

Complete
solutions



Hybrid
printer



Sign and
Display



Automation



Low ink
consumption

Tauro H3300 series

A versatile and scalable high-speed UV LED wide-format inkjet printer range, adapt at handling a wide variety of flexible & rigid substrates and equipped with advanced automation options

The sturdy hybrid Tauro H3300 printers deliver vivid high-quality prints up to 3.3 m wide at a speed up to 905 m²/h.

THINK INKJET
THINK **AGFA**



Transform your productivity

Hybrid UV LED 3.3 m wide-format inkjet printers

The Tauro H3300 printer series excels through a combination of award-winning image quality, low ink consumption, extreme productivity, and high autonomy. Suited for a wide variety of rigid and flexible substrates up to 3.3 m wide, these all-in-one hybrid workhorses offer you countless options to create eye-catching large-format prints at up to 905 m²/h.

Heavy-duty robustness

In the Tauro H3300 range, you'll find heavy-duty hybrid printers that are built for multiple-shift operation and 24/7 printing. Maintenance is limited and easy, guaranteeing the highest possible uptime.



The UHS model is a perfect fit for extreme workloads. It features additional print heads, 20-liter ink tanks for greater autonomy, ultra-strong beam and linear motors, and a very powerful PC to process large files or more jobs.

Automated operations

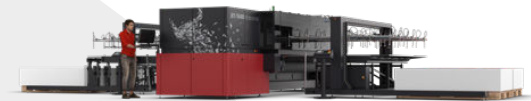
For larger runs or runs with multiple board stacks, all Tauro H3300 models throw in several automation options to up your production efficiency. These include an automatic board feeder (ABF), as well as a fully automated feeding and unloading system for rigid & sheet materials. For roll media, the Tauro family offers dedicated automation options, like Flex Roll-to-Roll or Master Roll-to-Roll units.



The UHS model can be extended with an automatic loader and unloader, the first of which can in turn be enhanced with a double gantry for even smoother and faster loading, in sync with the engine's phenomenal printing speed.

All Tauro H3300 models are perfectly able to process large quantities of print jobs that come in through a printer's online store. The Asanti workflow software automatically prepares files, groups jobs, and loads calibrated print modes (CPMs) for optimal image quality and color consistency.

Tauro H3300 printer models



Tauro H3300 UHS

- Up to 905 m²/h
- 4 or 6 colors
- 8 rows of print heads and 8 CMYK color bars
- Extra cyan & black color bars for print redundancy in dark colors
- Optional white, or white and primer
- Advanced automation
- Extended vacuum for cardboard printing



Tauro H3300

- Up to 680 m²/h
- 4 or 6 colors
- 6 rows of print heads and 8 CMYK color bars
- Extra cyan & black color bars for print redundancy in dark colors
- Optional white, or white and primer



Tauro H3300 HS

- Up to 680 m²/h
- 6 colors
- 6 rows of print heads and 6 CMYK color bars
- Optional white, or white and primer
- Includes varnish as a standard feature



Tauro H3300 S

- Up to 450 m²/h
- 6 colors
- 4 rows of print heads and 6 CMYK color bars
- Optional white, or white and primer
- Upgradable to Tauro H3300 HS LED with optional white, primer, varnish

Industry-leading print quality for extremely vivid prints

The Tauro printers deliver a wide color gamut and high color vibrancy. Asanti's color management module allows for accurate mapping of spot colors and neutral gray printing, while the precise media transport results in excellent solid color reproduction on a wide variety of media. The 6-color models include light black, guaranteeing a perfect neutral gray balance.

The print quality resembles offset printing, with fine details and smoothness throughout. The 7-pl droplets produce stunning images up to 1200 dpi with a fine rendering of shadow and highlight details, and razor-sharp texts in as small as 4-point type, both in positive and negative text. The printers also excel in smooth ramp-ups over the tonal range, with outstanding skin tone rendering.



HDR

NON-HDR

A whole new level of brilliance

HDR screenings, available as an option in our Asanti workflow, extend the color gamut and provide better Pantone reproduction without sacrificing speed. This will enable you to achieve your customers' brand colors better without having to slow down your press.

