

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 to 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.

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Key features

- Ultra-versatile, high quality printer
- Native 7 picolitre, 3 level greyscale printheads
- 2.05 m width
- Long lasting, air cooled LED UV curing system
- 4 vacuum zones
- Uvjet 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 optional White, Clear and Primer |
| Maximum printable width | | 2050 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