

Anapurna H3200i LED

Stand out and let our hybrid LED wide-format UV-inkjet printers differentiate your decoration and communication jobs.



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The wide-format hybrid Anapurna H3200i LED is a perfect fit for sign shops, digital printers, photo labs and mid-size graphic screen printers that want to combine board and roll-to-roll print jobs. The 6-color engine prints at a width up to 3.2 m and combines high quality with high productivity for outdoor and indoor, rigid and flexible wide-format jobs. It is equipped with UV LED lamps, enabling you to print on a wider media mix and to save energy and costs. The white ink function creates possibilities for printing on transparent material for backlit applications or for printing white as a spot color. With the automatic board feeder, productivity is increased even more.

Reliable workhorse

Featuring a robust and industrial engineered concept fit for sustained higher workloads, and incorporating the latest generation of fast-firing print heads, the hybrid Anapurna i-series with UV-LED curing offers a high throughput while also achieving a high level of print quality. At maximum speed you will be able to maintain a high print production on all your substrates, satisfying your most demanding customers. Borderless or multiple boards printing increase productivity even more.

A wide range of applications

The Anapurna H3200i with UV-LED curing adds more versatility to your business as it expands your range of applications. It produces top-quality prints on uncoated rigid media, such as corrugated boards, rigid plastics, exhibition panels, stage graphics and advertising panels, as well as roll media such as film, vinyl and paper, canvas and banners. It can also be used to print niche products such as wood, DVDs or personalized objects, or to create architectural and interior decoration.

The use of specialty inks and the little heat generated by the LED array passing over the

substrate allows you to print a wider range of materials. As a result, the engines can print on thin heat-sensitive styrenes as well as everything from foils and laminates to coated paper, PET, fluted polypropylene, soft foam boards, or industrial film.

Top quality

Thanks to a reinforced belt drive and shuttle beam, the Anapurna H3200i LED printer brings a highly accurate dot positioning and thus excellent image quality, which is further enhanced by the 3-pass mode with gradient functionality. The eight 12 picolitre heads guarantee printing of good solids, fine text reproduction of up to 4 pt, good tonal rendering and low ink consumption.

Multiple board and automatic board printing

The printer can have an automatic board feeder added in order to increase productivity substantially. This optional table provides an automated solution for volume printing of small board sizes — up to 4 boards can be printed in parallel. The borderless printing feature makes post-finishing superfluous.



UV LED.

The hybrid inkjet systems are equipped with powerful, air-cooled 16 Watt/cm² UV LED lamps, which results in a number of unique advantages related to generating extra business, cost savings and environmental friendliness:

- Thanks to the minimal heat output, a printer using UV LED-curing can print on a wider media mix, and in particular more heat-sensitive substrates without warping or wrinkling. Less heat generation also means a very stable bi-directional calibration.
- LED lamps lead to faster operations and therefore higher productivity, as they can be switched on/off instantaneously, without degradation of intensity. There is no lamp warm-up time and no shutter open/close delay.
- LEDs last 10,000+ hours v. 500 hours (effective) for mercury lamps, with a consistent output over their operating life. There is no downtime for changing lamps, nor are there consumable lamp costs. The lifetime of the UV LED lamps is in line with the lifetime of the printer.
- As LEDs have a maximum energy consumption of 1 kWh per module, compared to 4kWh per UV-mercury lamp, they lead to big power savings—from 8kWh per engine (continuously) down to 2kWh (when printing).
- As UV LED lamps contain no mercury, the need for disposal and the related costs are obviated.
- LEDs do not produce ozone gas that needs to be extracted by ventilation.



Designed for the greatest possible

Reinforced beam

Sees to it that the shuttle moves about flawlessly ensuring accurate dot placement.

Ionization bars

Ionization bars mounted on the carriage remove electro-static charges on the substrate, ensuring optimum ink droplet placement.



Multiple board and borderless printing

Multiple board printing is possible to maximize your productivity even more. The borderless printing feature makes post-finishing superfluous.

deployment and convenience.

Shuttle safety sensors

A set of shuttle safety sensors prevents print heads from touching the substrate and getting damaged.

LED lamps

The Anapurna H3200i LED is fitted with air-cooled UV LED lights, which provide an energy saving of approximately 67% compared to UV mercury vapor lamps. Due to the minimal energy output, they are ideal for thermally sensitive materials, e.g. thin slides, self-adhesive sheets, or stretched ceiling materials made of PVC fabric.

Convenient operator interface

All settings are conveniently arranged in a powerful straightforward graphic user interface on a swivel-arm mounted touch screen. Printed files are being spooled, viewed and stored by an internal bitmap server with a HD of 1 TB for ripped images for fast spooling and secure transfer of big amounts of data.

Ink monitoring

During production the ink levels are monitored by the automatic ink refill system. The ink (re)filling system can be accessed easily, enabling a spotless refill of your ink containers. The white ink is managed by a fully separate system (circulation, under-pressure regulation and cleaning circuit). The tank containing it is equipped with a stirring mechanism to keep the ink properly mixed at all times.