A myriad of applications

The Tauro H3300 range prints on a wide variety of media, including Falconboard®, Dibond®, Forex®, Foam-X®, polystyrene, carton and PVC, as well as (self-adhesive) vinyl, blue-back paper, canvas, coated paper and PET foils. This makes them suited for banners, posters, signage, exhibit graphics, POP, mockups, backlit, front-lit, self-adhesives, etc. They can also be used for niche applications such as wood, art reproductions, glass, or interior decoration.



Great for cardboard

Thanks to its super-sturdy build, its dynamic extended vacuum zone, advanced automatic loader and smart media guides, the **Tauro H3300 UHS** is especially suited for cardboard printing.

Varnish for luxury embellishment

The **Tauro H3300 HS** and UHS models offer producers of **corrugated cardboard displays** the option to add a layer of **high-gloss or satin varnish** – either applied to the entire surface (flood varnish) or to selected spots (spot varnish). The varnish embellishes the prints with a fine luxury look, while also protecting them to some extent.



Great skin tone rendering



Details in shadows and highlights



Tauro H3300 – Full automation

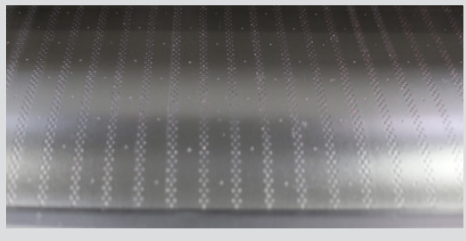
Continuous, fully automated board printing up to 3.3 m wide in multiple lanes

DYNAMIC VACUUM CONTROL

The dual-section vacuum system ensures that the printing process runs smoothly and efficiently. Precise dot positioning and accurate media transport are guaranteed. The vacuum gets adjusted automatically, depending on the presence/absence of media, as well as on their size.



The patented extended vacuum zone of the UHS model ensures that print media – including cardboard – lie flat on the table.

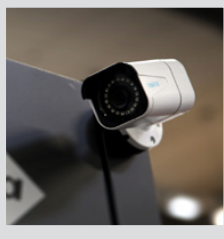


MEDIA GUIDES

Media guides serve as an extra aid to keep warp-prone media flat at all times. They are easy to access and change in view of the required media thickness and width.

CAMERA SURVEILLANCE SYSTEM

Four optional cameras can record all the printer's moves for easy monitoring.



PICK & PLACE LOADER

Boards or sheets are picked up directly from the pallet(s) and placed on the alignment table for vertical and horizontal alignment. Next, they are moved towards the vacuum belt, which ensures a smooth and precise transport into the printing area.



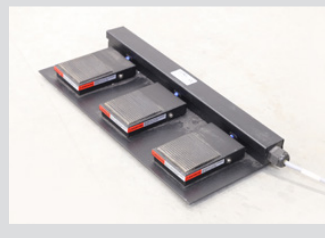
The UHS model has a high-speed loader with an optional double gantry and is capable of loading media up to 2.65 m

UV LED

Air-cooled UV LED-curing lamps are energy-efficient and enable printing on thin heat-sensitive media. They offer major advantages in terms of performance, maintenance, the environment – and overall ROI.

BOARD DETECTION SENSORS

Optical media sensors automatically detect whether boards or sheets have been placed, in order to avoid accidental printing on the transport belt.



PEDAL-CONTROLLED

The printing itself, the vacuum table and the roll bars can all be controlled by an easy-to-use pedal.



SCISSOR LIFT ON DRIP TRAY

A scissor lift right underneath the printing heads lowers the drip tray for more convenient cleaning.



STATE-OF-THE-ART PRINT HEAD SHUTTLE

The print head shuttle is equipped with fast-firing Ricoh print heads, an anti-electrostatic ionizer bar and safety sensors to prevent collisions. A welded steel beam with aligned rails, an encoder strip, and linear motors allows for highly precise movement and drop positioning.



In the UHS model, the linear motors are even more powerful, while strengthened rails absorb their lateral force. As a result, the larger shuttle moves nearly vibration-less across the beam.



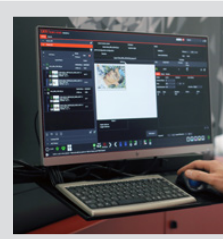
PICK & PLACE UNLOADER

After printing, the unloader picks up the boards or sheets from the output conveyor and stacks them directly onto the pallet(s).



