

GTX

GTX300NC

DTG/DTF Hybrid Garment Printer



GTX GTX300NC

Speed, precision and performance

The GTX300NC is a high-speed DTG and DTF hybrid printer by Brother, designed for on-demand custom apparel and merchandise production. It features high performance print heads and advanced engineering that delivers production speeds with crisp detail and colour. A new white enhancement function offers brighter, crisper white layers without bleeding. Enjoy easier operation via the intuitive front-facing design and a 7-inch colour touchscreen.

DTG and DTF versatility

Engineered as a true hybrid solution, the GTX300NC gives you the flexibility to take on a wider range of jobs. Print directly onto cotton garments or switch seamlessly to cut-sheet DTF printing for polyester, blends and performance wear.



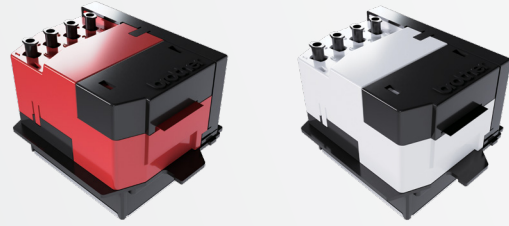
High-speed printing

Lightning-fast output

Produce prints on light shirts in approximately 41 seconds and dark garments in 63 seconds while maintaining exceptional colour accuracy.

The GTX300NC achieves these speeds through an upgraded carriage drive system and newly developed print heads featuring wave-like ink flow technology.

By increasing the ink ejection frequency, the print heads can accurately place ink at higher carriage speeds, enabling faster print production without compromising image quality or print consistency.



Printing speed comparison

CMYK printing (printing on light-coloured shirts)

GTX300NC	41 seconds		
GTX Pro	45 seconds		

CMYK+W printing (printing on dark-coloured shirts)

GTX300NC	63 seconds		
GTX Pro	72 seconds		

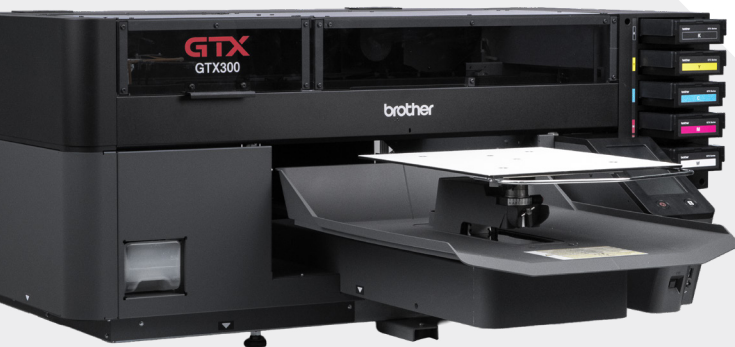
DTF cut sheet printing

GTX300NC	75 seconds		
GTX Pro	92 seconds		

*The measurement time is the time from pressing the print button until the platen unloads.

*Print speed varies depending on conditions such as design, size, and print settings.

Designed to grow with your business



Production that scales

Start with one GTX300NC, then add more as demand grows. The front-facing design keeps loading, unloading, ink access and daily operation on the operator side, making it easier to build an efficient multi-machine workflow.

One trained operator can move between several printers, prepare the next garment or film sheet, clear completed prints and keep output moving as order volume increases. Automated maintenance functions and continuous white ink circulation help reduce routine maintenance and support consistent print performance.

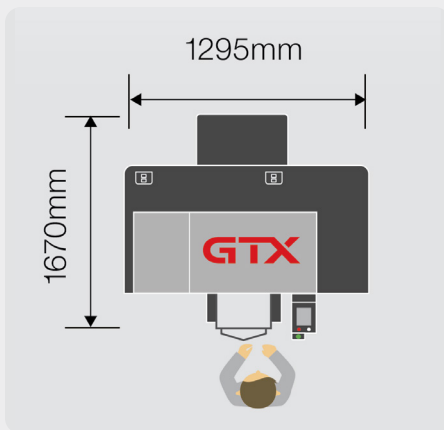
Offer more to every customer

Expand your range with one hybrid production printer. Move from DTG to cut-sheet DTF and back again, choosing the right workflow for each job. Offer the softness of direct prints for compatible garments, or utilise the flexibility of DTF for more fabrics, placements and product types.

From T-shirts, hoodies, polos and kidswear to totes, canvas bags, denim, workwear, sleeve prints, pocket areas and seams, the GTX300NC helps you say yes to more customer requests without adding a separate printer for every application.



Designed for ease of production



Compact, front-facing design

Designed to fit into existing production areas where space is a premium. Whether you are setting up your first production or adding to your lineup, the compact, space-saving design with the convenience of replacing all consumables from the front of the machine means you can maximise your space.



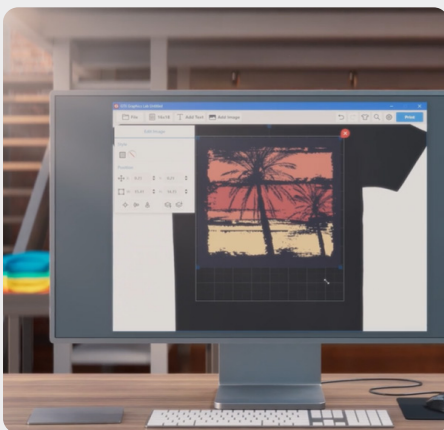
Quick Platen Swapping

Utilises quick-release levers so platens can be changed in seconds. The GTX300NC comes with a 14in x 16.54in (35.56cm x 42.01cm) Regular Platen included. A 16in x 21in (40.6cm x 53.3cm) Wide Platen is available and sold separately.



