



TAU G3

Empower your business.



For more information,
please visit
durst-group.com/g3

durst

TAU G3

The next generation in UV inkjet label printing — effortless engineering, unwavering reliability, and exceptional performance.

DURST HAWK AI™

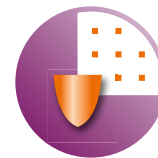
Advanced vision-based technology that automates print quality control using integrated camera systems. More than just an inspection tool, it actively detects and corrects errors, such as missing nozzles, in-line, in real time, and without operator input. No setup or test prints required, ensuring seamless production at full speed.



DURST
HAWK AI™

DURST MEP

Fully automated protection system that prevents damage to the print heads caused by lifted material edges. A redesigned print plane, automatic protection shields, and sensors ensure the media remains flat under the print heads, safeguarding essential components. This leads to highest uptime and reduced total cost of ownership, with minimal operator involvement.



DURST
MEP

DURST ARC

Fully integrated system that continuously ensures precise color-to-color alignment during production by monitoring and adjusting in real time. This enhances productivity by reducing manual setup, minimizes material waste through fewer test prints and corrections, and ensures stable, high-quality output, even during long runs or on sensitive materials.



DURST
ARC

KEY FEATURES

TAU G3 CORE

- > Up to 61 m/min (200 ft/min) – 244/340 mm (9.6/13.3 in)
- > Compact & intuitive



TAU G3 PEAK

- > Up to 100 m/min (328 ft/min) – 340/420/510 mm (13.3/16.5/20 in)
- > Versatile & high-performing



RELIABILITY	SIMPLICITY	PERFORMANCE	QUALITY
> Automated print head protection > Automated print head maintenance > Proven technology > High-end and high-quality components used > Secure remote connection for fast support	> Automatic nozzle compensation > Intuitive user interface > Ergonomical design and ease of use > Durst Workflow for exact color management > Pre-print ink cost calculation	> Automated color-to-color registration setup > Printing speeds of up to 100 m/min at printing widths of up to 510 mm > Double White > Durst Analytics & predictive maintenance > Powerful variable data at full production speed	> 1,200 x 1,200 dpi > 95% Pantone coverage (dE00<2) and highest opacity white > LED and standard UV curing options > Dedicated inspection area for quality control

VIRTUAL SHOWROOM – TAU G3 CORE
More details, live demo, print samples.
showroom.durst-group.com/en/g3-core

VIRTUAL SHOWROOM – TAU G3 PEAK
More details, live demo, print samples.
showroom.durst-group.com/en/g3-peak

CONFIGURATIONS & TECHNICAL DATA

GENERAL TECHNICAL DATA

Print head	Dimatix Samba
Resolution	1,200 x 1,200 dpi
Dropsizes — Greyscale levels	2 pl – 3 levels: 2-4-6 pl
Colors/Inks	Tau RSC LED ink: CMYK OVG W / Tau RSC UV ink 3: CMYK OVG W
Substrate thickness	20 µm ¹ to 500 µm
Substrate type	Coated and uncoated materials, with and without liner, paper, white and transparent film, PP, PE, PVC, PET, BOPP
Max. roll weight	450 kg (992 lbs)
Max. roll diameter	1,016 mm (40 in)

SPECIFIC TECHNICAL DATA

	Printing speed ²	Printing width	Substrate width ³
TAU G3 CORE	61 m/min (200 ft/min)	244 mm (9.6 in) 338 mm (13.3 in)	max. 350 mm (13.7 in)
TAU G3 PEAK	80 m/min (262 ft/min) ⁴	338 mm (13.3 in) 420 mm (16.5 in) 510 mm (20 in)	max. 350 mm (13.7 in) max. 430 mm (17 in) max. 520 mm (20.5 in)

OPTIONAL FEATURES

Insetter sensor
Webguide with line sensor
Corona unit
Webcleaner
Roll Lift and loading support
Quality inspection area
Durst Hawk AI
Durst ARC – Automatic Register Control
Durst MEP – Material Edge Protection
High opacity white print mode
Double white
Priming station
UPS – Uninterruptable Power Supply
Web monitoring system
Variable data printing
Integration to ERP system

ENVIRONMENTAL INFORMATION

Temperature range	18 °C (64 °F) – 28 °C (82 °F)
Humidity	40 – 70 %, non-condensing

SPACE REQUIREMENTS for standard scope of delivery

	TAU G3 CORE	TAU G3 PEAK
Length	4,970 mm (195.7 in)	5,872 mm (231.2 in)
Width	2,106 mm (82.9 in)	2,678 mm (105.4 in)
Height	2,131 mm (83.9 in)	2,131 mm (83.9 in)

¹For aluminum foil and PET film

²Printing speeds may vary depending on the selected ink series

³Min. 200 mm (7.9 in) – max. depending on printing width

⁴Upgradeable to 100 m/min (328 ft/min)