

AOBEAD DIGITAL MACHINE PRODUCT BROCHURE



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National "specialized, specialized, and innovative" key small giant enterprises
National "specialized, specialized and innovative" small giant enterprise

INTELLECTUAL PROPERTY

As of 2025,
Our company has accepted and authorized
more than 448 property patents.

Certification mark



COLOR SYSTEM CERTIFICATION



The first digital inkjet printing
company in mainland China to
receive this certification



A few digital inkjet label machines in China
that have passed the highest
level of G7 certification



C9 qualification equipment certification

DPIM-330F

UV INKJET DIGITAL PRINTING MACHINE DPIM-330F

Modular design / CMYK+W+custom spot color / Maximum printing speed 60m/min / Maximum resolution 1200×600dpi



Applicable materials

Films: PET/PVC/PP/PE/BOPP, shrink films and other films.
Paper: synthetic paper, wine label paper, coated paper, thermal paper, bright silver, aluminum foil and other special materials.

Printing function	Maximum resolution: 1200×600dpi (optional 1200×1200dpi) Printing speed: 30m~60m/min (depending on the material of the printing material) Grayscale level: Level 3 Digital printing accuracy: ±0.06mm Material width range: 20mm~330mm (customized 450mm and 520mm) Maximum paper feed width: 330mm (standard model) Maximum printing width: 330mm (standard model) Material thickness dimension: 0.02~0.5mm (depending on the material of the printing material) Automatic overprinting system accuracy: ±0.06mm	
ink	Ink Type UV Ink	Ink color configuration Standard mode is CMYK, optional white + custom spot color (purple, orange and green)
Flexible printing function	Maximum flexographic printing speed: 100m/min (depending on the material of the substrate) Flexible overprinting accuracy: ±0.1mm Offset printing accuracy: ±0.15mm	
Digital gold stamping digital varnish	Maximum cold hot speed: 30m/min Glue thickness: single row 0.1mm (optional double row 0.3mm) Overprinting accuracy: ±0.04mm Intermittent die-cutting accuracy: ±0.35mm	
Media system	Maximum retracting/unrolling diameter: 750mm Maximum unwinding load bearing weight: 150KG Material transfer, servo control for retracting and retracting, constant tension retracting and retracting	
Installation conditions	Relative humidity: 40%-60% (no condensation) Ambient temperature: 20°C-26°C Power: 45KW (standard version) Power supply requirements AC380V/50Hz/90A (standard version) Air source 0.6~0.8Mpa	
Equipment Specifications	Equipment weight: 7500KG (standard version) Equipment size: 7000mm (Length)×1600mm (Width)×1820mm (Height) (Standard Edition)	



New modular structural design can fully meet the diversified market needs

It can realize wide-format printing from 220mm to 520mm, and can select flexographic modules, front flexographic hot stamping, customized printing spot colors (purple, orange, green), digital cold hot/digital varnish, rear flexographic polishing, front and back offset printing, intermittent die cutting, film lamination module, defect quality management system, etc. according to customer needs.

High resolution, meet high-quality label printing on demand

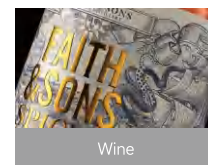
Small characters and thin lines can be clearly printed, and exquisite color images can be output with rich color levels.

The ink usage rate reaches more than 90%

UV inkjet principle directly uses the printing situation to reduce the ink volume and maximize the cost of consumables.



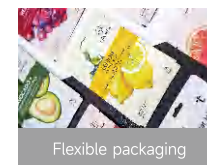
Cosmetics



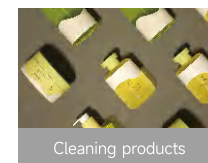
Wine



Variable
anti-counterfeiting class



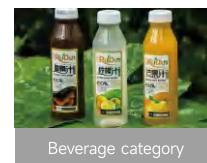
Flexible packaging



Cleaning products



Health care products



Beverage category



Energy
efficiency standards

DSMART-220/220Pro

STANDARD DIGITAL PRINTING MACHINE / HIGH-precision version

CMYK+W / Maximum printing speed 150m/min (Pro version) / Maximum resolution 1200×1200dpi (Pro version) / Maximum width of material 220mm



Applicable materials

Films: PET/PVC/PP/PE/BOPP, shrink films and other films.
Paper: synthetic paper, wine label paper, coated paper, thermal paper, bright silver, aluminum foil and other special materials.

