



Acuity Aristo series

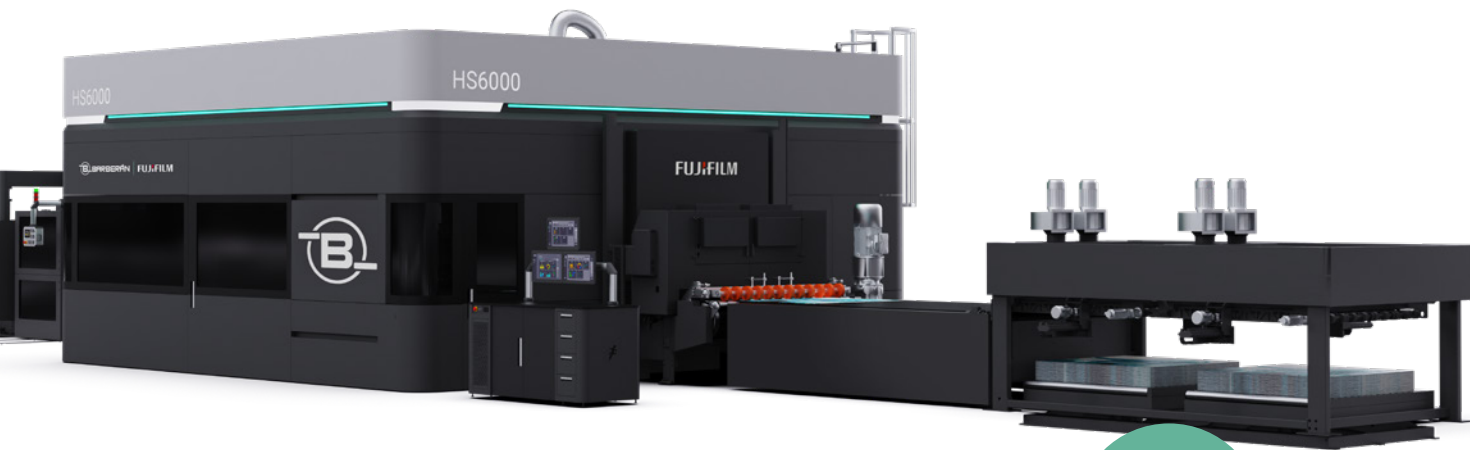
PRODUCT BROCHURE



AcuityAristo

Welcome to next generation wide format single pass

Acuity Aristo brings a new era of productivity and quality to display graphics production. Developed through a collaboration between Barberan and Fujifilm, it combines industrial precision engineering with advanced ink chemistry to deliver outstanding print at scale.



Market-leading quality, extreme productivity

Acuity Aristo is the first single-pass, wide format printer in its class to operate high-resolution 600 dpi printheads with a small 5 picolitre drop size, setting a new benchmark for print quality at speed.

The flagship HS6000 delivers close to 3000 boards per hour. This is next generation single-pass, where speed and quality are no longer a trade-off.



600 dpi native resolution

Double the detail of earlier single pass systems, even at top speeds.

5 picolitre drop

Achieve 3 point text, smooth gradients, and subtle tonal transitions.

