

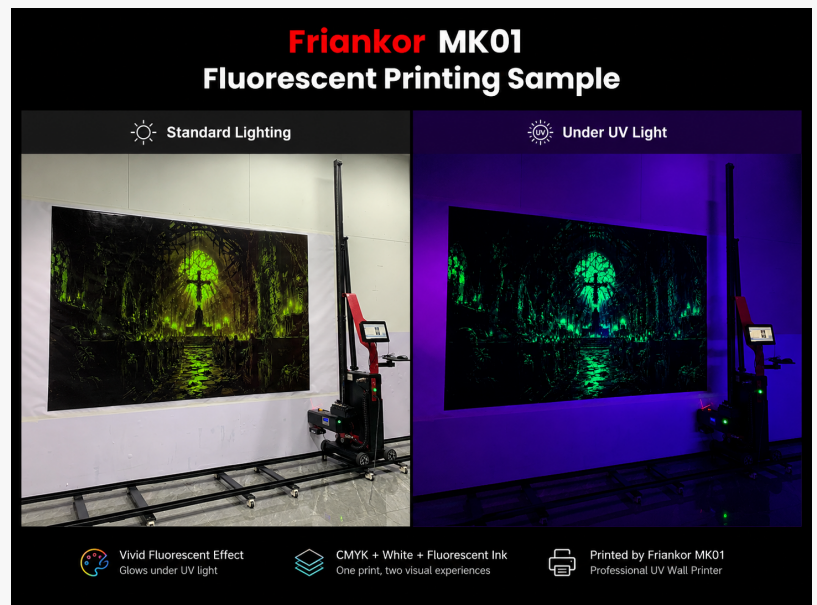
Friankor Redefines Wall Printing with Fluorescent Ink and Varnish Technology

The Friankor wall printers with fluorescent ink and varnish, expands beyond CMYK, creating new visuals for commercial, specialty, and creative interiors

NANJING, JIANGSU, CHINA, September 3, 2026 /EINPresswire.com/ -- [Friankor](#), a manufacturer specializing in digital wall printing equipment, has introduced fluorescent ink and varnish printing to its [wall printer](#) platform after an extended period of R&D and application testing.

Friankor is among the early wall printer manufacturers to integrate fluorescent ink and varnish printing into commercial wall printing machines. By bringing fluorescent ink and varnish applications from conventional UV printing into vertical wall printing, Friankor is expanding how wall printers can work with color, light, and surface finish.

Traditionally, wall printers have focused on transferring digital artwork directly onto walls with greater speed, precision, and consistency. As printing technology, RIP systems, and specialty ink applications continue to evolve, wall printing is moving beyond conventional image reproduction toward more diverse visual effects and



The fluorescent patterns printed by the Friankor MK01 wall printing machine will glow under ultraviolet (UV) light.



The Friankor MK01 varnish wall printing machine produces brighter and more durable patterns.

surface finishes.

Friankor's fluorescent ink and varnish applications represent two areas of this ongoing development.

Fluorescent Ink Creates Different Visual Effects Under Different Lighting

Unlike conventional CMYK printing, fluorescent ink's main value isn't simply increased color saturation. Instead, it lets selected elements of a printed image respond differently under UV light.

Under normal indoor lighting, the wall graphic retains its standard colors, details, and overall composition. Under UV light, the fluorescent pigments become more prominent, creating a distinctly different appearance.

This makes fluorescent wall printing particularly suitable for spaces where lighting plays an important role in the overall design, including bars, KTV venues, gaming rooms, themed restaurants, lifestyle stores, exhibitions, and immersive entertainment environments.

Designers can combine conventional lighting with UV lighting to create two visual experiences on the same wall, making a printed mural a more dynamic part of the surrounding space.

Fluorescent ink is currently available on the Friankor MK01 Wall Printer, supporting three fluorescent colors: red, green, and orange.

Varnish Printing Brings Proven UV Flatbed Finishing Techniques to Wall Printing

Friankor has also introduced varnish printing to its wall printer platform.

Currently, both the Friankor MK01 Wall Printer and the MK02 Wall and Floor Printer support varnish printing, allowing users to apply a transparent finishing layer to either the entire printed area or selected parts of an image.

Varnish itself is not new to digital UV printing. In established UV flatbed and related UV printing applications, varnish is widely used to enhance surface gloss, texture, and visual depth.

Friankor has adapted this finishing method for wall printing, giving wall printers more options for



The wall printing machines display in the Friankor factory

both conventional walls and specialty materials.

Unlike CMYK inks or white ink, varnish isn't used to add another color. It is applied as a transparent finishing layer after printing the CMYK+W image.

Depending on the project, you can apply varnish across the entire printed area or only to selected elements.

For a full-wall project, a varnish layer can create a more consistent glossy finish across the image. For logos, lettering, patterns, or specific design details, selective varnish can create differences in reflection and visual depth.

This capability is particularly useful when printing on specialty surfaces such as glass, tile, metal, and wood.

Wall printers can already print UV graphics directly onto many nontraditional wall surfaces. Adding varnish brings the finishing process closer to the workflow commonly used by UV flatbed printers on specialty materials.

For commercial signage, interior decoration, glass artwork, decorative tile, and custom design projects, varnish gives wall printing businesses another way to match the final surface appearance to the project's needs.

From Image Output to a Broader Visual Experience

The development of fluorescent ink and varnish also reflects a broader shift in wall printing technology.

Digital wall printing originally focused on one primary challenge: transferring customized digital artwork quickly and accurately onto surfaces such as painted walls, concrete, brick, wood, glass, and tile.

Today, the technology is beginning to explore what can happen beyond the printed image itself.

Fluorescent ink produces a distinct fluorescent effect under UV light. Varnish adds a transparent finishing layer that enhances surface gloss and overall visual appearance. Multi-layer white ink printing can also create 3D embossed effects with subtle physical depth and texture.

Together, these applications expand the range of visual and surface effects that wall printers can produce.

From R&D to Application Testing

Friankor has focused on researching, developing, manufacturing, and application testing digital wall printing equipment for several years. Its work covers mechanical design, printing control, RIP systems, and testing for different wall printing applications.

The company operates dedicated testing and sample-printing rooms where it can evaluate new printer configurations, ink applications, and printing results under practical conditions.

Every Friankor wall printer undergoes inspection and sample-print testing before shipment to verify machine operation and print performance.

For specialty ink applications, Friankor does more than simply add another ink type to the printer. The company tests the ink alongside printhead configurations, RIP control, print parameters, and real-world application requirements to improve consistency across the entire printing workflow.

Friankor's current product lineup includes the MK01 Wall Printer, designed around portability and stability for on-site wall printing, and the MK02 Wall and Floor Printer, which features Friankor's one-click switching system for changing between wall and floor printing modes.

About Friankor

Friankor specializes in the development, manufacturing, and sales of digital [wall printing machine](#).

The company has focused on wall printer development for approximately five years and reports cumulative deliveries of more than 2,000 machines.

In addition to equipment development, Friankor provides technical training, remote support, spare parts and consumables, application guidance, and business support for wall printing professionals and entrepreneurs in international markets.

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