Jeti Tauro LED

A HYBRID UV INKJET PRINTER WITH INTEGRATED ROLL-TO-ROLL SYSTEM.

A hybrid UV inkjet printer, the high-end Jeti Tauro LED relies on UV LED curing to offer you vivid six color plus white or primer prints up to 2.54 m wide, incredible productivity (up to 275 m2/h), and cutting-edge automation.

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WE EMBODY PRINT

Jeti Tauro LED

Outstanding print quality on backlit applications

Impressive prints, incredible productivity

A hybrid UV inkjet printer with integrated roll-to-roll system, the Jeti Tauro LED features continuous and automated feeding of rigid and flexible media. Its possibilities for high-end sign and display printing are endless − UV LED curing, prints of up to 2.54 m wide, print speeds up to 275 m2/hr., and countless rigid and flexible media applications. Get creative with print effects; experience incredible productivity.

Driven by Asanti workflow technology, integrable with cloud service for data exchange PrintSphere and optimized to work with Agfa's high-pigmented UV inks, the Jeti Tauro LED takes on any challenge. Expect only high-quality, vivid prints that stand out every time.

A robust hybrid printer
The Jeti Tauro LED is a true hybrid printer, ruggedly built to easily handle extreme workloads, 24/7 printing, and a wide variety of rigid and flexible substrates. It is suited for substrate widths of up to 2.54 m and rigid media up to 4 m, offering you countless options to create eye-catching prints. In addition, the latest Jeti Tauro update includes a shift to UV LED curing.

UV LED print technology

Equipped with UV LED lamps for the curing process,
the Jeti Tauro LED comes with a number of economical,
ecological and business-generating benefits:

- LEDs are cool to the touch and have minimal heatoutput, which is
  why they allow for a broader scope of print applications. They enable
  you to print on heat-sensitive substrates such as thin slides, self-adhesive
  sheets and stretched PVC materials.

- Limited heat generation enables very stable calibration and makes it
  easier to keep print media perfectly flat under the print shuttle, avoiding
  head crashes and expensive reworking.

- LED lamps can be switched on and off instantly without degradation
  of intensity. That means there is no lamp warm-up time or delay for
  shutter motion. The result? No waiting time, faster operations and
  higher productivity.

- LEDs are highly durable. They generate a consistent output throughout
  their lifespan of about 10 000 hours. Also, a UV LED curing system
  contains less parts that might require replacement (e.g. shutters and
  mirrors), which makes it more cost-effective than alternatives.

- LEDs have a lower energy consumption than mercury bulb lamps,
  which leads to significant energy savings.

- As UV LED lamps don't contain mercury, there is no need for mercury
  disposal or any related costs. Also, LEDs don't produce ozone gas that
  needs to be extracted by ventilation.

Printing on a wide variety of media

Roll-to-roll standard on board

Incredible productivity

With 32 fast-firing Ricoh inkjet print heads, each with four nozzle rows for two colors per head, this high-end hybrid printer offers outstanding productivity. Add to that Agfa's UV-curable inks and dedicated waveform that is designed to work in perfect harmony with the print heads, and you have the perfect combination of productivity and superior print quality. While 24 print heads print in color, 8 are dedicated to pre- and post-white, sandwich white and/or primer printing.

The Jeti Tauro LED is driven by Agfa's Asanti workflow technology, which integrates and enhances all processes from pre-press to operation and even provides a comprehensive web-to-print solution – Asanti StoreFront – if required. As such, it ensures all hard- and software work together seamlessly.