MasterVision intelligent inspection

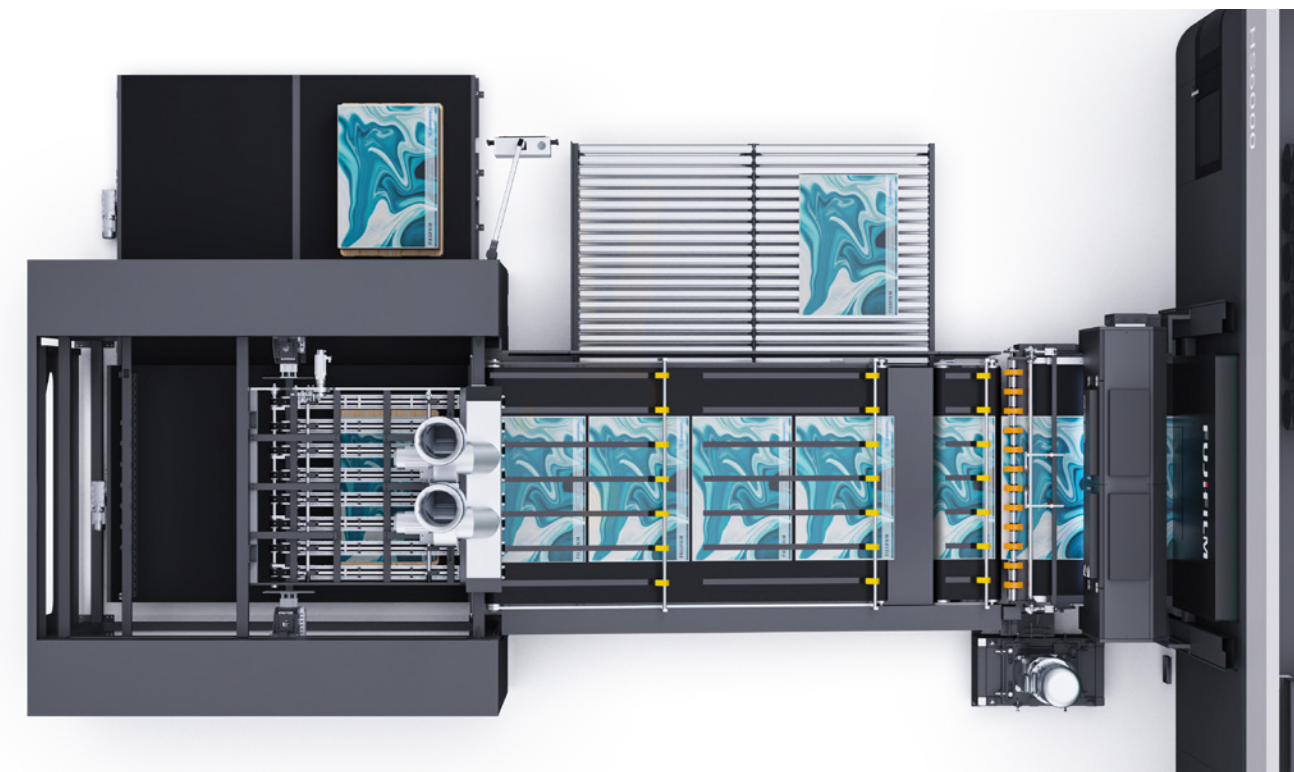
On-the-fly monitoring and automatic calibration to maintain optimum quality.

Fully-automated production

High-speed single pass printing demands equally advanced automation to sustain throughput and minimise downtime. Acuity Aristo has multiple automation options, and the fully modular design concept means it can be configured for your needs today and scaled for tomorrow.

Primer-free advantage

When you are producing a wide range of print jobs every day, you need production flexibility. Acuity Aristo can print on many materials directly without primer. This reduces consumables, lowers energy use, and speeds up turnaround, cutting operating costs and improving efficiency.



1st gen single-pass systems



300 dpi

Acuity Aristo



600 dpi

Dedicated ink chemistry

Acuity Aristo LED curing inks are developed for the performance demands of high-productivity single-pass printing. With an exceptional gamut for vibrant, colour-accurate output, the high-functionality chemistry enables many materials to be printed without primer.

A versatile general ink set covers the full spectrum of display materials, while specialist sets provide enhanced performance for focused production. Varnish supports a wide range of finishing requirements.



A complete tailor-made solution for display graphics

Acuity Aristo is fully modular, designed to be configured for your specific production goals. The series includes two print units, ink set options, and an extensive range of powerful automation and finishing modules.

Ink options

A range of advanced UV-LED inks engineered for single-pass performance.