Printing function

Maximum resolution: Standard version: 1200*600dpi, Pro version: 1200*1200dpi
Maximum printing speed: Standard version: 30m~60m/min, Pro version: 150m/min
Grayscale level: Level 3
Digital printing accuracy: ±0.06mm
Material width range: 20mm~220mm (optional 330mm)
Maximum paper feed width 220mm (optional 330mm)
Maximum printing width 220mm (optional 330mm)
Material thickness dimensions 0.02~0.5mm (depending on the material of the printing material)

Ink

Ink Type UV Ink
Ink color configuration Standard mode is CMYK (optional white)

Media system

Maximum retracting/unrolling diameter 750mm
Maximum unwinding load bearing weight 150KG
Material transfer, servo control for retracting and retracting, constant tension retracting and retracting

Installation conditions

Relative humidity 40% -60% (no condensation)
Ambient temperature 20°C-26°C
Power 30KW
Power supply requirements AC380V/50Hz/45A
Gas source 0.6~0.8Mpa

Equipment Specifications

Equipment weight 5500KG
Equipment size: 4500mm (Length)×1800mm (Width)×1900mm (Height)



Lightweight and convenient design

The equipment covers a small area, saves production space, and makes the equipment easy to install and maintain.

High-precision version fine printing quality

The high-precision version of 1200x1200dpi fine printing quality can clearly print small characters and thin lines, and output exquisite color images with rich color levels.

The ink usage rate reaches more than 90%

The UV inkjet principle directly uses printing to reduce the ink volume, saving consumable costs to the greatest extent.



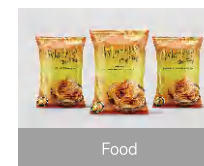
Cosmetics



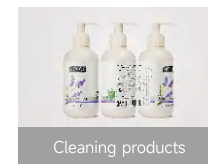
Wine



Variable anti-counterfeiting class



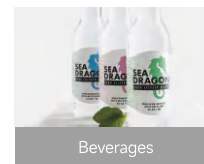
Food



Cleaning products



Drugs



Beverages



Energy efficiency label

LPM-220

LIGHTWEIGHT DIGITAL PRINTING MACHINE LPM-220

CMYK / Maximum Printing speed: 60m/min / Maximum resolution: 1200×600dpi / Maximum width of material :220mm



Applicable materials

Films: PET/PVC/PP/PE/BOPP, shrink films and other films.
Paper: synthetic paper, wine label paper, coated paper, thermal paper, Metallic silver, aluminum foil and other special materials.

Printing function	Maximum resolution: 600×600dpi / 1200*600dpi Maximum printing speed: 30m~60m/min (Depends on the properties of the material) Grayscale level: Level 3 Digital printing accuracy: ±0.06mm Material width range: 20mm~220mm Maximum paper feeding width :220mm Maximum printing width: 220mm Material thickness range: 0.02~0.5mm (depending on the properties of the printing material)
Ink	Ink Type : UV Ink Configuration for ink color Standard is CMYK
Media system	Maximum diameter for unwinder/rewinder : 750mm Maximum loading weight of unwinder: 150KG Material transfer, servo control for unwinder and rewinder, constant tension unwinder and rewinder
Installation conditions	Relative humidity : 40% ~60% (no condensation) Ambient temperature : 20°C-26°C Power : 25KW Power supply : AC380V/50Hz/35A Gas source 0.6~0.8Mpa
Equipment Specifications	Equipment : weight 1500KG Equipment size : 2800mm (Length)×1650mm (Width)×1900mm (Height)



Cost-effective equipment with low cost

The entry-level inkjet printing press ensures that customers can invest the equipment with extremely low costs while helping customers reduce material production costs and improve efficiency.

Fully meet the needs of diversified market

Suitable for needs of industrial flexible production , expand market capabilities of label printing for customer, and increase competitive advantages.

The ink usage rate reaches more than 90%

UV inkjet technology minimizes ink usage via direct printing,achieve the highest level of material cost reduction.



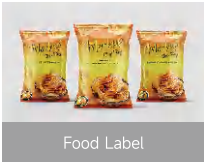
Cosmetic Label



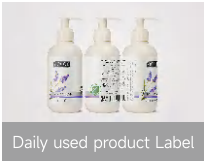
Wine Label



Variable anti-counterfeiting Label



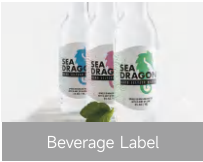
Food Label



Daily used product Label



Drugs Label



Beverage Label



Energy efficiency Label

DCFS-330B

UV DIGITAL COLD FOIL STAMPING MACHINE



Applicable materials

Membrane: PET/PVC/PP/PE/BOPP and other films.
Paper: synthetic paper, hacienda, coated paper, art paper and other papers.
Special materials: Thermal paper, aluminum foil, shrink film and other special materials.