BEST-IN-CLASS AGFA-MADE LED INKS IN THE MIX

Agfa Graphics' specially formulated LED inks deliver fast drying, a wide color gamut, and high color vibrancy, as well as consistent results. These inks — both white and color — bring high image longevity and outdoor resistance, making them the best choice for a wide range of applications. They can print on thin and heat-sensitive substrates, enabling you to handle more applications. On top of that, thanks to their high-pigment load, the ink consumption per square meter is low. This so-called 'Thin Ink Layer' technology saves costs

RELY ON WHITE

The hybrid Anapurna LED printers work with Agfa Graphics' highly opaque white inks. This means you obtain a qualitative white output with low ink consumption on colored or dark substrates as well as on transparent material for backlit or backlit/frontlit applications. Alternatively, you can use white simply as a spot color. Also, as the print heads can be divided up, the hybrid Anapurna LED printers have the possibility to run pre-, post-white or sandwich white in one production run, thus greatly expanding application possibilities.

Driven by Asanti workflow software

Just like all wide-format printers from Agfa Graphics, the hybrid Anapurna LED printers are part of an integrated solution, including Agfa Graphics' Asanti wide-format workflow software, which streamlines production processes, increases productivity and maintains consistency across the board. Asanti removes the hit-and-miss elements of print production so that you can integrate all of your pre-press elements and the result is a fully accountable end-to-end quality management solution. Say goodbye to errors and costly remakes.

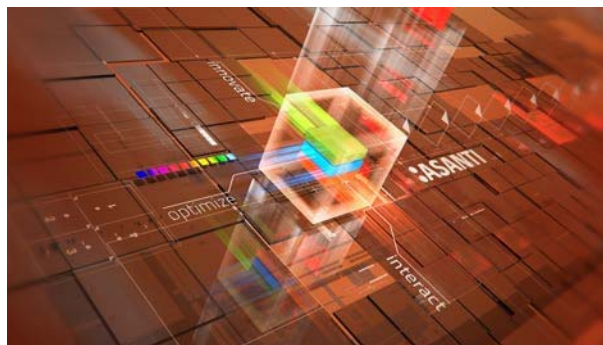
Accuracy and consistency

The huge variety of file types to be handled significantly slows down the processing of print jobs and often leads to errors. These difficulties are overcome with the Asanti software. As the print settings for different media are stored in a database, Asanti is able to quickly call up the appropriate specifications and apply them. Rendering, image and color quality are automated, and Asanti checks files prior to printing, ensuring layers and transparency have been handled correctly, while flagging potential issues. By dramatically simplifying the task of the operator, reducing idle time and efficiently catching issues prior to printing, turnaround is reduced and productivity is increased.

New GUI

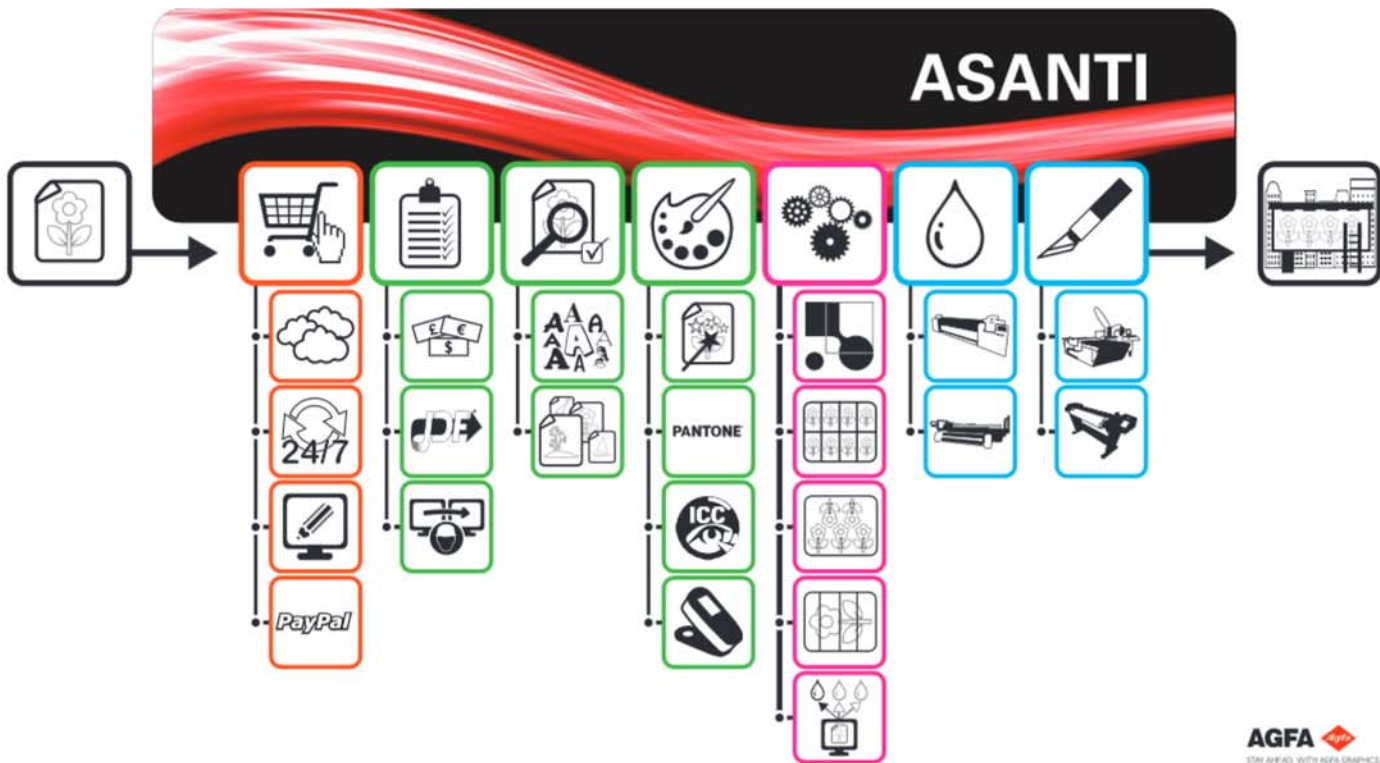
The Asanti GUI works with improved visualization of the job layout and positioning: operators can see exactly what they are printing. Extra accuracy is provided through the bi-directional communication with the Jeti Tauro printer. All the necessary production parameters that were specified during job preparation

