

HydrAton 1642

Human- and environmentally-friendly printer



Media width
Max.1625mm



CMYK

Highly safe and scratch-resistant ink with a wide range of applications

AQUAFUZE™^{*1} technology **X** HydrAton's film formation system

Highly-safe water-based ink

- ☐ Low VOC emissions
- ☐ Low odor
- ☐ Highly-safe composition^{*2}
- ☐ UL GREENGUARD Gold Certified

Excellent film qualities

- ☐ Thin printed film maintains the original texture of the media after printing
- ☐ Compatible with a variety of media without the use of primers or optimizers
- ☐ Scratch-resistant without an overcoat
- ☐ Excellent tiling accuracy
- ☐ Low power consumption

Application : wide range of versatile applications, including wallpaper and indoor use



*1 AQUAFUZE is a registered trademark of Fujifilm group *2 GHS hazard free, does not intentionally include any of the applicable CMR and SVHC (Substances of Very High Concern) substances as of January 2025
CMR meaning carcinogenic, mutagenic, and reprotoxic

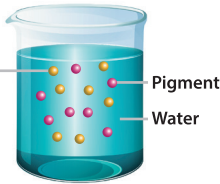
AQUAFUZE™ technology : Combining water-based and UV-curable ink technologies

AQUAFUZE

AQUAFUZE™ technology

Fujifilm's proprietary technology for stable water dispersion of photopolymers in water-based pigment inkjet ink

UV-curable latex



Newly developed ink based on

AQUAFUZE™ technology

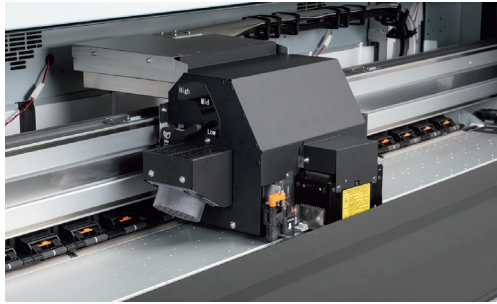
AQUAFUZE™ ink

- **Low VOC** - considering the impact on the environment and the human body
- **Low odor** - reducing the burden on workers and users
- **Does not intentionally use any CMR substances*** (carcinogenic, mutagenic, reprotoxic)
- **GHS hazard free***
- **Obtained certification UL GREENGUARD Gold**

*As of January 2025

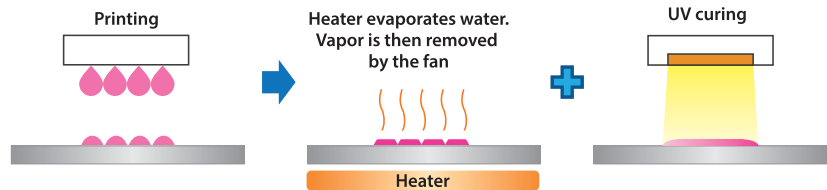


Film formation system : Fully utilize the abilities of AQUAFUZE™ ink

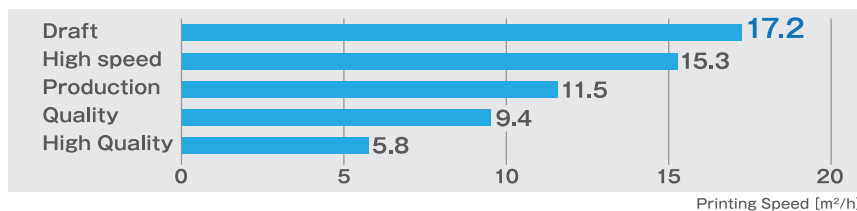


Realizing durable film formation and high-quality printing

- Print on a variety of different media with no smudging without using an optimizer
- Excellent durability (scratch resistance) without an overcoat
- Thin printed film allows to take advantage of the original texture of the media



Productivity



High-speed printing and high image quality

AccuFINE X Dual Head

Equipped with two of MUTOH's latest print heads, "AccuFINE HD"

- Large, high density and ink landing accuracy print heads
- Quickly drying ink; minimizing the time from printing to application

MUTOH Genuine RIP software VerteLith

Genuine RIP software VerteLith maximizes HydrAton 1642's performance



□ Tiling function

Print overlapping tile sheets for neat seams. Sheets can be divided into any size or number of sheets and trim marks as well as guide lines can be added as needed.



MUTOH's unique technologies for automation and efficiency

□ Take-up system

Comes standard with a printer-linked take-up unit



□ Automatic Bi-D adjustment/automatic media feed adjustment

Automates adjustments for each media type, reducing the burden on the operator

□ Media roll balance management

Manages the remaining media with barcodes, enabling efficient media consumption and usage



Automatic Bi-D adjustment



Automatic media feed adjustment



Media roll balance management

Specifications

Printer model		HA-1642
Print head	Print method	On-demand piezo drive system
	Head height	Low:1.5mm, Middle:2.0mm, High:2.5mm
	Number	2
Media	Roll media width	Maximum : 1,625mm Minimum : 500mm
	Maximum media thickness	1.0mm or less is recommended
	Diameter	Φ200mm or less
	Core diameter	2 or 3 inches
	Weight	30kg or less
Maximum print width		1,615mm
Ink	Type	AQUAFUZE™
	Configuration	4 color (Cyan, Magenta, Yellow, Black)
	Capacity	1,000ml ink bag

Interface	Gb-Ethernet (1000BASE-T)
Power supply	Voltage : AC100V~120V±10%/AC200V~240V±10% Frequency : 50/60Hz ±1Hz
Power consumption	Operation 1.4kW or less, Maximum 2.7kW or less
Dimensions (W)×(D)×(H)	Body size : 2,770mm×895mm×1,428mm With ink case installed : 2,770mm×895mm×1,611mm
Weight	Printer body : 146kg Stand : 32kg Take-up unit : 8kg
RIP software	Genuine RIP software VerteLith

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- Product specifications and appearance are subject to change without notice after improvement revisions, etc.
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Learn more about MUTOH at: <https://www.mutoh.co.jp/en/>

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