Extremely vivid prints

Whether you're creating indoor or outdoor applications on rigid or flexible media, the Jeti Tauro LED produces high-quality results every time. This superior print quality stems from the engine's cutting-edge print heads, equally divided over 8 color bars.
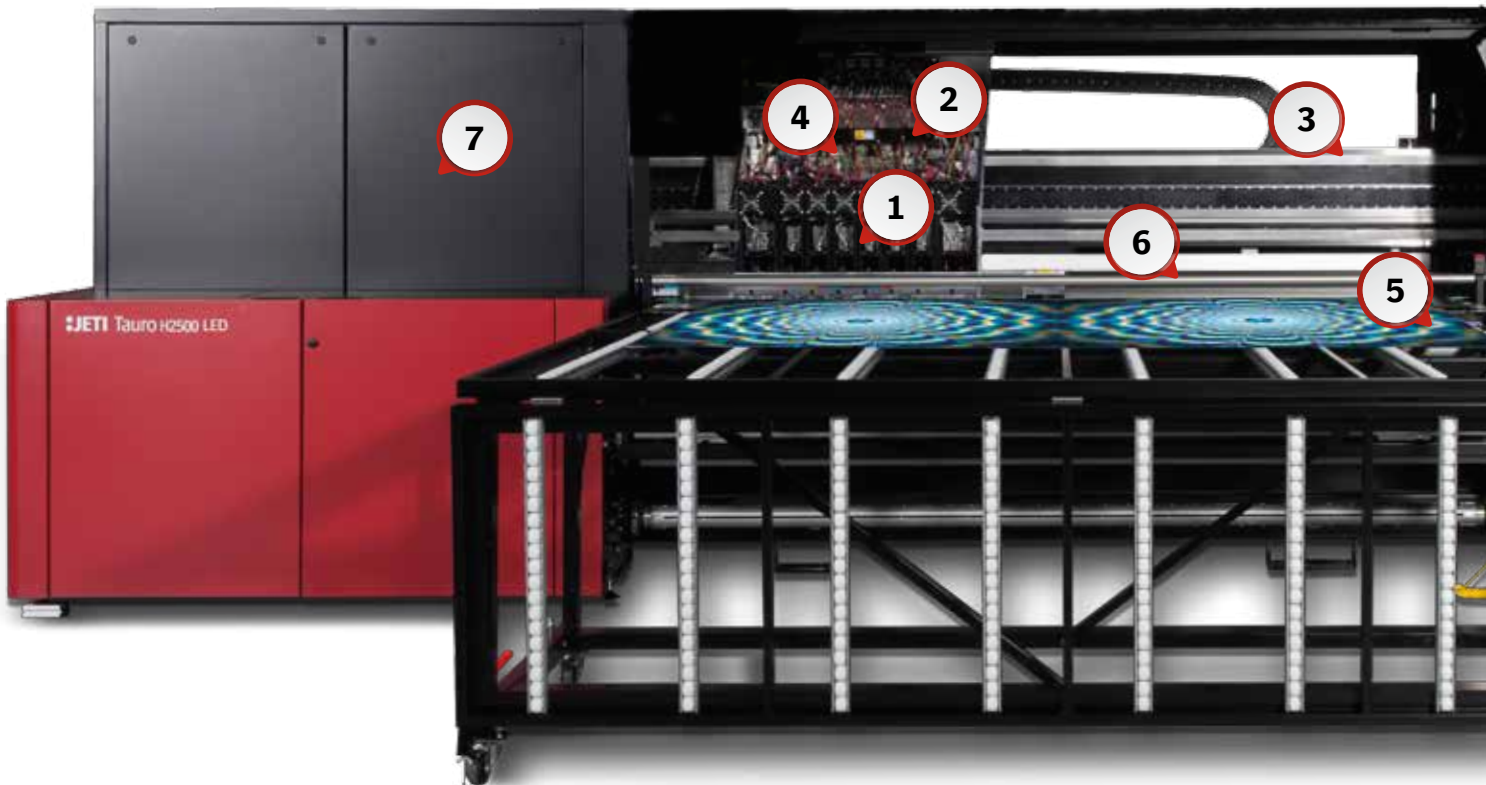
Best-in-class Agfa-made inks

The Jeti Tauro LED is especially designed for use with Agfa's signature UV-curable inks, which feature fast curing, a wide color gamut and high color vibrancy. Offering high image longevity, excellent outdoor resistance and supreme adhesion even on challenging substrates, these high-pigmented UV inks are best-in-class for an extensive range of applications.