Cold foil stamping function

Nozzles technology: Industrial Micro Piezo Print head
Output accuracy: 720*360dpiDP I& 1800*360dpi
Maximum speed of cold foil stamping : 23~60m/min
(depending on the properties of the printing material)
Varnish thickness: single row 0.1mm (optional Dual row: 0.3mm)
Overprinting accuracy: ±0.06mm
Material width range: 20mm~350mm
Maximum stamping width: 330mm
Material thickness range: 0.02~0.5mm (depending on the properties of the printing material))

Installation conditions

Relative humidity: 40%-60% (no condensation)
Ambient temperature: 20°C-26°C
Power: 30KW
Power supply : AC380V/50Hz/60A
Drying method: LED
Gas source: 0.6~0.8Mpa

Transmission system

Material transfer: servo control for rewinding and unwinding,
tension can be adjusted automatically
Maximum rewinding/unwinding diameter: 750MM
Maximum loading weight for unwinding : 100KG

Equipment Specifications

Equipment weight: 3000KG
Equipment size: 4100mm (length)×1800mm (width)×1900mm (height)



One-stop service solution

Independent product , can works with offset, screen, gravure and other printing techniques to enhance post-printing effects and boost product value.
It is especially suitable for the efficiency-enhancing printing of daily used product labels, wine labels, wine box packaging, and better cosmetic packaging.

Diversification of Efficiency-Enhancing Processes

It can realize the overlapping application of various post-press processes, such as cold stamping and hot stamping, 3D embossing and stacking, local gloss, secondary printing and cold stamping. At the same time, the printed pattern is clear, beautiful and durable in gloss, and the brightness and thickness of hot stamping are far better than traditional printing.

From soft shrinkable materials to non-coated substrates

This technology enables variable-height UV 3D gloss effects and digital cold foil enhancement, delivering striking 3D relief and brilliant metallic luster to printed materials.



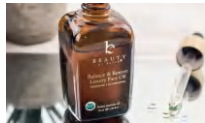
Gift packaging



Electronic accessories Label



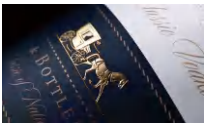
Wine Label



Cosmetics Label



Cigarette boxes



Crafts Label



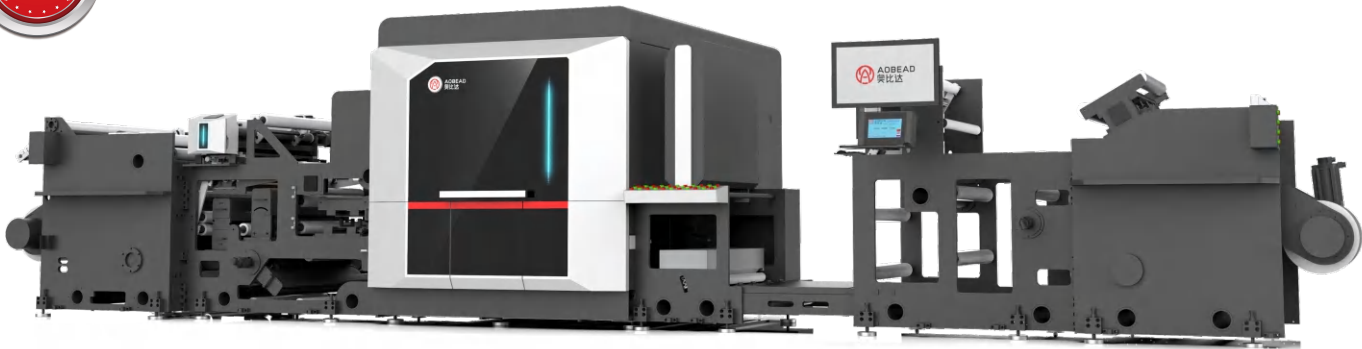
Paper tape



Tea

DCFS-1050

Wide format digital cold foil stamping machine



Applicable materials

Film materials: PET/PVC/PP/PE/BOPP and other films.
Paper: synthetic paper, hacienda, coated paper, art paper and other papers.
Special materials: Thermal paper, aluminum foil, shrink film and other special materials.

