



AJ-800

A Versatile Digital Printer for Professional Packaging Solutions.





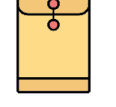


THE AJ-800 PROVIDES DIRECT-TO-PACKAGE DIGITAL PRINTING FOR REAL MANUFACTURING ENVIRONMENTS

Streamline your packaging process with the AstroJet AJ-800 digital printer with integrated conveyor belt is designed for professional packaging, paper bag, and corrugated box production. **The AJ-800 is ideal for a wide range of industries, including food and beverage, healthcare, logistics, e-commerce, and more.**

With Industry 4.0 readiness and water-based, sustainable printing, the AJ-800 is the preferred choice for flexible, customizable, direct-to-package printing on a wide variety of packaging materials.

THE AJ-800 SUPPORTS A BROAD SPECTRUM OF APPLICATIONS.

	Corrugated cardboard, die-cut boxes, and wood packaging
	Food packaging, including delicate items, takeaway boxes, pizza boxes, and placemats
	Corrugated cardboard, die-cut boxes, and wood packaging
	Bottle and paper cup carriers
	Paper bags and padded envelopes

Produce packaging just in time—not months in advance. This makes the AstroJet AJ-800 a strategic fit for corrugated converters, box plants, brand owners, food producers, print service providers, and manufacturers that want to modernize packaging lines.

THE AJ-800 IS BUILT FOR PERFORMANCE AND RELIABILITY THAT MATTERS.



PRINT RESOLUTION

Up to 1200 x 1200 dpi



PRINT SPEED

6, 12, 18 ips (9, 18, 27 m/min)



PRINT WIDTH

Max: 17" (432 mm)



FEED WIDTH

Max: 31" (787 mm)



PRINT HEIGHT ADJUSTMENT

Up to 8" (203 mm)



INK

Dye or Pigment

INDUSTRIAL-STRENGTH PRINTING WITHOUT THE FLEXO LIMITATIONS

AstroJet AJ-800 allows packaging teams to:

- Avoid plate charges and tooling delays
- Reduce outsourced packaging cost
- Eliminate excess pre-printed inventory and storage
- Print graphics, branding, and barcodes in a single pass
- Customize packaging by SKU, market, customer, location, or promotion



KEY MARKETS & APPLICATIONS

Food & Catering

Print directly on pizza boxes, cartons, and eco-friendly containers — ideal for restaurants and sustainable packaging suppliers.

Beverage & Spirits

Customize wooden crates, bottle boxes, and corrugated cases for a refined, artisanal finish.

Retail & E-Commerce

Instantly produce branded bags, boxes, and mailers for consistent visibility across every shipment.

Industrial & Manufacturing

Mark sleeves, cartons, and rigid containers with durable, high-precision prints.

Publishing & Communication

Add color to packaging, displays, or POS materials — perfect for short runs and promotional events.



Technical Specifications

Operation

Print Resolution	Up to 1200 x 1200 dpi
Print Speed	6 ips (9 m/min) @ 1200 x 1200 dpi 12 ips (18 m/min) @ 1200 x 600 dpi 18 ips (27 m/min) @ 1200 x 300 dpi
Feed Width	Up to 31" (787 mm)
Print Height	Adjustable up to 8" (203 mm)
Operating System	Microsoft Windows® 11/10
Software	AstroNova Control Software Package InEdit RIP Software (required, purchased separately)
Internet Access	24 hrs/day, 7 days/week for real-time diagnostics Every 15 days and during ink changeovers (minimum)

Environment & Physical

Conditions for Operation	Between 68° F to 86° F (20° C to 30° C), 50% to 70% Relative Humidity (non-condensing)
Conditions for Storage	Between 41° F to 122° F (5° C to 50° C) at RH up to 85%, non-condensing at 149° F (65° C)
Power Requirements	230V/115V AC +/-10%, Single Phase + Neutral, 50/60Hz, 16AMP 3000W with manual feed 3700W with Automatic Bag Feeder
Regulatory Compliance	UL 508A, CE
Dimensions (without automatic feeder)	119.9" L x 86.9" W x 61.3" H 3047 mm x 2206 mm x 1558 mm
Weight	2381 lbs. (1080 Kg) without automatic feeder

Maintenance

Maintenance System	Integrated, automatic printhead wiper and vacuum suction with user-replaceable cleaning pads
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Supplies

Ink Type	High-Performance CYMK water-based pigment or dye, 5 Kg tanks
Material Types	Corrugated Cardboard, Flat die-cut boxes, pizza boxes, envelopes, padded envelopes, paper bags and other sustainable packaging materials

Suction Cup Automatic Bag Feeder (Optional)

Material Size	19.7" x 16.5" (Max, excluding handles) 500 mm x 419 mm 9.4" x 7.0" (Min, excluding handles) 239 mm x 178 mm
Feed Speed	Sync with AJ-800
Compressed Air	87 psi, 1.77 CFM Quick connector fitting for Ø8mm
Physical	51.2"L x 43.3"W x 65.3"H 1300 mm x 1100 mm x 1658 mm

Automatic High-Speed Commercial Vacuum Friction Feeder VF-280 (Optional)

Material Size	3" x 5" (76 mm x 127 mm) Min 29"x28" (736 mm x 711 mm) Max
Material Thickness	Up to 1" (25 mm)
Electrical	110/220V AC, Single Phase, 10A circuit
Interlock	Dry Contact (Low Volt) Standard Operator
Controls	Power (On/Off), Vacuum (On/Off), Stop, Jog, Start, Feed Speed
Physical	24"L x 37.5"W x 33-36"H 609 mm x 952 mm x 838-914 mm

What's Included

AstroJet AJ-800 Digital Printer with Integrated Conveyor Belt, Set of printheads (2), Manual Infeed Table, Long Belt, Exit Tray (ink purchased separately)

Warranty

One-year Manufacturer's Parts & Labor Warranty on printer and accessories

2 years from date of production on unused/unopened ink tanks, 6 months if opened or installed



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