Agfa inks jet with extreme precision, delivering the same high-quality results, batch after batch. Agfa Graphics' matched component approach also guarantees a UV-curing dose that's perfectly tuned to the UV ink sensitivity, guaranteeing flawless ink fixation.

Outdoor durability

Supporting the use of a dedicated Agfa Graphics UV LED ink set, the Jeti Tauro LED covers a wide scope of applications – from long-term outdoor creations that need extra durability and wear-resistance to flexible applications with a stretch factor of more than 100%.

1. Shuttle equipped with antistatic bar and safety sensors.
2. Best-in-class inks enabling vivid prints with the lowest ink consumption.
3. Welded steel constructed beam with aligned rails, encoder strip, linear motors and hydraulic dampers for precise movement and perfect positioning of the print head shuttle.
4. Air-cooled UV LEDs for energy efficiency and printing on heat-sensitive media.
5. Continuous manual or automatic feeding of media for maximum productivity.
6. Vacuum belt drive system with motion control, guaranteeing highly precise dot positioning and accurate media transport.
7. Easy maintenance access to the print head shuttle.
8. Advanced GUI design.
9. Pedal-controlled printing process, vacuum table and roll bars.

Impressive features

HYBRID UV INKJET PRINTER. Sturdy, reliable, and highly productive. Suitable for printing on both rigid and roll-to-roll media.

ROLL-TO-ROLL PRINTING. For rolls up to 2.54 m (100") wide. For long-run roll-to-roll jobs without operator intervention.

UV LED PRINT TECHNOLOGY. Equipped with UV LED lamps for the curing process, which offer major advantages in terms of performance, ROI, costs, maintenance, the environment and the generation of extra business.

GLOSS AND SATIN MODES. Achieve an even broader color gamut in gloss or satin mode, which enable enhanced spot color reproduction without loss of image quality or extra ink usage.

INDUSTRY-LEADING QUALITY. Outstanding print quality in six colors (CMYKLcLm), plus white or primer. The 32 print heads and 7-pl droplets produce stunning, detailed images and razor-sharp texts in as small as 4-point type.

ADVANCED GUI DESIGN. The Agfa Graphics Jeti GUI system provides the ultimate functionality: cropping, rotating, auto-nesting, scaling, stepping, saving job parameters for reprints and more – all without needing to rip the file again.

POWERED BY ASANTI. The Jeti Tauro LED comes standard with Asanti and is designed to integrate with the full Asanti workflow, while also compatible with third-party RIPs.

INTEGRABLE WITH PRINTSPHERE. For production automation, easy file exchange and safe data storage.

DYNAMIC VACUUM CONTROL. Thanks to carefully-selected belt material, perfectly-positioned vacuum holes and smart vacuum power control, the printing process runs smoothly and efficiently – whether you're printing on flat or roll-to-roll media.

3/4 AUTOMATION. Optional feature to reduce idle time and increase production efficiency.

Vivid colors

BEST-IN-CLASS AGFA-MADE INKS. The widest color gamut with the lowest ink consumption per square meter, with excellent adhesion and rapid curing. Suitable for all kinds of indoor and outdoor applications – flexible or rigid, coated or uncoated.

UV-CURABLE LED INKS. Always spot on and ideal for printing on heat-sensitive substrates. Specially designed to be compatible with UV LED print technology, which increases ROI, cuts costs, generates extra business and helps preserve the environment.

ADVANCED WHITE INK MANAGEMENT. For pre-, post- and sandwich white printing in spot and fill applications, and even for printing on rolls. No blockages or clogs thanks to constant ink circulation in the main ink supply chain.

