with advanced aesthetics.

At the forefront of this transformation is TECGLASS, a specialist in complete digital printing systems for flat glass. Through continuous innovation, TECGLASS is empowering solar module manufacturers to achieve an optimal balance between energy efficiency and visual appeal.



A Growing Market Demanding Innovation

The rapid expansion of solar energy applications—ranging from large-scale installations to building-integrated photovoltaics (BIPV)—is driving demand for more versatile and visually appealing solutions. Architects, designers, and developers are no longer satisfied with conventional panel appearances; instead, they seek customized designs that seamlessly integrate into modern environments.

Digital ceramic printing technology answers this demand by enabling manufacturers to move beyond uniform, standard panels and deliver differentiated, high-value products tailored to specific applications.

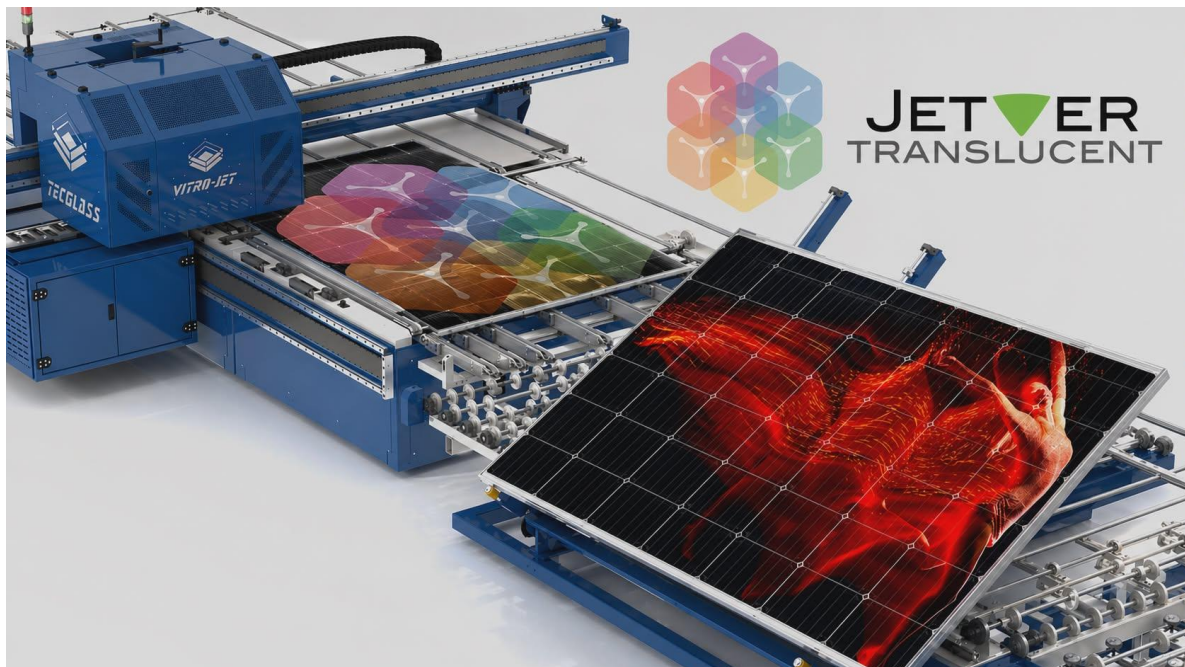


Jetver Translucent: Performance Meets Design

TECGLASS has developed an exclusive range of ceramic inks, Jetver Translucent, specifically engineered for solar PV applications. These inks represent a significant advancement in the decoration of photovoltaic glass, offering:

- **A wide spectrum of vibrant, customizable colors**
- **Exceptional surface finish without pixelation**
- **Minimal ink deposition levels**

Most importantly, **Jetver Translucent inks** are designed to **maximize light transmission, thereby reducing energy losses to a minimum**. This is a critical factor in solar applications, where maintaining module efficiency is paramount.



Proven Efficiency Through Independent Research

To validate the performance of its technology, TECGLASS conducted an in-depth study titled "Evaluation of Colored Glasses for PV Applications" in collaboration with the renowned **Fraunhofer CSP institute**.



This comprehensive research analyses the impact of different ink configurations on solar module efficiency, confirming that Jetver Translucent inks optimize the balance between decoration and energy output.

The study by the Fraunhofer CSP Institute is available for review by anyone interested—just ask us !

Key Advantages of Digital Ceramic Printing in Solar PV

The adoption of digital printing technology with ceramic inks brings multiple advantages to solar module manufacturers:

- **Unlimited Design Freedom**

Fully customizable patterns, colors, and gradients enable unique product differentiation.