GLOSS MODE

Use the gloss mode for enhanced spot color reproduction without loss of image quality or extra ink usage.



INTUITIVE USER INTERFACE

The intuitive GUI – integrated with Asanti for bi-directional communication – provides a layout preview as well as details about the job status, ink levels, and required maintenance. Managing the printing queue is easy and even last-minute changes are possible. Thanks to the **Calibrated Print Mode** feature, up to ten 'media recipes', containing all parameter settings for a particular substrate, can be selected with one click.

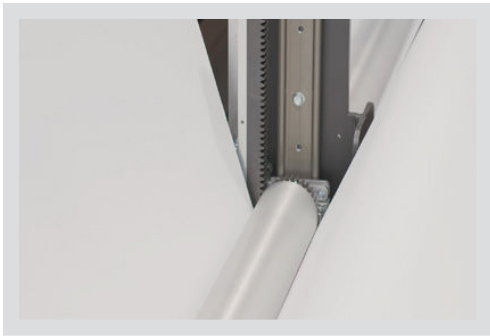
CLEAN AND ERGONOMIC INK SUPPLY SYSTEM

Large containers (8 l, and even 20 l for the UHS) allow for long uninterrupted printing and a high autonomy. The RFID tags ensure correct ink supply to the print shuttle, and refilling is easy and can even be done during printing if needed.

Tauro H3300 – Master roll-to-roll

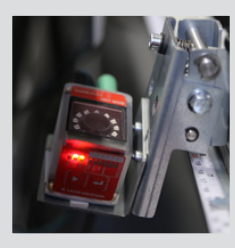
SINGLE-ROLL OR DUAL-ROLL

Single rolls can be up to 3.3 m wide, while in dual printing mode, rolls can be up to 1.6 m wide. Both single and dual rolls can be 600 mm in diameter and weigh up to 700 kg, depending on the roll width. Changing from single to dual-roll printing and vice versa is fast, as is undocking the roll-to-roll system in order to switch to rigid mode.



BALANCING ROLL SYSTEM

The balancing roll at the input side regulates the speed of the media unwinding and creates constant tension for wrinkle-free printing in all events.



BACK-TO-FRONT CAMERA

The optional back-to-front camera facilitates accurate double-sided printing, using QR codes generated by the printer's user interface.



GLOSS MODE

Use the gloss mode for enhanced spot color reproduction without loss of image quality or extra ink usage.

UV LED PRINTING

Air-cooled UV LED-curing lamps are energy-efficient and enable printing on thin heat-sensitive media. They offer major advantages in terms of performance, maintenance, the environment – and overall ROI.

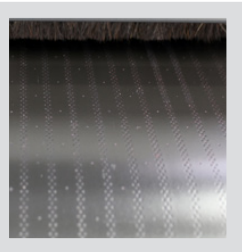


STATE-OF-THE-ART PRINT HEAD SHUTTLE

The print head shuttle is equipped with fast-firing Ricoh print heads, an anti-electrostatic ionizer bar and safety sensors to prevent collisions. A welded steel beam with aligned rails, an encoder strip, and linear motors allows for highly precise movement and drop positioning.



In the UHS model, the linear motors are even more powerful, while strengthened rails absorb their lateral force. As a result, the larger shuttle moves nearly vibration-less across the beam.

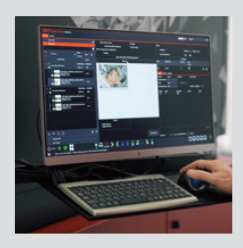


DYNAMIC VACUUM CONTROL

The dual-section vacuum system guarantees precise dot positioning and accurate media transport. The vacuum gets adjusted automatically, depending on the presence/absence of media, as well as on their size.

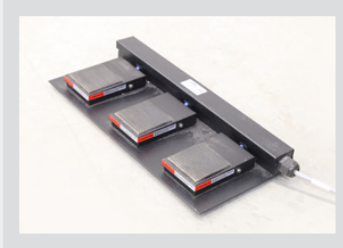


The patented extended vacuum zone of the UHS model ensures that print media are kept wrinkle-free.