PRIMER OPTION. Factory-installed option for even better adhesion to and durability on difficult substrates.

CLEAN AND ERGONOMIC INK SUPPLY SYSTEM. 8-liter containers per color. The RFID system ensures correct ink supply to the print shuttle.

Vivid colors, high performance

Powered by Asanti

The Jeti Tauro LED is driven by Agfa Graphics' 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. Moreover, Asanti's smart algorithms reduce your ink consumption, and consequently, your costs and environmental footprint.

Asanti's comprehensive integration of file handling, color management and preflighting guarantees error-free jobs ready to send to the appropriate wide-format output devices. It is completed by Asanti StoreFront, a web-to-print solution that lets you create and manage online stores and automatically process print orders.

Integrable with PrintSphere

As an advanced printer powered by Asanti, the Jeti Tauro LED integrates perfectly with PrintSphere, Agfa Graphics' cloud-based service for production automation, easy file sharing and safe data storage. This integrable cloud service offers a standardized way for print service providers to automate their workflows and facilitate data exchange with customers, colleagues, freelancers, other departments and other Agfa solutions.

Wide color gamut, no matter the medium

Agfa-made UV inks boast a wide color gamut and high color vibrancy in both indoor and outdoor applications. Providing outstanding adhesion, these inks are your best option in terms of flexibility, image longevity and outdoor resistance. All of our UV inks — white and color — offer stable jetting performance and deliver the same high-quality results.

Point-of-sales applications — impressive color gamut

Jeti Tauro LED - Inkssection

Agfa's UV-curable LED inks: always spot on

Relying on LED technology, our specially-formulated UV LED inks can print on heat-sensitive substrates, thus broadening the scope of possible applications. They are both customized and versatile, developed with a view to the many different media they are intended for, as well as the specifications of different print engines. Our inks for flexible media, for example, are perfectly suited for stretchable and bendable materials.

Vivid prints, low ink consumption

Thanks to the high pigment load of Agfa-made inks and the benefits of Asanti's algorithms, ink consumption per square meter is the lowest on the market. This 'thin ink layer' pigment dispersion technology does not mean, however, the Jeti Tauro LED compromises on quality. Quite the opposite is true – and not only does it result in eye-catching prints, it also helps preserve the environment and saves on your budget. In short, these inks offer the best possible price/quality ratio.

Advanced white printing and ink management

The Jeti Tauro LED supports white printing in multiple modes (e.g. pre-white, post-white, sandwich white) on both rigid and roll media. Thanks to its stirring functionality, the engine keeps the white ink in motion. 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 blockages.

Primer option for better surface tension

Difficult substrates – such as polypropylene, PMMA/acrylic, polystyrene, etc. – can pose adhesion and durability challenges for inkjet printing. That's where the Jeti Tauro LED's primer option comes in. A rapidly-deposited primer ensures better print results – either as a 'fill' (the whole area) or 'mask' (printed areas only). The UV-cured primer formulation is optimized for the Ricoh heads that are incorporated into the Jeti Tauro LED. And because the primer is applied in low-coverage percentages, it hardly influences your cost per square meter of output.

Wide range of applications

A versatile hybrid printer, the Jeti Tauro LED prints on a wide variety of media: banners, posters, signage (e.g. traffic or industrial information), exhibit graphics, POP, mockups, backlit, front-lit, self-adhesives (labels), etc. It can also be used for niche applications such as wood, art reproductions, party favors, architectural and interior decoration and more.

Outdoor communication

Dedicated inks for in- and outdoor applications

Automation for maximum convenience and efficiency

Continuous board feeding

The Jeti Tauro LED comes standard with manual media loading tables, perfect for smaller runs. It also enables the loading of boards in one continuous flow for maximum convenience, efficiency and productivity.

