

**melco**



**G3**

# G3 T-shirt Printer

Direct to garment printing is direct to *profit* printing.

Melco's G3 is our 3rd generation t-shirt printer. Based on our success with G2 in the U.S., we've decided to continue to invest in the latest Epson-based technology for t-shirt printing.

What does this mean to you?

It means that we're making a fast and user-friendly garment printer available to business start-ups, screen printers, embroidery shops and other entrepreneurs for less than \$20,000.

We understand that \$20k is no small investment. However, *G3 can pay for itself in as little as six months.*

Here's how:

\$15.00—Average retail value for a printed t-shirt.

\$6.00—Average cost per shirt. (Includes shirt, labor, overhead & ink.)

\$9.00—Average profit per shirt.

Given these average numbers, it takes about 2,200 shirts to pay for a G3. Sound like a lot? Consider this: **printing 100 shirts per week, the G3 is paid for in less than six months. That comes to just 20 shirts per day, five days per week. That equates to operating the G3 for only two hours per day.**

*At two hours of printing per day, G3 can pay for itself in as little as six months.*



G3 has the largest print area, the best warranty and is the easiest machine to run and maintain compared to other printers in the same price range.





### The Melco Ink System Test:

We left our brand new G3 sitting idle with ink in the lines for twelve weeks. That's plenty of time to destroy a print head. Not only was the print head unaffected, the G3 produced a perfect nozzle check after a single cleaning cycle. Amazing.

# Features, features, features!

These aren't just bells and whistles. G3 is designed with functionality for the user.

## The most valuable feature—reduced printing costs!

- G3 comes with nine refillable ink cartridges. Purchase ink in bulk and save. 99% of the ink you purchase will be used on items you sell. Reduced ink consumption is better for your bottom line and the environment.
- MelcoRIP printing software uses ink at maximum efficiency. Users control ink output and resolution. On dark shirts, MelcoRIP automatically determines white ink density. This means you get vibrant prints with the optimal amount of white under base, saving you money.
- Machine maintenance procedures are less time consuming. Just three minutes and a tiny amount of cleaning solution is all that's required for regular daily maintenance.

**Fast:** Up to 20 darks shirts/hour, up to 60 white shirts/hour.

**Versatile:** Print vibrant color on dark and light shirts, plus many other substrates.

**Large prints:** 16.54" x 23.62"

**Photo quality prints:** 1440dpi resolution.

**Print on thick garments:** Great for hoodies and sweatshirts.

**Portable:** On a wheeled stand, one person can easily move the machine. G3 fits through standard sized doors.

**Print head warranty:** Six months, DOUBLE what other manufacturers' offer.



## White Ink Management

G3 is engineered to prevent white ink clogs. The system has been designed using short ink delivery lines. Thanks to the shorter ink lines, less ink is purged and discarded during maintenance procedures. Combined with the new pressure-sealed ink delivery system, the potential for a clogged machine is greatly reduced. We're so confident in this new system that we offer a six month warranty on the print head; TWICE that of similar machines.

**G3 has a pressure-sealed ink delivery system for clog-free printing!**



# Getting the Job Done

## What's it like to print with a G3?

When you're ready to print for the first time, you'll be pleasantly surprised at how easy the machine is to use. Simply load the design into the MelcoRIP software, then size and position it on the shirt template. Load your blank t-shirt onto the G3 platen and you're ready to print. Once the print is complete, cure the image with a heat press and the job is done.

Pre-treatment is required for printing on dark shirts. Using a paint roller, roll the pre-treatment onto the area of the shirt that will be printed, or use a pre-treatment machine such as ViperOne. Pre-treating a shirt takes less than a minute.

Maintenance at the end of your workday is a simple three minute procedure. G3 is a self cleaning unit. Just tell it to run a cleaning cycle. When that is complete, add a bit of cleaning solution to the capping station and flushing box.

## Software that Works for You

MelcoRIP is the brains behind the beauty.