INTUITIVE USER INTERFACE

The intuitive GUI – integrated with Asanti for bi-directional communication – provides a layout preview as well as details about the job status, ink levels, settings and required maintenance. Managing the printing queue is easy and even last-minute changes are possible. Thanks to the **Calibrated Print Mode** feature, up to ten 'media recipes', containing all parameter settings for a particular substrate, can be selected with one click. For dual-roll printing, the GUI can control a dual queue in order to print both rolls simultaneously.



PEDAL-CONTROLLED

The printing itself, the vacuum table and the roll bars can all be controlled by an easy-to-use pedal.



SCISSOR LIFT ON DRIP TRAY

A scissor lift right underneath the printing heads lowers the drip tray for more convenient cleaning.



CLEAN AND ERGONOMIC INK SUPPLY SYSTEM

Large containers (8 l, and even 20 l for the UHS) allow for long uninterrupted printing and a high autonomy. The RFID tags ensure correct ink supply to the print shuttle, and refilling is easy and can even be done during printing if needed.



The light roll-to-roll version is ideal for occasional, single roll-to-roll work.

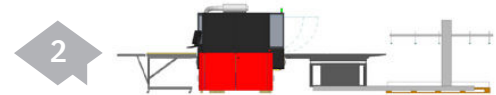
Seven loading/unloading configurations



Manual loading and unloading

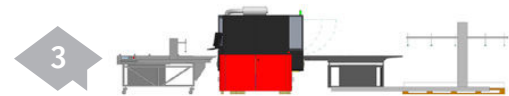
- Input and output tables for single or multiple board printing
- Perfect for short runs or handling different types of media
- Optional 3-point alignment bar on the input tables allows for easy and accurate media alignment. This supports more precise double-sided printing of thin media or skewed media, as well as correct cutting, e.g. of cardboard for packaging.
- Embedded continuous print solution enhances productivity in rigid mode as it narrows down the gap between two consecutive boards

Can be combined with light RTR, flex RTR, master RTR or an automatic board feeder.



Semi-automation

- Manual loading table, automated unloader
- Optional 3-point alignment bar on the input tables allows for easy and accurate media alignment. This supports more precise double-sided printing of thin media or skewed media, as well as correct cutting.



¾ automation with automatic board feeder (ABF)

- Manual loading with automatic alignment and transport to the printer
- Ideal for shorter runs or fast and efficient changeover between different media sizes or types. The ABF takes over part of the operator's tasks, including accurate alignment.



Full automation

- Automatic loading and unloading
- For larger runs or runs with multiple board stacks
- Multiple boards automatically, increasing your productivity
- While one board set is being printed, the next one is being prepared
- UHS models have an optional second gantry for the fastest printing modes.



Light roll-to-roll

- For occasional, short single roll-to-roll work
- Fast switchover between roll-to-roll and sheet mode
- Maximum weight of 200 kg per roll and a diameter of 250 mm.

Can be combined with manual (un)loading tables and the automatic board feeder.



Flex roll-to-roll

- Remains docked, thus allowing swift switching between rigid and flexible media
- For roll-to-roll or roll-to-floor printing
- Single- or dual-roll printing
- Compact footprint; ergonomic & user-friendly
- Handling rolls up to 450 kg with a diameter of 400 mm
- All onboard concept: no roll switching needed between single- or dual-roll mode.

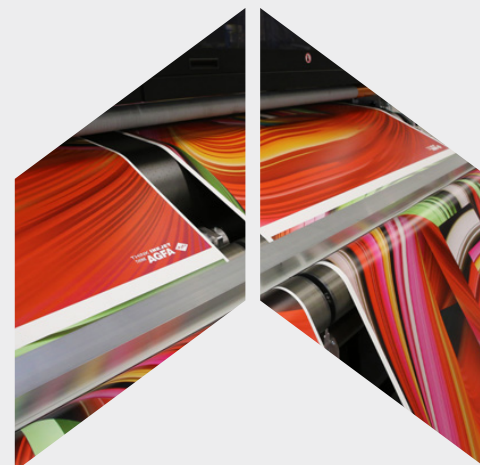
Can be combined with manual (un)loading tables.



Master roll-to-roll

- Designed to handle very large and heavy rolls
- For roll-to-roll or roll-to-floor printing
- Single- or dual-roll printing
- Handling rolls up to 700 kg with a diameter of 600 mm
- Dockable rolls for easy switching between rolls and rigids.

