Product Specifications

Digital Enhancement System

Printing technology	- Radiant Pro+ inkjet engine technology. - Drop-on-Demand (DoD) technology. - Piezoelectric print heads, developed and manufactured by Ricoh Gen 5. - Digital Embellishment UV Printing. - Number of Print Heads : 06
Coating Thickness	- Depending on your file, the inks used and the type of surface of your sheet, the coating - Thickness can vary. - Velvet Laminated coating: up to 40 microns.
Production Speed	- Up to 225 A3 sheets per hour.
Registration Mark	- Uses the Artificial Intelligence Smart Scanner® for full real-time automated sheet-to-sheet Registration process: 4*4 Square marks required.
Registration Tolerance	- ± 300 μm Sheet to sheet
Printing Formats	- Min: 11.3" x 16.3" (28.8 x 41.2 cm), Max.: 14" x 20" (50.8 x 35.5 cm) - Max. Printable width: 20" (50.8 cm). - Resolutions : 600*600 DPI
Substrate Thickness	- Paper GSM Range : 170 - 600 GSM
Substrates	- Prints directly on laminated sheets*. Toner *
Ink Tank Capacity	- 2 liters main tank capacity
High-capacity Automatic Paper Feeder	- It has auto feeding technology with vacuum cylinder to pick the paper. - Separate options are given for A3 mode and B3 mode to pick the paper. - It has a feeding capacity of 600 sheets (200 GSM) for A3 plus size. - No paper sensor is available to detect the paper.
Paper Path	- 100% flat paper path. - Vacuum conveyor system.
UV LED	- Low Power UV LED
Daily Maintenance	- Daily maintenance was completed in less than 05 minutes.
Format Options	- PDF / TIF File
Rip Software	- X Color

Digital Foiling System

Paper Formats	- Min: A3 11.7" x 16.5" (29.7x 42 cm), Max.: B3 20.4" x 14" (51 x 35.5 cm)
Embellishment Thickness	- 40 μm*
Substrate Types	- Surfaces with lamination.
Number of Areas Per Sheet Foil Saving Feature	- Up to 3 stamp areas per SRA3 sheet - Foil Saving Enabled
Foil Specifications	- Standard foil core lock is provided. - Foil length: Max. 23 inch (do not exceed). - Foil width (roll width): Min. & Max. 320 mm.
Paper Exit Tray	- Tray able to handle a paper pile. - It has a foldable stacker to collect the paper.
Interface	- Inline foil with foil saving feature.
Electrical Requirements	- Single Phase
Total Power Consumption	- For India only : 4.2 kwh (peak time), 4 kwh(print mode)
Total Printer Assembly Dimensions	- 122" x 88" x 61 (3099 x 2235 x 1550 mm)

GLOWUP YOUR **CREATIVITY**

PROUDLY MADE IN India

Conceptualised designed and developed by:

MONOTECH SYSTEMS LIMITED
8B, "Chaitanya Exotica" 24 Venkatnarayana Road, T. Nagar,
Chennai - 600 017, Tamilnadu, INDIA
Phone: +91 44 2815 7928/7894/7933, 4350 2232 Fax: +91 44 2815 7973
Toll Free (India) : 1-800-102-4567 | Email : info@monotech.in
www.monotech.in

monotechsystems   monotechsystems   monotechsystem   monotechsystems

MONOTECH®
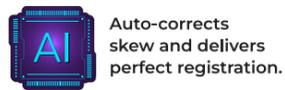SYSTEMS LIMITED

www.monotech.in

EXPERIENCE
BRILLIANCE.
PRECISION.
PERFECTION.

The all-new PixelGlow Radiant Pro+ is engineered to redefine digital embellishment. Designed for speed, accuracy, and superior surface effects, it brings high-end UV and foiling capabilities to your print setup - at an incredibly accessible cost. From luxury packaging to premium photo albums, Radiant Pro+ empowers print houses to create visually stunning and tactile masterpieces with exceptional efficiency while helping you achieve higher ROI and profitability.

AI Auto-corrects skew and delivers perfect registration.

High Productivity 225 A3 sheets/hour, Embossing height up to 40 µm.

Foil-Saving Online foil saving reduces foil waste and costs.

Maxuim Print Size 14" x 20" (35.5 x 50.8 cm)

AI Scanner - Detects print skew errors, ensures perfect registration for multi-layer jobs.

MLP (Multi-Layer Printing) - Enables crystal-effect textures up to 500 microns for luxurious finishes.

Resolution - 600 x 600 DPI for ultra-fine detail.

Feeder Capacity - Holds 600 sheets (200 GSM) to reduce interruptions.

Power Efficiency - Single-phase power operation for lower energy use.

Printing Media - Prints on toner-based and special/uncoated media (dependent on surface tension).

Embossing - Supports embossing height up to **40 µm.**

UVLED - Efficient UVLED curing, safe for sensitive media and low power draw.

Online Foil - Built-in foil-saving logic to reduce consumable usage.

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.

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.

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.

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.

DESIGNED TO DO MORE

Spot UV
A selective spot varnish that digitally recreates the effect of traditional analog flat varnishes, without the setup time or mess, in a cost effective method.

Foil
Unmatched foil enhancement capabilities, including high gloss, embossed and a range of densities via an innovative, reliable and digital process.

Flat Foil Printing
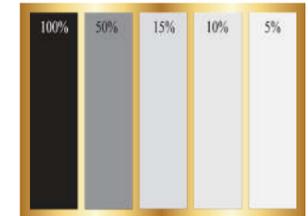PixelGlow™ accentures the impact of digital enhancement with Flat foil from 10 microns to 40 microns.

Various Pattern Printing Effects
Prints raised patterns on whatever materials used to create virtual tactile sensation to make your images stand out in the crowd.

Braille Printing
A digital Braille printing solution is designed to provide a better quality of life for blind and visually impaired people.

High Variable Densities
From matt to glossy up to 500 microns in height and has difference variable density capabilities.

Unveiling a world of possibilities For Short-Run Custom Applications

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

CAST & CURE
- Producing impactful 3D-holographic effects
- Cost-effective for short to medium-length runs with minimal setup
- User-friendly for in-house applications
- Leveraging readily available cast and cure films