



Product Preview

64" Water-Based UV Inkjet Printer

Mutoh's HydrAton 1642, featuring two AccuFine HD print heads is a 64" (162 cm) wide roll-to-roll printer integrating innovative water-based UV print technology which will meet a multitude of market requirements, underlining Mutoh's ongoing commitment to sustainable practices as well as safer work environments.

The HydrAton 1642 wide-format printer represents a new technology segment, featuring revolutionary print/dry technology and a unique ink film formation process on the printed media, collaboratively developed by Mutoh Japan's large-format printer R&D division and Fujifilm's AQUAFUZE™ ink technology team.

Fujifilm's patented AQUAFUZE™ ink technology combines the benefits of UV LED and water-based inkjet technologies in one ink formulation. It features low-temperature drying and excellent jetting stability. The inks are low-odour and safety compliant. AQUAFUZE™ is a registered trademark of the Fujifilm Group.

Product Highlights

- Engineered and manufactured in Japan
- 2 AccuFine HD print heads
- Piezo drop on demand inkjet technology
- Unique print/dry technology – revolutionary ink film formation process on the printed media
- Tuned to AQUAFUZE™ ink technology
- Mutoh's proprietary VerteLith RIP included
- Water-based UV inks
- No need for pre-coat primer / optimizer
- Low odour & safety compliant
- Excellent scratch resistance, thin ink layer & soft feel
- Proprietary technology by Fujifilm® Group

Application Possibilities

The HydrAton 1642 can print on a wide array of substrates without the need for a pre-coat primer or optimizer, including paper, synthetic fabrics, technical textiles, heat-sensitive eco-friendly substrates, specialty films and even PVC. Prints have a very thin ink film, a soft feel and high scratch-resistance.



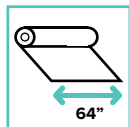
Made in Japan



AQUAFUZE™ Inks



Environmentally Responsible



64" Wide



About AQUAFUZE™ Ink Technology from FujiFilm

Fujifilm patented technology, AQUAFUZE™ is set to enhance print production of the future. AQUAFUZE™, a water-based UV inkjet ink built on a unique new resin and an intelligent dispersion, combines the formulation technologies of both water-based and UV curable inks. The technology meets a multitude of market requirements.

Key Features AQUAFUZE™ CMYK inks - 1 liter pouches

- Combines the benefits of UV LED and Water-Based inkjet
- Excellent adhesion to a wide range of substrates
- Eliminates the need for a pre-coat primer/optimizer
- Low odour and safety compliant
- Low temperature drying and excellent nozzle stability

Technical Specifications HydrAton 1642 Printer

Maximum Media Width	1625 mm - 64"
Maximum Print Width	1615 mm - 65.58"
Number of Print Heads	Two AccuFine HD print heads
Nozzle Configuration	8 rows of 400 nozzles per print head
UV lamp	1
Drying Mechanism	Unique Dry Mechanism - 3 way heaters (pre-heat, platen, dryer) Double blower fan, UV LED lamp
Head Heights	1.5, 2.0 and 4.0 mm
Productivity	6 to 15 m ² /h
RIP Connection	Mutoh VerteLith RIP
Take-up System	30 kg standard - Linked to printer activity
Machine Dimensions - WxDxH	2770 mm x 895 mm x 1428 mm

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