Cold foil stamping function

Printhead technology: industrial grade micro-piezoelectric nozzle
Output accuracy: 1800*360dpiDP I& 3600*360dpi
Maximum cold foil stamping speed: 11~60m/min (depending on different the substrates)
Varnish thickness: single row 0.1mm (optional double row 0.3mm)
Overprinting accuracy: ±0.08mm
Material width range: 20mm~1100mm
Maximum cold foil stamping width: 1050mm
Material thickness dimension: 0.02~0.5mm (depending on the material of the printing material)

Transfer system

Material transfer: servo control for rewinding and unwinding, tension can be adjusted automatically
Maximum rewinding/unwinding diameter: 1000MM
Maximum unwinding loading capacity: 500KG

Installation conditions

Relative humidity: 40%-60% (no condensation)
Ambient temperature: 20°C-26°C
Power: 80KW
Power supply requirements: AC380V/50 Hz/160A
Drying method: LED
Air source supply: 0.6~0.8Mpa

Equipment Specifications

Equipment weight: 12000KG
Equipment size: 9000mm (length)×5000mm (width)×2000mm (height)

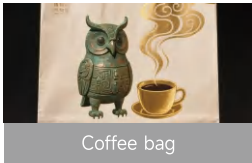


Wide-format digital cold foil stamping
equipment designed for the flexible printing industry

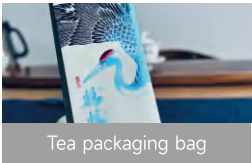
The equipment has a wide-format working processing capacity of 1050mm, and can process wider size flexible materials in one pass, greatly improving the efficiency and output of single batch production. It is especially suitable for large-scale packaging orders and printing companies which pursue high-value-added packaging productions. It can be applied for digital cold foil stamping process for flexible materials such as plastic film, paper, and composite materials. It can achieve digital enhancement processes such as cold-stamping, 3D embossing, spot varnishing, and reverse varnishing. The metallic gloss after digital cold-stamping is higher, and the color is bright and lasting. It can also create a 3D effect and shining metallic luster for wide-format printing products.



Betel nut bag



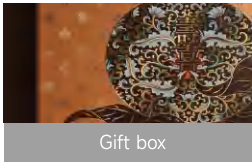
Coffee bag



Tea packaging bag



Gift bag



Gift box



Advertising art poster

Single Pass 550mm

Single pass 550mm UV inkjet digital printing Machine
550mm~1500mm web width, one pass UV inkjet digital packaging solution



Applicable materials

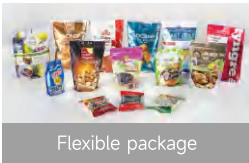
Films: PVC/PP/PE/BOPP pearlescent film, etc.
Paper: synthetic paper, habeam paper, coated paper, art paper, etc.
Special materials: matte silver, bright silver, aluminum foil, etc.

Printing function	Maximum resolution: 600×600dpi & 1200×600dpi Printing speed: 30~60m/min (depending on different printing materials) Grayscale level: Level 3 Digital registration accuracy: ±0.06mm Maximum feed width 550mm (standard version) Maximum printing width 550mm (standard version) Material thickness dimensions 0.02~0.8mm Automatic registration system accuracy: ±0.06mm
ink	Ink Type UV Ink Ink color configuration CMYK (optional white + digital cold stamping/varnish)
Flexible printing function	Maximum flexographic printing speed: 100m/min (depending on the material of the substrate) Flexible registration accuracy: ±0.1mm Offset registration accuracy: ±0.15mm
Digital cold stamping/digital varnish	Maximum cold foil speed: 30m/min) Varnish thickness: single printing module: 0.1mm (optional double rows 0.2mm) Registration accuracy: ±0.04mm
Media system	Maximum rewinding/unwinding diameter 1000mm Maximum unwinding loading capacity 1500KG Material transfer, servo control for rewinding/unwinding, constant tension rewinding and unwinding
Installation conditions	Relative humidity 40%-60% (no condensation) Ambient temperature 20°C-26°C Power 100KW Power supply requirements AC380V/50Hz/180A Air source supply 0.6~0.8Mpa
Equipment Specifications	Equipment weight 15000KG Equipment size 14200mm (Length)×3650mm (Width)×1900mm (Height)



Customized one-stop digital & flexible packaging solution

The DPIM series has opened up new opportunities for flexible packaging and large format on-demand printing. It can perfectly unify the flexible and variable B1 format, simple operation and printing quality comparable to offset printing, present completely different combination advantages of digital printing. According to the large volumes of current domestic flexible packaging, refrigerator stickers, and advertising posters, single pass 550mm can be customized for wide color gamut according to customer needs with a wide coverage range at any time, which can ensure minimum inventory, content changes flexibility, and comprehensively reduce printing costs.



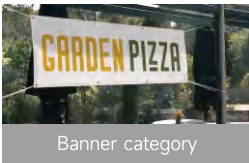
Flexible package



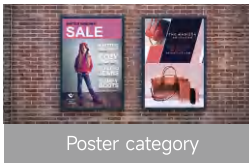
Non-woven bags



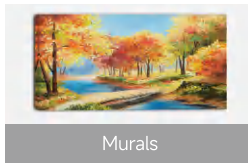
Wine boxes



Banner category



Poster category



Murals