## Technical specifications

| Model | AD580 | AD350 |
|---|---|---|
| Coating means | DoD Inkjet heads | |
| Embellishment | Spot UV、Texture,3D foil, sandy effect | |
| Resolution | 1080DPI、720DP1、 360DPI | |
| File format | TIFF、PDF、PS | |
| Sheet size | 580X760mm<br>297X210mm | 350X645mm<br>297X210mm |
| Max, working size | 570X750mm | 350X645mm |
| Max working speed | 3000(sheets/hour)(720 DPI) | 3600(sheets/hour)( 720 DPI) |
| Registration predsior | ±0.15mm | |
| Max. foil length | 500m | |
| Max, loading height | 550mm | |
| Total power | 12KW 380V 50HZ | |
| Weight | 2000KG | 1800KG |
| Dimension | 6500X1600X1850mm | |

## Features

- Highly efficient data processing and robust inkjet control system. File upload → camera register → AI file edit → RIP processing → add printing jobs → Inkjet printing, done.
- Basic setup extension. You can choose single pass high speed mode or scanning mode to meet different production and process requirement.
- Wide range of substrates. Applicable material weight: 80gsm-600gsm, with different substrates such as paper, plastic, metal etc.
- Four-camera registration system. The file can be tuned in X, Y, Z direction with precision of±0.15mm.
- High speed or high thickness. In high-speed mode, the production can reach 3000 sheet/hour while in low-speed mode, the thickness can reach 1-2mm. For permeable material, primer is not required.
- Spot UV and foiling can achieve fine lines pattern. The lines and gap can reach 0.1mm, clear and solid, good 3D effect.
- The suitable heads and UV varnish ensure of stable performance and embellishment quality.
- Negative pressure and ink supply system on basis of PLC. Professional sensor and controller, quick response, high control precision （±0.01KPA）, ensure of long lifespan, lower down the ink supply variation, help to deliver stable printing quality with as low affection as possible.


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# Digital print enhancement, the new market driver

**Efficient print processing system and inject controller system, file input- RIP convert- inject work**

**Camera positioning (4 cameras)**

- The positioning accuracy is ±0.15mm

**Print mode, flexible operation**

- Dual mode interchange. Single high speed print mode and scan print mode.
- For permeable paper, high thickness 3D effects, scanning printing is possible.
- one pass continuous printing is available for single print products

**Variable spot UV and foil**

- A single processing can achieve a gradient stereo effect of 10-200μm,thin lines and hollow value up to 0.1mm, to meet the needs of personalized customization.

**Substrate specifications**

- Substrate weight: 80g/m²-600g/m²
- Maximum stack height: 550mm
- Paper format 82
  Maximum paper size: 580X760mm,
  Minimum size: 297X210mm.
- Suitable for different kinds of materials: film base transparent film, metal let's wait.



**Curing**

- The whole machine adopts LED light source curing (3 LED light sources)

**Stacker (optional)**

- Automatic receiving platform, maximum stack height 600mm.

**The negative voltage and ink supply system built by PLC**

- Selection of professional detection and control devices, rapid response, high control accuracy (±0.01KPA), long service life, each the working range of the parts is clear, and the ink supply and negative pressure cooperate with each other to reduce the fluctuation of the ink supply pressure and avoid continuous beating imprint makes an impact.

**Variety foil roll selection**

- Supports running single or multi-coil foil roll with skip step and pull back function, saving cost

**Foil Module**

- Ensure the foil roll conveying smoothly in high-speed, clear and full stamping with 2D & 3D foil raised effects.

**Ink-jet technology**

- On-demand inkjet DOD technology, tens of billions of industrial piezoelectric nozzle

**How we can do**

- spot varnish, foil stamping , 3D embossing, matte tactile

联强集团 UP GROUP

# LQ-MD-Ad digital flat & tactile effects Spot UV coater with inline cold foiling

## Upgradable inkjet system

2025

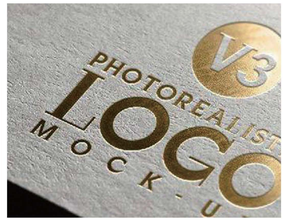
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# New Print Opportunity is Everywhere

This scalability of foil and 2D&3D UV customization and personalization enables printers and trade finishers to expand into profitable new market segments.











AD series personalized embossed device is designed to produce brillant foil effects on jobs printed on offset flexo and digital presses. Foil can be applied on coated/uncoated papers, synthetics plastics，laminated films and aqueous coated surfaces, precise camera registration This functionality produces digital and variable embellishments such as very fine lines,small lettering and detailed texture effects on each piece. It is both a perfect prototyping tool and a complete high-volume production solution.

The excellent extremely extensive performance in many segnment such as, package, book cover, photographic, cosmetics package, commercial field, decoration, membership card, cultural industries, and personalized creativity

# Digital Printing & Print Enrichment is a Growth Strategy



A Completely Digital Inkjet Solution for Variable 2D/3D UV Textures + Embossed Foil No Expensive tools or consumables needed: No Plates, Screens or Dies! No limitations for short runs or variable printing, Applies special effect to offset, flexo & digital output – on paper, plastic & synthetic materials.

## Upgradable inkjet system