

THE RAPTOR

Garment Printer



flexible

profitable



innovative



THE RAPTOR

Engineered and built for durability and consistent print accuracy, vibrancy and most importantly white ink reliability.

Introducing the new DTG Raptor

Designed to meet the needs of all embroiderers, screen-printers, color studios, kiosk operators and garment decorators world wide, a new and reliable digital direct to garment printer from DTG.

The DTG brand globally is well known as a true innovator in garment decorating technology and the new DTG Raptor is the culmination of DTG's ongoing research and development for the garment decoration industries.

A 13" wide printer that incorporates the patent pending WIMS (white ink management system) and a pressurized constant ink feed re-circulation system.

WIMS (White Ink Management System)

WIMS finally offers a manageable white ink production process that delivers superior detail, vibrancy and all the while offering a level of consistency unheard of in other direct to garment printers.

With an all new ink-repelling coated piezo printhead, superior reliability and long-term durability is now a standard feature on the DTG Raptor, and is further supported by a constant pressurized ink delivery system for colored inks as well.

The DTG Raptor is a ground up, high print-speed, accurate direct to garment digital printer

that incorporates precise engineering solutions that just work!

HIGH PERFORMANCE PRINTS

Utilizing our latest high performance piezo print head technology, the DTG Raptor is among the fastest direct to garment printers in the industry, if not the fastest in its class available today.

Average print resolutions of 360 x 720dpi for one pass printing on to light colored textiles will generate staggering print quantities per hour. (Dark garments needing white ink will require higher saturation of 1440 x 720dpi).



Latest generation print head technology

All new 8 channel piezo Print Head with ink repelling coating and constant re-circulation and pressurization.

- Print Head - Piezo capable of handling 8 colors in either Dual CMYK or 4 channels of white plus CMYK.
- A Teflon coated high performance print head with 180 nozzles per channel.
- Adjustable pressure manifold coupled with pressure release damper/filter throughout the entire ink path.

With less clogging and ink starvation the DTG Raptor delivers superior prints with outstanding color vibrancy. The DTG Raptor is designed and optimized for superior garment decoration.

DTG inks & rips

In order to ensure vibrant color correct prints, the DTG Raptor utilizes advanced wash fast pigmented inks and color enhancing RiPs.

Use less ink by laying down the right amount of ink and exactly where you want it, it's simple.

With thousands of installations worldwide, the DTG RiPs and DTG ink series are the benchmark for garment decorators worldwide.



The DTG garment pallet system is truly unique on the DTG Raptor and can be optioned to decorate two garments at a time with our proprietary extension roller system. An optional 4 pallet assembly system is also available offering even greater flexibility.

Simply drag and drop and place your designs from most file formats into our DTG-RIP templates - artwork is easily positioned with pin-point registration and achieved via a unique conveyor garment loading system.

The micro servo motor driven conveyor system is at the heart of the DTG Raptor and produces perfect dot registration accurate to 0.017mm offering unprecedented superior commercial grade reliability.

It's flexible - with your DTG Raptor you can load garments that will auto register for perfect white and color prints time and again and for ease of use finished garments can either be returned to the front of the machine (if you are operating in a tight area) or can be ejected to the rear of the printer for faster loading and unloading and all round production throughput.



WIMS (White Ink Management System)

With the patent pending White ink Management System, head clogging and maintenance downtime is reduced considerably.

The DTG-WIMS is the final answer to white ink prints.

By re-circulation of ink via a pressurized peristaltic pump system coupled with pressure release filters and dampers your white ink is ready to print when you are. We have reduced the maintenance and downtime currently seen in the industry and the DTG Raptor is the best all-round white ink print system in the world market today.

APCP (Active Print head Collision Protection)

By incorporating precision culminated light beam detection sensors, anything getting in the way of the print path is automatically detected, and the active drive system will drop the pallet while printing, ensuring that head strikes are drastically reduced while still maintaining your prints.



with smart engineering and easy to use operator features you now have a final solution for reliable prints time and again.



Better engineered ink management, brighter prints, faster production, more flexibility and easier to use without the maintenance levels currently experienced in the market.



The DTG Raptor - inkjet garment printing just got a whole lot easier!!



Come see the all new DTG Raptor in action. we are sure that profitability, reliability and superior vibrant print results will excite your customers.



DTG - Because your customers expect more and so do you!



www.dtgamerica.com

Specifications



Printhead
Piezo 180 nozzles per channel



Operating System
Vista and XP
RIP - DTG Rip Pro



Colour
8 (Dual CMYK or 4* White plus CMYK)



Pallets
1 Adult (13" x 17") (330 x 430mm)
on one base
2 Adult (13" x 15") (330 x 380mm)
on one base ~ optional



Print Area
Max 13" x 17" ~ 32" (330 x 430 ~ 810mm)



Drive
Processor driven conveyor



Electrical
AC 110V, 50-60Hz
1/0A/110-120V
Consumption - 55W or less,
Standby 5W, Off 1W



Inks
DTG inks - Piezo compatible pigments



Physical Dimensions
33"(W) x 24"(H) x 48"(L)
831(W) x 610(H) x 1219(L)mm
Weight - 80lb (34.4Kg)
(boxed weight will vary)



Inks Delivery
Bottle - pressurized CYMK
Bottle - pressurized re-circulation - white
(WIMS)

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