Uvijet HS

Excellent general performance for companies printing across multiple materials.

Uvijet HC

Optimised formulation for primer-free printing on corrugated sheet, paper and board.

Uvijet HX

Enhanced adhesion and primer-free printing on polypropylene, polycarbonate and acrylic.

Uvijet



HS3000

Compact, efficient, and accessible, producing up to 1224 sheets per hour with automation. Next generation 600 dpi print engine.

HS6000

High-volume powerhouse, delivering up to 2926 sheets per hour with automation. Next generation 600 dpi print engine.

1 Acuity Aristo HS3000 with manual feed

Ideal for fast turnaround of shorter runs and with a max print width of 1610 mm and unlimited material length.

- Manual feeding
- OPV applicator + UV dryer
- Alignment table
- Print system (with/without enclosure)
- Manual stacking

Acuity Aristo HS 3000



2 Acuity Aristo HS3000 with pallet-to-pallet automation

Ideal for fast turnaround of longer length runs with pallet-to pallet automation and max material size of 1610 x 3000 mm.

- Pallet-to-pallet top feeder
- OPV applicator + UV dryer
- Alignment table
- Print system (with/without enclosure)
- Pallet-to-pallet top stacker

Acuity Aristo HS 3000



3 Acuity Aristo HS6000 with continuous rigid media feed

Ideal for fast turnaround of longer length runs with pallet-to pallet automation and max material size of 1610 x 3000mm.

- Bottom feeder
- AQ primer
- Print system (with/without enclosure)
- Inspection system
- Pallet-to-pallet top stacker

Acuity Aristo HS 6000

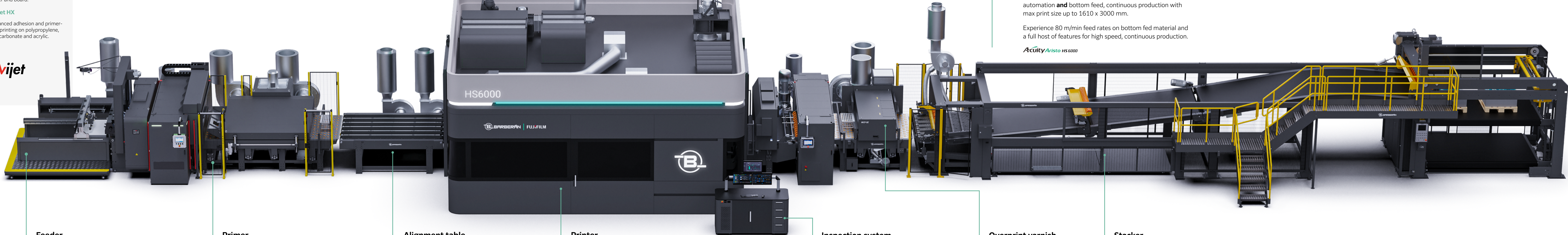


4 Acuity Aristo HS6000 ultimate production

The Acuity Aristo HS6000 includes top feed, pallet-to-pallet automation **and** bottom feed, continuous production with max print size up to 1610 x 3000 mm.

Experience 80 m/min feed rates on bottom fed material and a full host of features for high speed, continuous production.

Acuity Aristo HS 6000



Feeder

A unique hybrid feeder with both top and bottom feeding capable of handling most typical display media.

Primer

A high performance priming and curing station for both water-based and UV primers, jet drying and in-line maintenance access.

Alignment table

Precision alignment conveyor system to square and centre media relative to the print system.

Printer

Next generation wide format, single pass digital printer for display graphics fuelled by Fujifilm Uvijet LED curing inks.

Inspection system

The MasterVision inspection system uses automated vision technology to detect and address issues on the fly.

Overprint varnish

Doctor roller system with UV based OPV used to achieve flawless matt and satin finishes.

Stacker

A customised stacking system capable of handling all typical display and signage media.

