

# ImagePrint UV with Pedestal AI

The First AI-Based Photo-Realistic Texture Generator for UV 2.5D Printing



Success made simple.

Co-Developed with ColorByte Software | Authorized Reseller Brochure



## Bring Your Prints to Life

Fluid Color is proud to be an authorized reseller of ImagePrint UV, collaborating directly with ColorByte Software on the development of Pedestal AI — a purpose-built solution for ADA-compliant Braille signage and photo-realistic 2.5D texture printing. Together, we combined Fluid Color's deep experience in UV flatbed production workflows with ColorByte's industry-leading RIP technology to deliver a tool that removes the guesswork from textured and tactile printing.

Pedestal AI analyzes your artwork and automatically builds realistic height maps and texture depth — letting your graphics rise off the substrate with photo-realistic accuracy, instantly and intelligently.

Accepted Inputs	Delivered Output
Flat images (TIFF, JPG, PSD, PNG) or vector/graphic files (PDF, SVG)	Dimensional, textured UV print files — fully RIP-ready, with automatically generated height channels

## Smarter Texture Creation, Zero Manual Setup

ImagePrint UV's intelligent rendering engine controls spot color channels and print layers in real time. Watch flat files gain depth, detail, and definition — no manual channel setup, layer separation, or texture mapping required. Pedestal AI handles the hard work so your operators can focus on production throughput rather than file preparation.

### Key Advantages

- Maximum ink channel utilization for faster builds
- Automatic height calculation removes guesswork
- Finish options: White, Black, or Clear
- Fast Texture Modes auto-optimize all available ink channels
- Reduced print times without sacrificing surface detail
- Consistent, repeatable results across multi-job production runs

## Accessibility & Precision Built-In

**Engineered Braille Dots** — Precise, durable, and optimized for high-production workflows, with RIP-level translation support for accurate dot height, spacing, and dome profile on every run.

**Integrated Cut Path Creation** — Automatically generate cut lines for laser cutters, drag knives, or tabletop cutting systems, streamlining finishing and reducing manual prepress steps.

**ADA Compliance Confidence** — Co-developed with ADA signage requirements in mind, helping fabricators produce tactile lettering, raised pictograms, and Braille translations that meet accessibility specifications for grade height, spacing, and contrast.

## Applications That Stand Out

Bring texture and elevation to every UV print project, across markets and substrates:

<b>Fine Art &amp; Décor</b>	Dimensional reproductions of paintings, canvas, and wall art with true brushstroke and texture depth
<b>Signage &amp; Displays</b>	Tactile lettering, raised logos, and dimensional branding for retail, corporate, and architectural signage
<b>Apparel &amp; Patches</b>	Embossed effects for decorative panels, patches, and promotional products
<b>Braille &amp; ADA Signage</b>	Engineered precision dots meeting tactile signage standards for wayfinding, room IDs, and public accommodations
<b>Packaging &amp; POP Displays</b>	Spot-varnish and textured finishes that make premium packaging and point-of-purchase displays stand out on the shelf
<b>Industrial &amp; Architectural Panels</b>	Durable, dimensional surface finishes for wall panels, wayfinding systems, and interior décor elements

## Why Fluid Color

As an authorized reseller and development collaborator, Fluid Color brings hands-on UV flatbed production expertise to every ImagePrint UV deployment, ensuring Pedestal AI integrates cleanly with your existing hardware, RIP workflow, and finishing equipment.

- Pre-installation workflow assessment and channel mapping review for your printer configuration
- On-site/remote installation, operator training, and ADA/Braille compliance consultation
- Direct line to ColorByte engineering for advanced support and feature requests
- Ongoing profile development plus priority access to new Pedestal AI features

Pedestal AI is purpose-built around Fluid Color's flagship platforms for ADA and tactile production — the RF84 and RF105 “Braille Monster” flatbeds. See the following page for full details on these systems.

## Built for the Job: The Braille Monster Platform

Pedestal AI doesn't operate in a vacuum — it's tuned for the hardware that runs it. The RF84 and RF105 flatbeds feature specialized printhead configurations that optimize Braille dot formation and stacking, giving fabricators a single-pass path from flat artwork to compliant, full-color tactile signage.

### RF84 Braille Monster Flatbed

The RF84 Braille Monster pairs a spacious 4' x 8' UV LED flatbed with linear rail technology, Ricoh Gen6 printheads, and a linear magnetic rail system for greater reliability and faster speeds — the fastest Braille print system on the market, completing a 4' x 8' sheet in just 32 minutes. Reliable LED curing supports wood, acrylic, foam, metal, and 3D objects.

- 4' x 8' UV LED flatbed with linear magnetic rail drive system
- Complete 4' x 8' Braille sheet printed in as little as 32 minutes
- Ricoh Gen6 printheads for speed, precision, and consistent dot placement
- Adjustable gantry height up to 3.96" for dimensional substrates

### RF105 Braille Monster — Tactile Production Powerhouse

The RF105 is purpose-built to redefine Braille and tactile production. This 5' x 10' flatbed combines speed, precision, and full-color capability in a single workflow — producing a complete 4' x 8' sheet of ADA-compliant Braille signage, tactile elements included, in as little as 32 minutes.

Configurable across both platforms, the specialized printhead configuration optimizes Braille dot formation and stacking while simultaneously printing full-color graphics — eliminating secondary steps and reducing labor.

- 5' x 10' flatbed for large-format, high-volume sign production
- Full-color graphics plus tactile elements in a single pass, with an applied color cap
- Specialized printhead configuration tuned for Braille dot height, spacing, and dome profile
- 4' x 8' ADA-compliant Braille sheet, complete with graphics, in as little as 32 minutes

Both platforms run on ImagePrint UV with Pedestal AI, giving operators automated height-map control alongside native production workflows — so your team can choose the approach that best fits each job.

## The Future of UV 2.5D Printing

No matter your UV print needs, ImagePrint UV with Pedestal AI — brought to you by Fluid Color in collaboration with ColorByte Software — takes your output to new levels of realism, speed, and creativity.

*Real Texture. Real Fast. Real Accessible.*

### Schedule Your Demo Today

Fluid Color | Authorized ColorByte Software Reseller  
Co-Development Partner — Pedestal AI for ADA &  
Braille Texture Printing

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