Automatic feeding and unloading

For larger runs or runs with multiple board stacks, the Jeti Tauro LED's automatic feeding and unloading system optimizes productivity. When upgraded with an automated board feeder (ABF), the engine can process up to 4 boards automatically, reducing idle time and increasing production efficiency by as much as 30%. While one board set is being printed, the next one is being prepared. Parallel board printing of up to 4 boards will boost productivity even further.
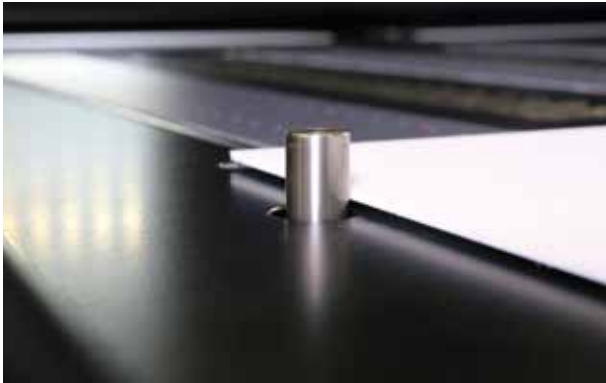
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1. Easy and accurate loading of up to 4 boards at the same time.
2. Unloader unit consisting of a motorized conveyor table, pick & place system and scissor stacker for up to 4 stacks.
3. The Jeti Tauro LED GUI driving the ABF – easy and straightforward operation.
4. Automatic Board Feeder (ABF) on the input side of the engine for enhanced productivity.
5. Flexible table extension to support boards longer than 1.85 m.
6. With its vivid inks and thin layer technology the Jeti Tauro offers the widest color gamut at the lowest consumption rates.

3⁄4 automation option

Automatic board feeder (ABF)

Registration pins ensure (up to 1 mm) accurate board alignment, which is particularly relevant for recto-verso printing. Agfa's Asanti software automatically selects a pin set configuration depending on the size of the media.
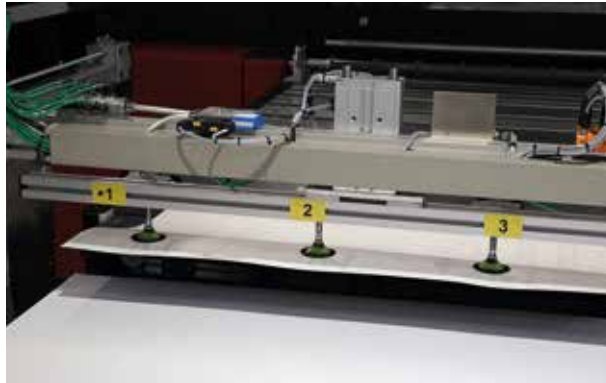
The Jeti Tauro ABF **vacuum belts** are perfectly aligned at all times, feeding media smoothly into the engine. Several release rollers at the back of the table support this feeding process. While one board is being printed, the front vacuum belts are switched off to allow loading of the next board.

The **automatic board feeder (ABF)** handles up to 4 boards side by side with a maximum length of 1.85 m. Bypass is possible for longer boards (up to 4 m).

The **graphic user interface (GUI)** of the Jeti Tauro LED drives the ABF and assists operators in loading boards correctly.

Unloading unit

Motorized conveyor table

- Easy setup of the unloader unit through the Jeti Tauro LED's straightforward GUI.
- Printed media are driven on and pressed against the conveyor table by capstan roll presses.
- Pick & place system with suction cups that picks up printed media and transfers them directly to a shipping pallet.

Scissor stacker

- Handles up to 4 stacks, moving pallets upwards for smooth media unloading.
- Automatically moves further down with every print, perfectly synchronous with the printing speed, media thickness and size specifications.
- Possibility of tilting the flaps at the end of the unloading unit for oversized media (> 1.85 m), for extra space protruding beyond the pallet.