are picked up by the engine, thus avoiding potential mismatches between file preparation and output. The GUI offers access to key print parameters to make sure any last-minute changes are quick and easy to apply. Print progress and even printing time estimations are provided. This complements the autonomy of the machine beautifully, ensuring operators are not tied to the printer when other tasks demand their attention.



Asanti – more than just a RIP





Asanti StoreFront

Asanti StoreFront, a comprehensive web-to-print service, is designed to handle incoming orders from the internet. Automated payment processing and error-free print preparation ensure new jobs are ready for printing in no time and with a minimum of operator intervention.

Asanti StoreFront web-to-print software



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Media & Printing Specifications

Rigid media

| | |
|----------------|--|
| Maximum width | 321 cm (10.5 ft) 316 cm (10.3 ft) with borderless printing |
| Maximum length | Supported by 1 rigid roller table: 140 cm (4.59 ft) Supported by 1 rigid roller table + media extension table (default): 320 cm (10.5 ft) |
| Minimum size | A2 landscape (60 x 42 cm – 1.97 x 1.4 ft) |
| Thickness | Minimum thickness: 1 mm (0.04") Maximum thickness: 45 mm (1.77") |
| Maximum weight | 10 kg/m ² on printing table (22 lb) |

Flexible media

| | |
|------------------------------------|--|
| Maximum width | 320 cm (10.5 ft) |
| Maximum length | n/a – restricted by weight and diameter |
| Thickness | Min. 0.2 mm |
| Maximum weight | 0.31kg (0.682 lb) per cm (0.4") roll width, meaning 100kg (220 lb) evenly distributed over the full 3.2m(10.5 ft) width |
| Maximum roll outside diameter | Support for 3" core-media rolls with maximum outside diameter 36 cm (14.17") (larger diameter upto 50cm (19.7") can be allowed within the distributed weight limitation, in case the customer don't use print side IN but only print side OUT – both unwinder and winder) |
| Borderless printing flexible media | 316 (10.3 ft) |

Productivity (For ABF dependent on size and number of boards)

| | |
|-------------------|--|
| Draft mode | Up to 129 m ² /h (Up till 1.388 ft ² /h) |
| Express mode | 77-87 m ² /h (829-936 ft ² /h) |
| Production mode | 39-64 m ² /h (420-689 ft ² /h) |
| Standard mode | 23-34 m ² /h (248-366 ft ² /h) |
| High-quality mode | 9-19 m ² /h (97-205 ft ² /h) |

Print Heads & Inks

| | |
|-------------|--|
| Print heads | 6 Konica-Minolta KM1024i-heads: 1024 nozzles/head with a droplet volume of 12 pl (colors) 2 Konica-Minolta KM1024i-heads: 30 pl (white in line) |
| Inks | CMYKcLm + white |

Image & Text Quality

| | |
|---------------------|---------------------------------------|
| Prints high quality | Up to 720 x 1400 dpi |
| Text quality | Positive: 4 point / Negative: 6 point |

Engine Weight & Dimensions

| | |
|--------------------------------|-------------------------------------|
| Printer dimensions (H x W x L) | 177 x 572 x 193 cm (70 x 225 x 76") |
| Weight | 2.800 kg (6.170 lb) |

Electricity & Compressed Air

| | |
|----------------|--|
| Electricity | 380 V 3-phase star connection with Neutral wire (3x 32A) 50/60Hz 230V 3-phase delta connection without Neutral wire (3x 30A) 50/60 Hz |
| Compressed air | Oil-free Class 1 according ISO 8573-1 2010), 160 l/min compressor with 50l barrel @6bar |

System Integration RIP / Workflow software

Integrated production solution with Asanti, third-party RIP integration possible



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