



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 **M-Series** are the best all-round white ink print system in the world market today.












*"Don't be fooled – cartridges are there only to lock out consumables. So called "closed loop systems" sound great but add little if anything to ink stability – it's simple 1st grade science – you can not syphon fluid without pressure, nor can you move ink from a cartridge or a bag without air in the system – it's how you manage the air in the inks and the subsequent settling which makes the difference. If you have to shake something to make it work? You really need to re-look at WIMS technology"*

**Moishin Tiwana - Chemical Engineer**



## M 2 SPECIFICATIONS

-  **Printhead**  
Piezo 180 nozzles per channel
-  **Colour**  
8 (Dual CMYK or 4\* White plus CMYK)
-  **Print Area**  
610mm x 450mm (24" x 17.7") or 610mm x 1200mm (24" x 47")
-  **Drive**  
Processor driven conveyer
-  **Inks**  
DTG inks - Piezo compatible pigments
-  **Ink Delivery**  
Bottle - pressurised CYMK  
Bottle - pressurised re-circulation - white (WIMS)
-  **Operating System**  
Vista and XP  
**RIP** - DTG Rip Pro
-  **Electrical**  
AC 110-240V, 50-60Hz  
1/0A/110-120V  
**Consumption** - 55W or less,  
Standby 5W, Off 1W
-  **Physical Dimensions**  
38.6"(W) x 21.7"(H) x 50"(L)  
980(W) x 550(H) x 1270(L)mm  
**Weight:**  
96kg (212lb) (boxed weight will vary)

Print trials must be undertaken prior to production – no warranties, express or implied, are given in connection with the accuracy or completeness of any of the information contained herein. DTG Digital is a registered trade mark of Impression Technology International, Australia.

# M SERIES INDUSTRIAL



FORWARD THINKING



### DTG One Pass Fast

A uniquely beneficial patent pending process that allows both white base and colours to be printed in just one pass. With the "One Pass Fast" you can offer faster turnarounds with greater speeds and gain much greater control over the colour gamut's required to create truly original and fantastic colour prints to a whole host of substrates.

Up to 70% faster prints with exceptional colours and all supported with a unique easy to use RIP.

*"Double your production - In early 2009 we pioneered the One Pass process which allows both white and color layers to be seamlessly printed by eliminating the need for two pass white and color layers – perfect for fashion style prints and full photographic images – with the M2 you can increase your output dramatically - 2 shirts in 40 seconds with white ink!!"*

**Jerry Erich - Global products manager**



### 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.

### SCALEABLE PRODUCTION

The M-Series is 100% flexible with a multitude of TucLoc™ Platen options for kids sizes through to super wide prints and even caps!

The **M-Series** bed in standard configuration supports two standard shirts with a unique bridge to allow extra wide prints to a maximum of 610 x 450mm (24" x 17.7")

**Big image area options** - convert the m2 into an m4 with our unique platen drive swap out mechanism for multiple production up to 8 shirts – need to print full length jeans, towels etc. Image area 610mm x 1200mm (24" x 47") – you can configure your mseries to your market or grow into new markets and expand your profit options – It's flexible.



[www.dtgdigital.com](http://www.dtgdigital.com)



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# Print in an entirely new way!!

The DTG **M-Series** range of Direct to Garment Inkjet printers delivers the industries most advanced print platform engineered specifically for textile applications.

Greater resolutions and ink drop technologies are delivered through an entirely new firmware – print a completely new range of products with scalable platens from 2-8 shirts, print all over jeans, hoodies or clothing panels from one printer! It's entirely flexible, engineered for production, and will grow with you. Its FAST.

The **M-Series** outputs more without lowering resolutions or print quality – screenprinters, embroiderers, internet shops, photographers, print shops, designers and all retailers finally have a solution that's industrial and flexible! It's a different science and the **M-Series** delivers greater profit opportunities with an entirely new engineering.



Easy to use control panel



White ink management system with pressurised cmyk



25-125mm auto bed lift and with print head collision detection



## M-Series Quick facts

- Deliver greater flexibility in media support with increased resolutions. It's just better
- Print 720 to 1440dpi faster. With more ink
- Industrial build – it's tough
- Has patent pending WIMS (white Ink management system onboard)
- Not 600dpi low res prints – try 1440dpi faster with more ink placement
- 46ppl white ink drop at 720dpi – scaleable through all supported resolutions
- Seamless servo driven accuracy
- An all new firmware designed for textiles
- Scalable production from 2 to 8 garments and super wide all over prints
- Unique step and repeat layer options
- A new way to print - iQ Interweave – eliminates banding at all resolutions
- Print up to 70+ white garments or 35+ dark garment per hour (60+ dark garments using One Pass)
- One Pass technology activated
- Print 610mm x 450mm (24" x 17.7") or 610mm x 1200mm (24" x 47") area – that's flexible

(\*view speed and production rates live at [www.dtgdigital/mseries](http://www.dtgdigital/mseries))



Super wide print area – flexible



## Just better Science

The all new iQ Interweave technology is a core development in support of textile decoration. A new science that delivers greater flexibility and quality of print to a wider range of garments. More ink when and where you need it!

*"Let's face it: printing on textiles isn't the same as printing on paper. All current print heads in the market work on the principle of laying ink drops in staggered parallel lines – but textiles are basically fibers in a grid pattern, so we have changed the science to lay down ink drops in a wave pattern across this grid of fiber – increasing saturation and eliminating banding which is common at lower resolutions. It's an all new science"*

**Gordon Zerf – Head of Engineering**



## New IQ Color RIP

Print quality and features within a RIP – do make a difference to your overall design – if colour and knock out graphics are important to you and your customers then the new IQ Rip for the mseries will leave you breathless.

Convert files 9 styles – jpg, psd, tiff, png, tga, gif, bmp, pcx, dib. Colors are sharp and accurate – edge definition detail is sharp, user intervention is limited because the new IQrip supports more features for industrial decoration than any other RIP for a DTG application.

White layers are auto generated with complete scalability and creates



Designed for production – multiple pallet options

the perfect undertones for maximum presentation – precise calculation of when printing to dark garments – your iQ Rip sees a black shirt as an under base color and corrects accordingly – sharper prints faster.

*"Print quality is essentially the most important reason why DTG Digital has been the benchmark for the garment decoration industry globally - textiles are viewed up close not from a distance like a poster – most DTG machinery options support print heads that simply do not offer a microwave drop picolitre option and struggle to create and adequate or correct waveform for textile decoration. It all comes down to the colour and quality of your print that will make the difference."*

**Jon Cloake - Global Tech Support**



## +options M4

The M2 to M4 conversion = increased super wide print areas.

Simply upgrade your M2 to an M4 by adding a support stand and longer conveyor style platen loader at any time. Start small and expand your profit areas as needed – designed for long runs on multiple shirts or flexibility to decorate all over jeans, towels, clothing panels etc.

With the increased need for larger decoration choice the M4 prints the largest images to a whole host of products. All over shirt prints even XXXL sizes or seam to seam – its flexible. The M4 expansion will allow production to products and add profit opportunities for newer markets.