MODELS

Four configurations, depending on the applications that you run.	Jeti Tauro H2500 LED 6C – 6 colors (24 heads)
	Jeti Tauro H2500 LED 6C W4 – 6 colors and white (28 heads)
	Jeti Tauro H2500 LED 6C W8 – 6 colors and white (32 heads)
	Jeti Tauro H2500 LED 6C W4 P2 – 6 colors, white and primer (30 heads)

MEDIA & PRINTING SPECIFICATIONS

Rigid media

Maximum width	2.54 m (100″ or 8.33 ft.) On the ABF and unloader: 2540 mm
Maximum length	4.0 m (157.5″ or 13.1 ft.) With 3/4 automation: up to 1.85 m (6.07 ft.) (up to 4 m in bypass mode (13.12 ft.))
Minimum size	Smallest boards on the ABF: 500 x 700 mm (portrait) DIN A3, 29.7 x 42 cm (11.7 x 16.1″)
Thickness	Min. 0.2 cm (80 mil) – max. 5 cm (1.97″) (media-dependent)
Maximum weight	10 kg/m2 with a maximum of 60 kg evenly distributed over the table On the ABF: maximum weight 10 kg/m2 with a total of 43 kg Sheets: from 200 gr/m2 and up
Borderless printing	Yes. Also in combination with parallel board printing.

Flexible media

Maximum width	2.54 m (100″ or 8.33 ft.)
Maximum length	Depends on total roll weight
Thickness	Min. 0.2 mm (8 mil) – max. 3.2 mm (118 mil) (media-dependent)
Maximum weight	100 kg (220 lbs)
Maximum roll outside diameter	Support for 3″-core media rolls with maximum outside diameter of 360 mm (14″)
Borderless printing flexible media	Yes (except when media feed support is on)

PRODUCTIVITY (for ABF dependent on size and number of boards)

Express mode	Up to 275 m²/h (2960 ft.²/h)
Production mode	Up to 138 m²/h (1485 ft.²/h)
Standard mode	Up to 69 m²/h (742 ft.²/h)
High-quality mode	Up to 62 m²/h (667 ft.²/h)
High-definition mode	Up to 41 m²/h (441 ft.²/h)

MEDIA

Media types	Rigid as well as flexible media (check with your local Agfa Graphics representative for a detailed list)

PRINT HEADS & INKS

Print heads	Piezoelectric Ricoh MH
Ink	CMYKLcLm + white and primer

IMAGE & TEXT QUALITY

Image quality	Resolution up to 1016 x 1200 dpi in high definition
Prints high quality	Up to 725 x 1200 dpi (8-pass)
Text quality	4 point

ENGINE DIMENSIONS & WEIGHT

Printer dimensions (H x W x L)	2.0 m x 1.92 m x 6.83 m (6.56 ft. x 6.29 ft. x 22.4 ft.)
ABF dimensions (H x W x L)	1.1 m x 2.96 m x 2.26 m (3.61 ft. x 9.71 ft. x 7.41 ft.) without extension 1.1 m x 2.96 m x 3 m (3.61 ft. x 9.71 ft. x 9.84 ft.) with extension
Unloader dimensions (H x W x L)	1.6 m (max.) x 3.2 m x 4.6 m (5.25 ft. x 10.5 ft. x 15.09 ft.)
Flatbed printer with roll-to-roll unit weight	4100 kg (9039 lbs)
ABF weight	1100 kg (2425 lbs)
Unloader weight	1120 kg (2469 lbs)

ROOM CONDITIONS

Temperature	Between 16-25°C
Relative humidity	Between 40-60%

ELECTRICITY & COMPRESSED AIR

Electricity	Engine: 400-480 VAC, 3-phase, 50/60 Hz, 63 A ABF: 400-480 VAC, 3-phase, 50/60 Hz, 32A
Compressed air	Min. 6 bar (87 PSI) (also for ABF and unloader)

SYSTEM INTEGRATION RIP/WORKFLOW SOFTWARE

Asanti, StoreFront, PrintSphere, third-party rips

www.agfagraphics.com

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