- **High Transmittance**

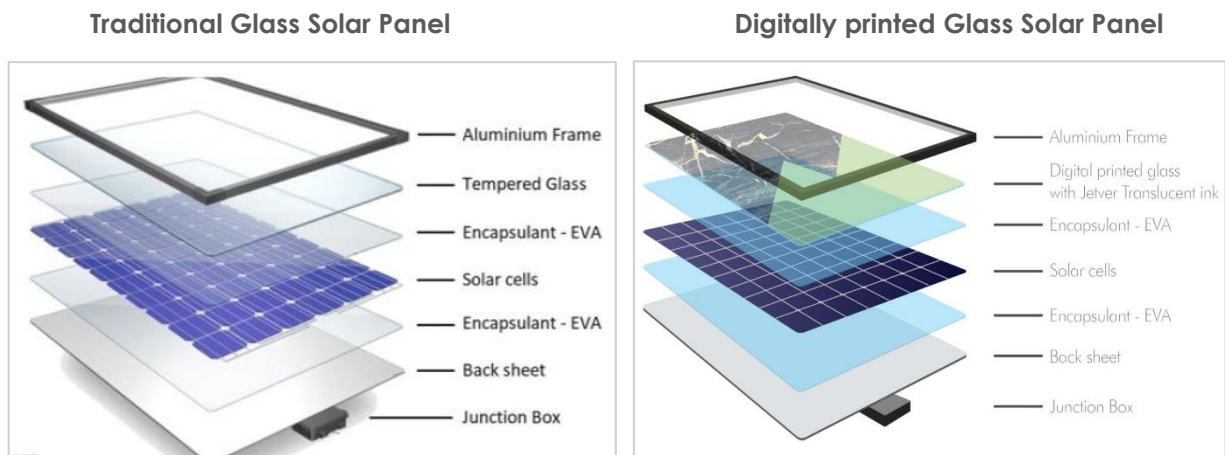
Advanced ink formulations ensure optimal light passage, preserving panel efficiency.

- **Outstanding Durability**

Ceramic inks offer long-term resistance to environmental conditions, ensuring performance and appearance over time.

- **Enhanced Aesthetic Possibilities**

Manufacturers can achieve a perfect balance between design and functionality, creating visually appealing panels without compromising energy yield.



Efficiency colour test, proves that digitally printed glass on solar cell, preserve efficiency from 80% to 95%, depending on the colours applied.

Shaping the Future of Solar Design

As the solar industry continues to expand, the integration of digital ceramic printing is set to play a fundamental role in its evolution. TECGLASS is committed to supporting this transformation by providing cutting-edge technology and materials that enable manufacturers to innovate with confidence.

By combining performance, durability, and design flexibility, Jetver Translucent inks open the door to a new generation of solar modules—where energy efficiency and aesthetics coexist seamlessly.

Digital Glass Printing – The New Era of Stained Glass

The stained glass industry is entering an exciting new chapter, driven by the power of digital ceramic printing. Forward-thinking studios, like **Window Creations LLC**, are embracing this cutting-edge technology to enhance and complement traditional craftsmanship—combining centuries-old artistry with the limitless possibilities of modern innovation.



Digital Glass Printing is not here to replace tradition, but to elevate it.

By integrating both approaches, studios can unlock new creative freedom while maintaining the authenticity and beauty that defines stained glass.

We firmly believe that digital ceramic printing is shaping the future of this art form. It empowers you to bring your most ambitious designs to life in a cost-effective way without compromising on durability, performance, and visual impact.

Why Choose Digitally Printed Stained Glass ?

- **Unmatched Image Quality:** Achieve exceptional detail, vibrant colors, and smooth transitions that are difficult to replicate with traditional methods. The result is a clean, uninterrupted visual experience without the need for lead lines or support bars
- **Lead-Free:** Say goodbye to lead and cement. Digitally printed art glass creates panels that are not only environmentally conscious but also virtually maintenance-free—eliminating costly restoration work.
- **Faster and easier installation:** These panels can be installed by standard commercial glazing professionals, reducing time and complexity on-site.
- **Strength meets safety:** Produced using tempered safety glass, these panels offer superior durability and resilience.
- **Beautiful from every angle:** Thanks to its light-transmitting properties, digitally printed glass delivers stunning visuals from both sides—unlike traditional stained glass, which can appear dark from the exterior.

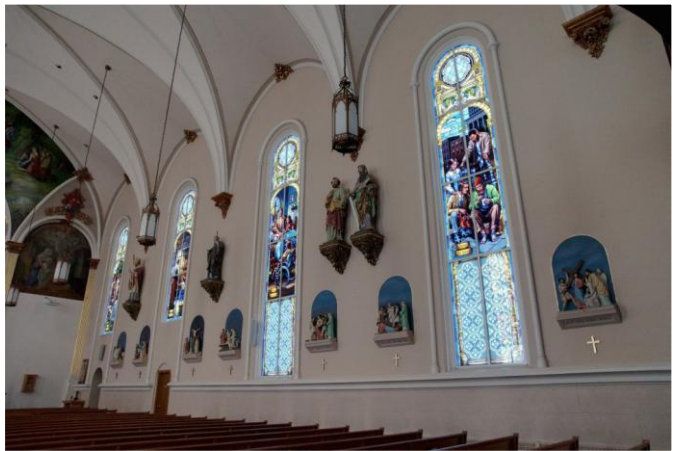
To see the true potential of this technology in action, we are proud to partner with **Window Creations LLC**—a multi-generational, full-service stained glass studio known for its expertise in stained glass, storm glazing, custom aluminum framing and restoration of wood framing.

One of their most inspiring recent projects was commissioned by All Saints Parish in New Riegel, Ohio. The goal was to design an entirely new series of stained glass windows inspired by Matthew 25:31–46.

In a bold and meaningful departure from tradition, the Parish envisioned figures dressed in contemporary clothing—serving as a powerful reminder that faith and service belong to the present day. The scenes also reflect people from diverse backgrounds, celebrating the inclusivity and richness of the modern Church.

This project beautifully demonstrates how digital ceramic printing can expand artistic boundaries while preserving the emotional and spiritual depth that makes stained glass unique.

Glazier/Installer - Window Creations LLC (<https://bstudios.net/>)



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