Make DTF printing smoother

The GTX300NC features new convenient magnetic strips on the Regular and Wide platen for easy film placement that stays flat without shifting.



Software included

GTX Graphics Lab is an all-in-one design and print software built specifically for DTG and DTF workflows and it comes included.



User-friendly interface

The GTX300NC features a 7-inch colour touchscreen that displays illustrated, step-by-step troubleshooting and maintenance guides directly on the printer.

When maintenance is required or an error occurs, the touchscreen guidance assists the user to quickly complete the task.

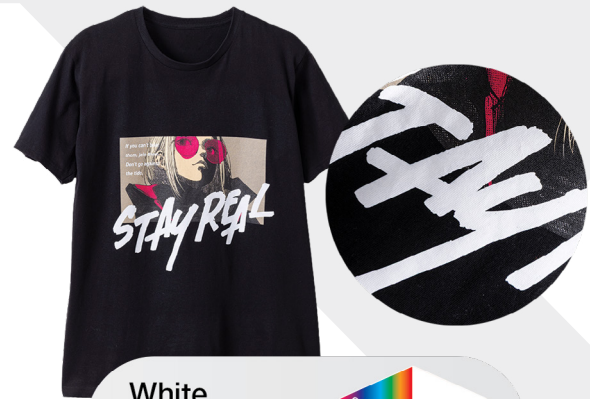


Cloud dashboard

The new Device Core software automatically collects printer status data in the cloud, allowing you to check the total number of prints, ink volume, usage and error information in real time on the dashboard. (Network connection required).

Improved colour quality

The new White Enhancement Function in the updated GTX Graphics Lab software creates brighter, crisper white layers without bleeding. It dynamically alters laydown to give sharper contrast and brighter whites on dark fabrics while simultaneously restricting colour bleeding.



White
Enhancement
Function



Precision printing

With a print resolution of 1200 x 1200 dpi combined with cutting edge Innobella Textile inks, your designs can incorporate the most minute details and they will print with fantastic clarity. Equipped with colour conversion profiling capability (ICC profile) you can confidently reproduce colours for professional results.



Confident printing that lasts

Brother Innobella Textile inks enable a wide colour gamut and high saturation for bright, vivid colours and fine details. Brother Innobella Textile inks have a AATCC Wash Fastness Test Grade 4 certification, ensuring your beautiful colour is long lasting even after repeated washing.

Environmentally friendly printing

Embrace sustainability with eco-friendly Innobella Textile inks, ECO PASSPORT certified, they can safely be used on children's clothing and are certified for environmental safety. Brother genuine Innobella Textile inks are packaged with replaceable pouches to minimise waste.



Specification

Model Name	GTX300NC
Printing Method	Direct garment printing and direct to film printing using piezo inkjet technology
Print Heads	Piezo inkjet system / 2 units
Resolution	1200dpi x 1200dpi
Ink	Water-based pigment ink
Colour	5 colours CMYKW
Standard Platen	Regular Platen 355.6mm x 420.1mm (14 inches x 16.54 inches)
Printable Area	Maximum Size: Wide Platen 406.4mm x 533.4mm (16 inches x 21 inches)
Control Panel	7-inch touchscreen
Interface	100BASE-TX/1000BASE-T (LAN Port), SuperSpeed USB 3.0 (USB flash drive), Hi-Speed USB 2.0 (For PC Connection)
External Dimensions	1295mm x 1465mm x 583mm (with platen retracted) 1295mm x 1670mm x 583mm (Maximum External Dimensions)
Weight	Approximately 125 kg (Including Platen)
Power Requirements	Single-Phase 100-240V (Power Supply Voltage Fluctuation $\pm 10\%$ Or Less), 50/60Hz
Power Consumption	Operating: 180W or less
Recommended Printing Environment	DTG - Temperature: 18-30°C, Humidity: 35-85% (No Condensation) DTF - Temperature: 19-30°C, Humidity: 35-65% (No Condensation)
Operating Environment	DTG - Temperature: 10-35°C, Humidity: 20-85% (No Condensation) DTF - Temperature: 10-35°C, Humidity: 20-65% (No Condensation)
Curing	DTG - Conveyor Oven: 3.5 minutes at 160°C, or Heat Press: 35 seconds at 180°C *Time and temperature may vary depending on the machine. DTF - Powder Fixing: Conveyor Oven at 160°C for 5 minutes. Transfer: Heat Press at 150°C for 20 seconds (+ additional press for 20 seconds). *Time and temperature may vary depending on the machine.
Pre-Treatment	When using white ink in DTG printing, pre-treatment is required. Apply the pre-treatment using a pre-treatment machine before printing, and be sure to dry it with a heat press.

Software

OS	Mac OS 14.0 Sonoma, Mac OS 15.0 Sequoia, Windows 11 (64bit)
Minimum operating environment	A CPU of 2GHz or faster is required. 8GB or more of RAM is recommended. For DTF data creation, 16GB or more of RAM is recommended.
Software package	Dedicated printer driver and drawing tool (GTX Graphics Lab)
Recommended applications for advanced image editing	Adobe® Photoshop CC Adobe® Illustrator CC