

PIXELGLOW™

Digital UV and Cold Foiling System

WITH CAST & CURE



PRODUCE IMPACTFUL 3D-HOLOGRAPHIC EFFECTS

THE GROUNDBREAKING UV AND FOILING SYSTEM

PixelGlow™, a versatile digital enhancement press, transforms ordinary prints into extraordinary products on various substrates, including tear-resistant materials. Ideal for commercial print, packaging, and photography, it elevates business cards, book covers, brochures, labels and more, ensuring standout visual impact in a competitive market.

Productivity of up to
80 sheets/per hour

Accommodates sheet
formats up to **B3** size
(**355×508** mm / **14×20** in)

Supports media weights
ranging from **150** to **500**
gsm

Handles media thickness
up to **0.5** mm / **500**
microns

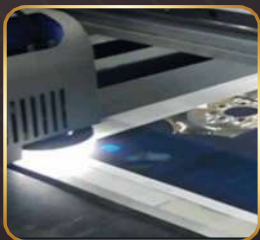
COMPLETELY DIGITAL VALUE EXTENDS TO B3

This entirely digital stand-alone solution seamlessly integrates with digital printing, offset, and laminated sheets. The PixelGlow™ effortlessly handles a diverse array of paper formats and substrates, eliminating the necessity for additional intricate setup:

Highlights

- Advanced **3rd Eye** technology for perfect registration
- Automatic **media pick** and **place** system
- Integrated **foil** station
- **No die** plate production time and expenses
- Best suitable for **short-run** and **customized applications**

FEATURE-FUELED EXCELLENCE



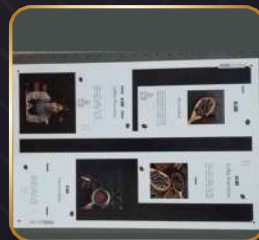
Automated printing precision enhanced by Advanced Third Eye technology.



Automated sheet handling with pick-and-place functionality.



Seamless media handling from feeder to engine and engine to foil in a single system.



Secure sheet retention in the printing zone with a stable vacuum bed.



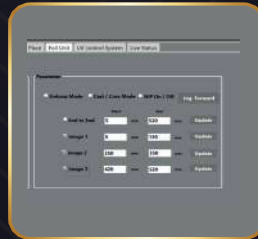
An integrated online foiling system merging UV printing and foiling into a single process.



Utilize multiple foil rolls simultaneously, with a maximum of 4 rolls each with a width of 4 inches.



Finish all tasks with a single click. Load variable jobs with varying quantities and complete them instantly.



Foil saving adjustments.



Seamless and continuous foil transfer.

ADD SHINE TO YOUR BUSINESS



ENHANCED VISUAL APPEAL

Provides vibrant and eye-catching digital UV prints and foiling that elevate the visual aesthetics of printed materials.



VERSATILITY

Enables printing on various substrates, including paper, plastics, and more, expanding the range of possible applications.



PRECISION AND DETAIL

Offers high-resolution printing, ensuring intricate designs and fine details are accurately reproduced.



TIME EFFICIENCY

Reduces production time through quick curing and drying of inks, resulting in faster job turnaround.



CUSTOMIZATION

Allows for personalized prints and foils, catering to individual client needs and preferences.



COST-EFFECTIVENESS

Reduces material waste and rework due to precise printing and foiling capabilities, leading to cost savings.



DURABILITY

UV cured prints and foils often exhibit increased durability, resisting scratches, fading, and other forms of wear and tear.

