Acuity Prime **Hybrid**

Versatile & ultra reliable

The Acuity Prime Hybrid is a mid-range LED UV wide format hybrid printer capable of printing on both rigid and roll media. The design of the printer is based on the award-winning Acuity Prime, including the printhead carriage, ink system, Automatic Printhead Maintenance System (APMS) and software interface.

The Acuity Prime Hybrid can be configured with up to 7 channels, with CMYK as standard, and optional White, Clear and Primer, and produces stunning quality print, able to produce droplet sizes down to 7pL. It handles flexible and rigid media up 51 mm thick, and roll media up to 2m wide, and benefits from an ultra-reliable and long lasting air cooled LED UV curing system.

It features a 4 zone vacuum system, and can produce print at speeds up to 141 m²/hr. The printer is suitable for an incredibly wide range of applications, but can also be configured with an optional primer, extending the range of applications that can be printed even further.

The Acuity Prime Hybrid also has a range of built-in safety features designed to maximise print uptime, which include anti-collision protection, with crash sensors deployed at both ends of the carriage, and an ioniser bar that reduces static on the media surface. Like the Acuity Prime, the printer also benefits from remote operation.

Acuity Prime Hybrid
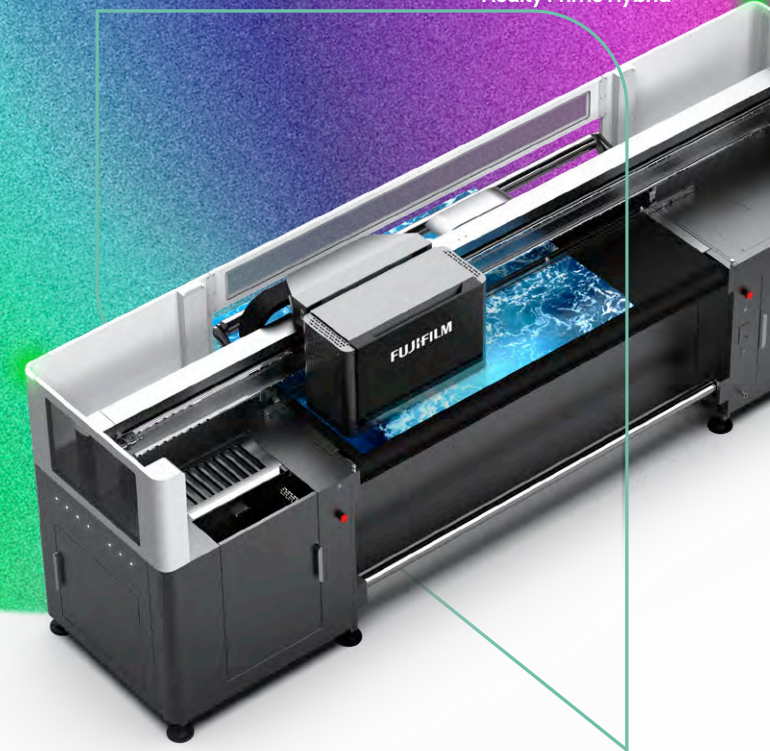
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Key features

- Ultra-versatile, high quality printer
- Native 7 picolitre, 3 level greyscale printheads
- 2 m width
- Long lasting, air cooled LED UV curing system
- 4 vacuum zones
- Uvijet HM high performance inks
- 7 channels (CMYK plus optional White, Clear and Primer)
- Up to 141 m²/hr roll-to-roll
- Prints on heat-sensitive materials
- Intuitive GUI

Technical specifications

Acuity Prime Hybrid		
Ink	Uvijet HM ink	
Colour	CMYK plus White, Clear and optional primer	
Maximum printable width	2000 mm	
Productivity	up to 141 m²/hr	
Maximum printable length	**Rigid**	1350 mm when 1 table is connected
		2120 mm when 2 tables are connected
Maximum media weight		45 kg/m²
Maximum roll diameter	**Roll**	320 mm outer diameter
Maximum media weight		100 kg / roll
Maximum media thickness	51 mm	
Printer size	4292 mm x 990 mm x 1525 mm (without the table)	
	4292 mm x 2530 mm x 1525 mm (with the table)	
Recommended operational area	7.29 m x 5.53 m	
Compressed air	>0.2 MPa. 0.6 MPa is recommended (min 40m³/min air flow capacity)	
Weight	1500 kg (printer)	
	94 kg (each table)	

Suitable for use with a wide range of media

Media	Category	Media
Roll	**Window display film**	PE, clear PET, PVC, etc.
	Poster sheet	Non-coated paper, coated paper, Yupo paper
	Sign & display sheet	Self-adhesive PVC, Tarpaulin, Self-adhesive vinyl, self-cling PVC, polycarbonate, SAV, banner, polyester textiles
Rigid	**Sign & display board**	PC, PVC, PET, PP, PS, Correx, Expanded plastic composite, Aluminium composite, ACM, acrylic, foam PVC, etc.
	Industrial board	A primer may aid adhesion to a variety of industrial media

Print modes and speeds

Model	Acuity Prime Hybrid		
Smoothing modes	33	66	100
Sketch	141	N/A	109
Draft	92	73	61
Express	61	53	40
Production	43	38	28
Quality	28	27	19
Fine Art	22	21	14

*speeds in m²/hr

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