These example configurations can be fully customized to meet your specific needs. Configuration designs are subject to change.

Acuity Aristo

From a powerful collaboration

Two industry leaders
in partnership to
deliver something
truly revolutionary



Precision inkjet engineering...

Barberán brings decades of expertise in industrial print system design and precision manufacturing. Customer configured machines are built in Europe, delivering robustness, longevity, and future-proof engineering.

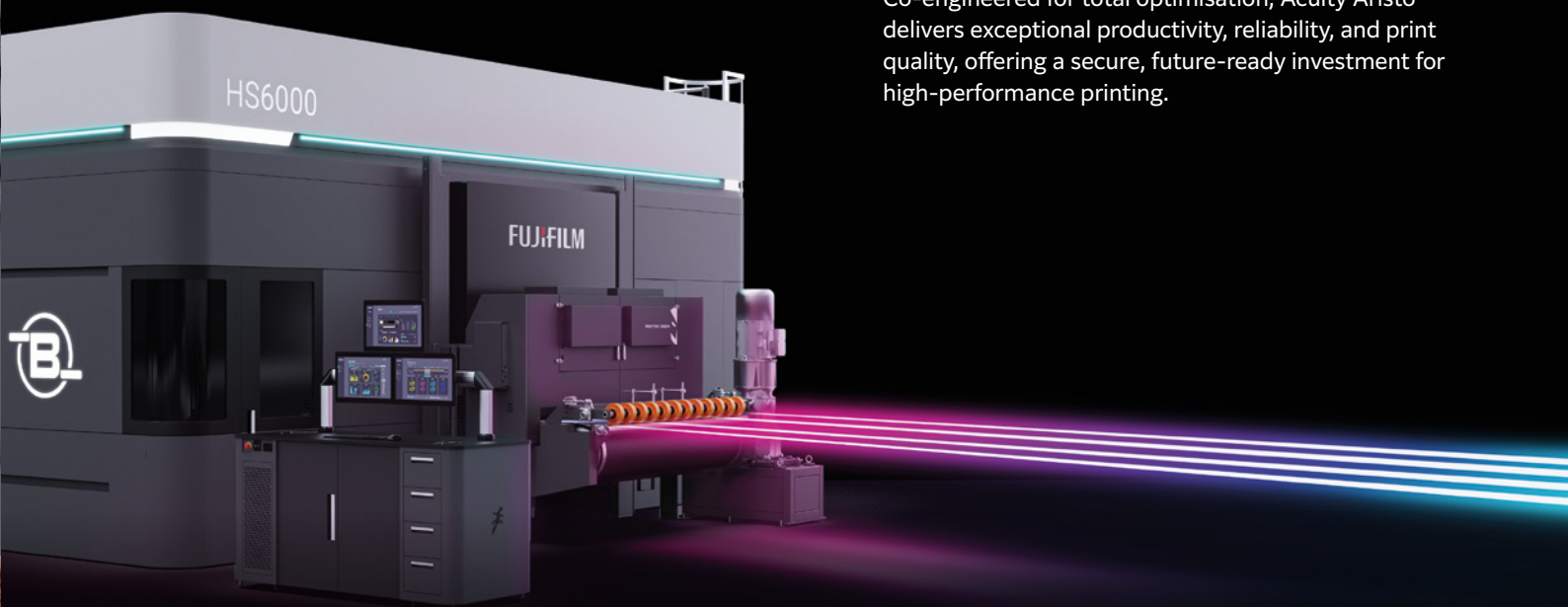


...advanced ink science...

Fujifilm contributes deep knowledge of inkjet chemistry, developing inks from the ground up for advanced performance and reliability. Rigorous quality control ensures flawless, consistent supply.

...perfectly integrated

Co-engineered for total optimisation, Acuity Aristo delivers exceptional productivity, reliability, and print quality, offering a secure, future-ready investment for high-performance printing.



To find out more and get in touch, visit
acuityaristoseries.com