Can be combined with manual (un)loading tables and the automatic board feeder



Flex roll-to-roll system: Maximize production efficiency

Benefit from **increased flexibility** with the Flex RTR system. As it doesn't need undocking when transitioning from rolls to boards or sheets – the input and output tables simply attach over the roll system – **printer uptime** is increased.

The Flex RTR can handle both **single- and dual-roll printing** and features an **integrated camera for accurate double-sided printing**.

The module has a **compact footprint** and is **user-friendly**: a single operator can effortlessly load media with the simple push of a button.



Grow your business. Not your footprint.

Our printing solutions enable you to achieve extreme productivity and quality while taking care of your ecological footprint and the well-being of your employees.

LED technology

Our air-cooled UV LED-curing lamps are energy-efficient and long-lasting increase your productivity as they can be switched on/off instantly. Thanks to the minimal heat output, they let you print on thin heat-sensitive media such as self-adhesive sheets or stretchy PVC. They have a 10,000 hour-life with a consistent UV output throughout, and thus consistent ink curing and image quality.

Low maintenance

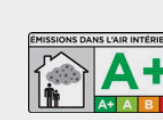
Maintenance of our printers is limited and easy, guaranteeing the highest possible uptime. The Asanti Dashboard gives you an overview at all times.

Certified inks

The low-odor **Anuvia** ink sets obtained multiple certifications and comply with a range of industry norms that pertain to the restricted use of chemicals listed by the European Union, to chemical emissions and air quality in indoor applications, to safety for toys regarding heavy metals migration and to the restriction of hazardous substances in electrical and electronic equipment.

Ergonomics

Our printers are designed taking into account best practices in ergonomics. Operating them will not put you under strain.



The perfect match: Agfa-made inks

Specially formulated to print on rigid or flexible media, Agfa’s GREENGUARD Gold certified Anuvia UV LED inks broaden the scope of possible applications. Whatever the medium or intended use, accuracy and excellent adhesion are a given.

Vibrant colors, impressive results

Agfa-made UV inks boast a wide color gamut and high color vibrancy, resulting in lively yet natural lasting prints that will impress and inspire. What’s more, you can rely on accurate spot color and neutral gray printing, as well as excellent solid colors, fine detail reproduction, and outstanding skin tone rendering.



The lowest ink consumption out there

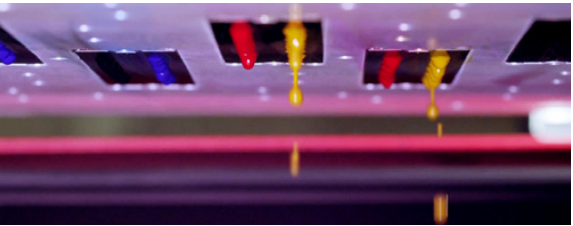
Thanks to Agfa’s patented ‘Thin Ink Layer’ technology – which relies on the exceptional color strength of the pigments in our inks, the smart algorithms in the Asanti software, and perfectly matched printer components – ink consumption per square meter is the lowest on the market. However, this does not mean that the Tauro H3300 printers compromise on quality or performance in any way. Quite the opposite is true – they produce eye-catching prints with a stable jetting performance while helping you save on your budget.

Advanced white printing and ink management

The Tauro H3300 printers support high-productivity white printing with strong opacity in multiple modes on both rigid and roll media. This is ideal for e.g. multilayer printing. Ink lines in the main ink supply chain are under constant circulation – all the way to the temperature-controlled printer heads – limiting the risk of clogging.

Primer option for better surface tension

Difficult substrates can pose adhesion and durability challenges for inkjet printing. That’s where the primer option comes in. A rapidly deposited (concurrent) primer ensures outstanding adhesion on the most difficult non-absorbent media types such as acrylic – applied either as a ‘fill’ (the whole area) or ‘mask’ (printed areas only). The UV-cured primer is applied in low-coverage percentages, so that it hardly influences your cost per square meter of output.



Asanti – Dedicated Sign & Display workflow software

The Tauro H3300 engines are driven by Agfa’s award-winning wide-format workflow software Asanti, which controls the entire printing process from prepress to production and finishing. As such, it simplifies, optimizes and automates as many steps as possible, offering you a high-performance solution for increased productivity.

