Technical Specifications

	1402M	2006AF
Variants	1402M	2006AF
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)

PIXELGLOW™

INDIA'S 1st DIGITAL UV & FOILING SYSTEM
WITH CAST & CURE

PIXELGLOW

PRODUCE IMPACTFUL 3D-HOLOGRAPHIC EFFECTS

3d Eye technology

MONOTECH
SYSTEMS LIMITED ®

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.

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
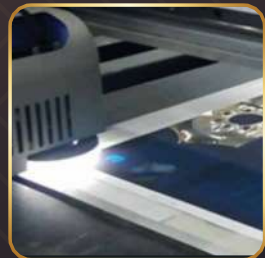- Best suitable for **short-run and customized applications**

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

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....