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Garment Printer

EXCEPTIONAL COLOR, EXTRAORDINARY VALUE



innovation



profitable



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BROUGHT TO YOU BY



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# THE VIPER

Garment Printer

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

## Introducing the new DTG Viper

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 the garment decorating industries and the new DTG Viper is the culmination of several years ongoing research and development.

A 17" (432mm) wide printer that incorporates the patent pending WIMS (white ink management system) and 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 while offering a level of consistency unheard of in other direct to garment printers.

With an all new 1" inch (25mm) ink repelling coated piezo printhead, superior reliability and long term durability is now a standard feature on the DTG Viper coupled with a constant pressurized ink delivery system for coloured inks as well.

The DTG Viper is a ground up, high speed print, accurate garment digital direct printer that incorporates precise engineering solutions that just work!!!

## HIGH PERFORMANCE PRINTS

Utilizing our latest high performance piezo print head technology, the DTG Viper is among the fastest direct to garment printers in the industry.

With an average print speed at 360x720dpi one pass printing to light colored textiles will generate up to 70 prints (10"x12") (254x305mm) per hour. (Dark garments needing white ink will require higher saturation of 1440x720dpi)

The DTG garment pallet system is truly unique on the DTG Viper and prints two garments at a time as standard. An optional 4 pallet assembly system is also available offering 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 Viper and produces perfect dot registration accurate to 0.017mm offering unprecedented superior commercial grade reliability.

It's flexible - with your DTG Viper 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 Viper 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. The active drive system will drop the pallet while printing ensuring that head strikes are drastically reduced while still maintaining your prints.

## PEP (POSITIONING ENCODER PROTECTION)

A low noise high performance axial fan is mounted and sealed in a position so that ink mist is trapped prior to settling over encoder strips. Most machines suction ink mist over these vital parts where as the DTG Viper encapsulates the misting and overspray in a sealed compartment and easily extracted before it gets in the road!!

## 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 colours in either Dual CMYK or 4 channels of white plus CMYK.
- 1" inch (25mm) wide 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 Viper delivers superior prints with outstanding color vibrancy. The DTG Viper is designed and optimized for superior garment decoration.

### DTG inks & rips

In order to ensure vibrant color correct prints, the DTG Viper 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.

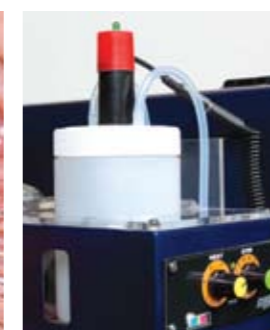
With thousands of installations worldwide, the DTG RIPs and DTG ink series are the benchmark for garment decorators worldwide.



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 Viper inkjet garment printing just got a whole lot easier!!



Come see the all new DTG Viper 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!

## SPECIFICATIONS

<b>Printhead</b>	Piezo 180 nozzles per channel	<b>Print Area</b>	Max 16" x 25" ~ 45"(406 x 635 ~ 1143mm)	<b>Consumption</b>	55W or less, Standby 5W Off 1W
<b>Colour</b>	8 (Dual CMYK or 4" White plus CMYK)	<b>Pallets</b>	2 Adult (16" x 13") (406 x 330mm) on one base 4 Adult (16" x 13") (406 x 330mm) on one base ~ optional	<b>Operating System</b>	Vista and XP
<b>Inks</b>	DTG inks - Piezo compatible pigments	<b>RIP</b>	DTG Rip Pro	<b>Dimensions</b>	33"(W) x 24"(H) x 48"(L) 838(W) x 610(H) x 1219(L)mm
<b>Ink Delivery</b>	Bottle - pressurised CYMK Bottle - pressurised re-circulation - white (WIMS)	<b>Electrics</b>	AC 110-240V, 50-60Hz 1/0A/110-120V	<b>Weight</b>	120lb (54.4Kg) (boxed weight will vary)
<b>Drive</b>	Processor driven conveyor				