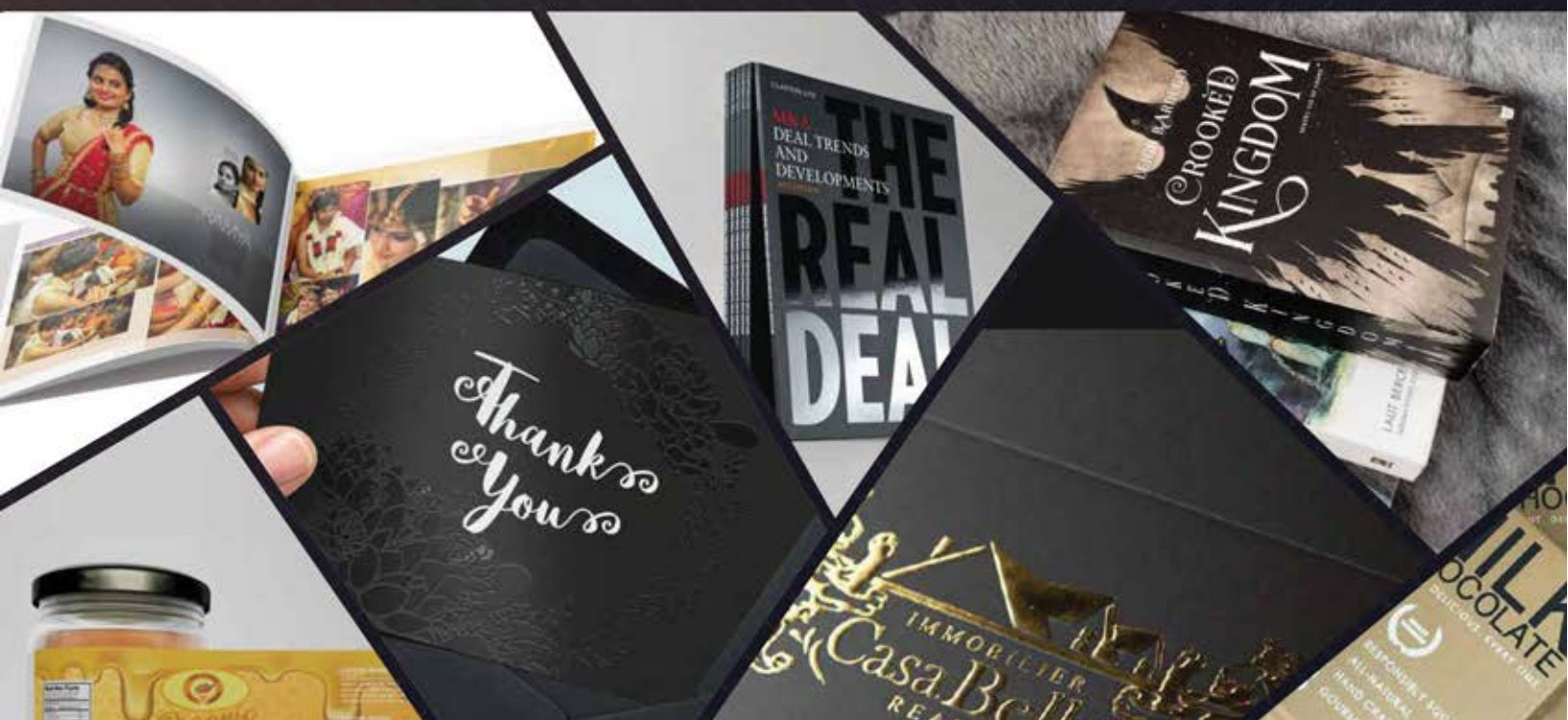


EASE OF USE

User-friendly interface and efficient workflow make it accessible for both seasoned professionals and newcomers to digital printing.

Unveiling a world of possibilities For Short-Run Custom Applications

- Photo Album
- Magazine
- Book Cover
- Packaging
- Commercial Applications and many more....



Technical Specifications



| Variants | PixelGlow 1402M | PixelGlow 2006AF Radiant Pro |
|------------------------------------|--|--|
| Printing Technology | Drop on demand Inkjet-Multi Pass | |
| Media Handling | Flatbed | |
| Resolution | Up to 600 X 4800 DPI | |
| Speed - A3 Size (Per Hour - 1Pass) | Up to 50+ Sheets | With Registration 90+ Sheets Without Registration - 100 + |
| Variable Data | PDF, Optimized PDF*, TIFF | |
| Supported Image Standards | Standard PDF | |
| Registration Technology | CCD camera system with Automatic positioning | |
| Communication Protocol | USB 3.0 | |
| Substrates** | Digital, Offset, Laminated | |
| Media Surface | 28 - 32 Dyne/cm - For Toner Sheets, **28 - 40 Dyne/cm For Laminated | |
| Substrates Loading Sizes | Minimum: L297 x W420 mm / 11.7 x 16.5 in Maximum: L355 x W508 mm / 14 x 20 in | |
| Printing Image Size | Maximum: L340 x W490 mm / 13.4 x 19.3 in | |
| UV Ink | Pixel Glossy UV Ink | |
| Polymer Layer Thickness *** | Up to 320 Micron | |
| Braille | Up to 230 Micron | |
| Print Heads Maintenance | Manual Cleaning | |
| Substrates Input System | Auto Feeding | |
| Feeder Capacity | Up to 200 Sheets | |
| Substrates Output System | Foldable Stacker | |
| Foil Saving | Enabled | |
| Foil Unit | Optional Add-on/Near Line | Online Foil |
| Flat Foil | 10 Micron to 20 Micron | |
| Foil Film Core Dia | 1 Inch | |
| Foil Film | Multi Roll 4 Inch | |
| Foil Film Type | Cold Film | |
| Cast & Cure | N/A | Add-on Feature |
| Substrates Weight | 170 - 500 GSM | |
| Substrates Thickness | Up to 0.5mm / 500 micron | |
| Air Requirements | Air Flow: 5 CFM. Between 6-8 Bar – regulated/ 70liter Tank | |
| RIP Software | X-Color / Photo Print V12 | |
| Dimensions (L x H x W) | 99.6 x 47.4 x 61.3 inches | 144 x 52.6 x 82.6 inches |
| Operating Environment | Temperature: 20°C to 27°C Humidity: 40% to 80% relative humidity, non-condensing | |
| Electrical Requirements | Single Phase + G + N Frequency: 50 Hz Current: Avg. 4 Amps in production Power consumption: Avg. 5 kVA in production Circuit Breaker: 16 Amps minimum | |
| Weight | 490 kg | 1000 kg |

(** On toner print - Height of varnish from 40µm onwards)

(** Image to Image Position Tolerance ± 250µm)

Designed and developed by:

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