Simplify & automate

Including the latest Adobe PDF Print Engine, **Asanti Render** takes care of preflighting and job conversion to guarantee smooth, error-free job handling and consistent print quality. In addition, **Asanti Production** streamlines your print operations through automatic job layout and positioning, and automatic true-shape-nesting. The automatic collection of images allows you to gather all artwork for a specific press and specific media, and to optimally nest it on the print sheet or roll, taking copy count and bleed into account.

Asanti guarantees consistent color reproduction through the creation and use of color profiles. To do so, it deploys the patented **Calibrated Print Mode (CPM)** feature, which uses easy-to-set-up production templates that contain all parameters for a particular substrate and enable automatic job creation. It will only take you 15 minutes to calibrate and profile media, and then you can enjoy hassle-free printing with optimal and consistent quality!

The **Asanti Production Dashboard** is a browser-based reporting tool that allows you to inspect the status, ink and media consumption, and printing time of jobs.

Asanti can also drive non-Agfa printers and a wide range of cutting tables, and it offers JDF/JMF-based integration with many MIS solutions. To link a non-Agfa RIP/workflow with the Tauro printers, we developed **TauroConnect**, which captures data from the workflow in place and takes care of screening, output quality, and printing parameters.

Web-to-print

As a cloud-based web-to-print solution that enables print buyers to place orders online 24/7, **Asanti StoreFront** will help you expand your customer base and increase your revenue in no time.

Easy file sharing

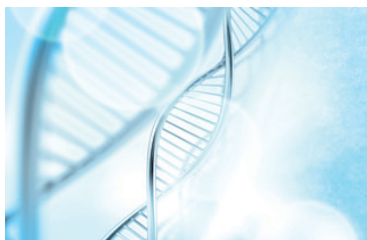
The Tauro H3300 engines integrate perfectly with **PrintSphere**, Agfa’s cloud-based service that offers a standardized way for production automation, easy file sharing and safe data storage.

Print standardization

PrintTune, our comprehensive and unique print standardization software, guarantees color consistency and ensures that printing jobs meet in-house standards or commonly known color spaces from Fogra or IDEAlliance. Through objective measuring and powerful analytics, it helps lower media waste, increase efficiency, and improve communication between all stakeholders.



Inkjet experts



The Agfa Group is a leading company in imaging technology and IT solutions with over 150 years of experience. The Digital Print & Chemicals division has been **developing and manufacturing state-of-the-art inkjet printing systems for over two decades**, empowering print service providers to become both more versatile and efficient. Our ink experts create and manufacture all our inks at our headquarters in Mortsel, Belgium. Rigorous screening and testing warrant optimal ink quality and performance. Our extensive research and development in the field of inkjet technology has led to innovative inks that are protected by a vast patent portfolio, covering topics such as ink formulations, pigment dispersions, printing methods and more.

Complete solutions



Our wide-format inkjet printing portfolio contains a range of complete solutions that consist of a **printer with matching software and inks, as well as service and support**. We know all the parts of a printing system, and we have a thorough understanding of how they interact.

That also means that we do not manufacture a single set of inks without **taking the entire print system into account**. As part of the ink development cycle, we optimize the jetting performance of our inks so that they are perfectly tuned to the print heads, substrates, workflow & color management software. That guarantees you spot-on print quality and a reliable production flow.

Service & support



Our **worldwide team of highly skilled service technicians** is on stand-by to assist you whenever needed. The fact that they are based across the globe means limited travel time, and maximal production uptime for you. In addition, we use online monitoring and diagnostic tools, allowing for remote problem solving and interventions.

Of course, we want you to get the maximum out of your printing system. First of all, we support you onsite during start-up and the first production period. Once you are up and running, we offer both standard and customized, advanced training programs. Last but not least, your feedback is important to us: we want to be **true partners** who capture your experiences, needs and challenges and help you grow.



Tauro H3300 UHS
UV hybrid/flatbed high-volume production

•
Tauro H3300 UHS with Master Roll-to-Roll
& backlit camera
Automation equipment

•
Tauro H3300 HS with varnish
UV/Latex hybrid (more than \$500k)



Tauro H3300 UHS with Flex RTR system
Automation equipment