You have art that needs to get onto a shirt quickly, with accurate color and minimal ink expense. MelcoRIP is your tool for the job and is included with every G3 t-shirt printer.

MelcoRIP calculates ink costs and enables you to modify designs for maximum print quality at minimum cost to you.

# We Put our Money Where our Mouth Is

The G3 DX5 print head comes with a six month limited warranty.

Why is this important to you? Because it demonstrates the durability of this industrial print head. G3 uses white ink to print on dark shirts. White ink can be touchy. It is thicker than colored inks and is engineered to dry quickly. That said, the ink delivery system has to be air tight. G3 is a pressure-sealed system with short ink lines. Sounds great right? Pressure-sealed. Sounds like engineer/techy/marketing jargon doesn't it? We thought so too. So rather than just tell you how awesome a pressure-sealed system is, we put it to the test.

Here in Denver, Colorado Melco is located in one of the most inhospitable environments for DTG printers. The air is thin and the climate is dry. If a printer can function well here, it can just about anywhere.

The manufacturer supplied us with a single unit for testing purposes. After some test prints, (which we were thoroughly impressed with), we left the G3 sitting with ink in the lines. After over twelve weeks of inactivity, we fired it back up for more testing. After running a single power clean cycle, the G3 printed a perfect nozzle check. We were amazed by this result, and are confident you will be too.



G3 sat idle with ink in the lines for over 3 months...and printed PERFECTLY.

**ViperOne  
Pre-treatment  
Machine  
(Stand not included)**



**G3 T-shirt Printer  
(PC & monitor not  
included. G3 Stand  
Optional)**



**Stahls Heat Press**



# Full-scale Production

Sometimes you need higher volume capabilities.  
We won't leave you hanging.

Melco provides all the equipment you need to create an efficient production environment for t-shirt printing. Combine the G3 with a solid heat press and pre-treatment machine, and you'll be printing with the kind of production efficiency that would make Henry Ford proud.

Speaking of efficiency, G3 uses refillable ink cartridges. This reduces waste and lowers your cost.

9 refillable cartridges reduce cost and consumption.



# Get a Free Print Sample

Printing shirts is a tactile business. It's also a visual business and we are happy to offer a free sample so you can see for yourself.

## Invest in G3

So what do you get with your new G3 t-shirt printer?

- G3 T-Shirt Printer
- **On site training**
- MelcoRIP printing software
- Bulk ink and cartridges
- Maintenance kit
- Pre-treatment fluid

Several optional accessories are also available:

- Wheeled cart
- Heat press
- Platens of various sizes
- Pre-treatment machine
- Much more



# G3 Tech Specs

We like the details too. Here is a short list:

G3 T-shirt Printer	DX5 print head, 9 ink channels, 180 nozzles per channel
Printing Method	Direct to garment ink jet printing
Ink Delivery System	Refillable ink cartridges, pressure sealed ink system
Shirt Platen	Motorized platen with digital controls, optional platen sizes & styles available
Platen Size	16.5" x 23.6"
Table Height	Auto-adjustment, up to .8" clearance
Dimensions	26.77" W x 51.18" L x 17.72" H
Ink Type	Water-based textile pigment ink, CMYK + White
Resolution	Max 1440dpi, photo quality
Fabric Types	100% cotton, 50/50 cotton blends
Computer Requirements	Windows operating system
Operating Conditions	50° –77° F, 20%–80% relative humidity
Computer Connections	USB 2.0, Ethernet 10/100
Power Supply	AC 110V

## Optional Equipment:

**Stahls Hover Press**  
16" x 20"



**ViperOne**  
Pre-treatment  
Machine



## Optional Printing Tables/Platens

**Sleeve – 6" x 12"**



**Mini – 11" x 12.5"**



**Universal – 13" x 17.2"**



**Polo – 16.5" x 19.7"**



**Max – 16.5" x 23.6"**



This owl image was printed on a black t-shirt using the G3 T-shirt Printer.

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