ArrowJet Aqua Hybrid Pro M

Innovate, **Elevate** and **Excel** with your printing capabilities and step into the hybrid future with the ArrowJet Hybrid M Series – a testament to how innovation, quality, and adaptability can revolutionize label and flexible packaging printing. Seamlessly blend flexo and digital for unmatched performance and the lowest production cost.

Technical Specifications

Print Module	CMYK Single Pass Memjet DuraFlex
Print head	Single CMYK head 2x Redundancy, 163,840 Nozzles, 2.1pl drop size
Inks	Aqueous Pigment Inks – High Durability & Fast Drying
Ink Capacity	2L or 10L CMYK Tank Options Available
Speed and Resolution	27 mpm (18 in/sec) (90 ft/min) at 1600 x 1600 dpi 46 mpm (30 in/sec) (150 ft/min) at 1600 x 954 dpi 60 mpm (39 in/sec) (195 ft/min) at 1600 x 640 dpi
Web Handling System	Modular Design with Digital Tension Control
Web Speed	Upgradable to 150 mpm
Max Media width	15.75" (381mm)
Minimum Media Width	4" (100mm)
Max Printing Width	12.75" (324mm)
Max Roll Diameter	19.7" (500mm) max 100Kg
Core Size	3" (76mm)
Min Substrate Thickness	2 mil (0.05mm)
Max Substrate Thickness	13.75 mil (0.35mm)
Supported Media	Coated or Uncoated Paper, PE, PP, PVC, PET, OPP/BOPP, Aluminum Blister Foil, POF/PLA Shrink Film, Tyvek, Cellophane, Mylar, and more.
Operating environment	68-86 F (20-30 C), 30-50% humidity
Storage environnement	50-104 F (10-40 C) max 65% humidity
Dimensions	212.5"x 57.2"x 57.1"(5398mm x 1455mm x 1704mm)
Power and Air requirements	Three Phase 400V 60 Hz. AC + N+E & 6 bar air line

KATUN dps™
digital printing solutions

Is dedicated to driving innovation and excellence in digital production printing of labels & packaging. We help our customers grow with cutting-edge machinery and technology, complemented by our solution focused pre-sales service and after-sales support. With our extensive local sales and support network, we aim to fuel business growth and prosperity, positioning Katun DPS as a trusted partner.

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KATUN dps™
FOR LABELS & PACKAGING

ARROWJET AQUA HYBRID PRO M
MODULAR HYBRID PRINTER

powered by
DURAFLEX | memjet®

ArrowJet Aqua Hybrid Pro M

Get the best of both worlds: Analog & Digital in a single pass. Enhance your production capabilities and lower your running and printing costs using uncoated media with inline priming & varnish stations. Thanks to its industrial-grade, modular hybrid design the ArrowJet Hybrid Pro M Series label and flexible packaging production press offers unparalleled flexibility, retrofit-ability, precision, and ultra-high performance.

Problem-Solution

Balancing print quality, media versatility, speed, and cost can be challenging. The ArrowJet Hybrid M Series elegantly addresses these issues by combining high-resolution printing, rapid production speeds, the lowest production costs, and broad media compatibility into a single cohesive solution, thereby boosting productivity and unlocking creative potential.

Key Features

Modular & Robust Construction
A blend of industrial-grade modular Flexo + Digital design featuring inline primer and varnish (flexo) stations and advanced high-speed 400mm web handling.

Incredible Speed
Attain up to 60m/min (upgradable to 150mpm) with an NIR cold-heat dryer.

HD — Ultra High-Resolution & Colour Gamut
Delivers 1600 x 1600 dpi for true-to-life, vivid, detailed and sharp images.

Latest Formula of Aqueous Pigment Inks
Eco-friendly waterproof, UV and rub resistant inks are safe for food packaging applications and come in cost saving 10L tanks.

Versatile Media Handling
Accommodates both uncoated and coated media, including Paper, PE, PP, PVC, PET, OPP/BOPP, Aluminum Blister Foil, POF/PLA Shrink Film, Tyvek, Cellophane, Mylar, and more.

Most Common Applications

- **Food and Beverage Labels**
- **Flexible Packaging**
- **Healthcare and Pharmaceutical**
- **Personal Care and Cosmetics**
- **Industrial and Chemical Labels**

Key Software Features

Browser-based RIP Software: Features a user-friendly, touch-screen-compatible interface for streamlined job management and automation.

On Press Setup: Enables preparation, positioning, and management directly on press.

Variable Data Creator: Facilitates on-demand, timely, and budget-friendly variable data printing.

Cost Calculation: Allows for quick analysis of inkjet production costs on a per-job basis.

Advanced Color Management: Ensures vivid, accurate colors across all prints with ICC profiles and manual color curve adjustments.

Essential Parts and Add-Ons

1. Inline Enclosed Chamber Flexo Stations: Allows for priming, printing, and varnishing in a single pass.

2. Degasser + Ink Lines: Reduces print costs with 10L ink tanks.

3. Inline NIR Dryer Module: Utilizes "cold heat" technology for efficient, low-energy drying.

The Ideal Client

Specialist Label and Flexible Packaging, converters and print service providers aiming to grow and expand their offerings. The **ArrowJet Hybrid M** Series is the perfect choice for those prioritizing operational efficiency, quality, low running costs and versatility. Whether you're catering to the food, beverage, or pharmaceutical sectors, this printer meets the diverse needs of short to mid-run productions.