


pigment.inc
digital... inks and more

The background of the advertisement is a photograph of a bed with a wooden frame. The bed is covered with a duvet and pillows featuring a vibrant tropical print of palm trees against a blue sky. An open book and a rolled-up scroll are placed on the bed. A semi-transparent white banner is overlaid on the left side of the image, containing the text.

a world of applications

The fabric decoration market extends from traditional apparel to trendy interiors. Designed with the idea of printing "Everything Textile." GoTx® solutions bring innovative answers to the most demanding fabric needs. GoTx® provides the versatility, flexibility, and durability helping drive the transformation of fabric decoration. The celebrated image quality of GoTx® solutions are ideally suited to fashion, interior decoration, homewares, retail displays, and professional photography. Choose your fabrics - and choose GoTx® fabric printing solutions - as you explore the exciting world of decorative textile applications.

print for pay

The need for textile print services in all fabric categories is growing and many entrepreneurs and designers do not have the ability to print in-house. GoTx® currently supplies its solutions to companies who provide these textile printing services. Our customers print a variety of material and applications including small (18" x 18") and large orders (yardage) for end users to make their finished products. The D.I.Y./crafter revolution ongoing worldwide, as illustrated by Etsy.com, has created many small niche markets in need of a provider for their printed fabric. This revolution has undoubtedly made its way to the sign industry with banners and graphic displays now in textiles, and the GoTx® solution is here to help make this opportunity a profitable one.



Designed with the idea of printing "Everything Textile"



wallcoverings, wallpaper and photo murals

Complement and expand your current photo offering by printing to new types of media. A host of digitally coated wallpaper and fabric options await for printing with pigmented or dye-based inks. Tapestries, canvas and wallpaper stocks are readily available and deliver exceptional color brilliance and durability while offering a greener print process.



furniture, curtains and soft furnishings

Co-ordinate everything

Match cushions, curtains, and beanbags, or even upholster entire couches, chairs, and more with the GoTx® solutions. Creativity in color and design drives the home interior market to new levels. Walls, floors, bedrooms, kitchen, and outdoor living spaces all benefit from color and advanced fabric choices.



fashion

Your own designs on your fabric

GoTx® flexibility means having the ability to achieve demanding color and design requirements not available from traditional fashion printing methods. And with our new inksets, GoTx® now images stunning colors on a wider array of fabric types. Whether printing for one or 1000 pieces, imaging for fashion is quick and offers exquisite quality with colors not imaginable several years ago.



street wear/wearables

Fast turnarounds on ANY fabric application.

Print an endless range of high-value applications such as t-shirts, pillows, bags, socks, and really, anything you can imagine! Print to stunning textured all-natural fabrics like linen, silks, and cottons and to synthetic fabrics with either dye or pigmented ink.

Whilst Pigment inks are a relatively new category, our experience shows that a higher rate per meter is driving profits with less processing.

“no steaming, no washing”



sports apparel

GoTx® is a sports apparel producer's dream. With the most expansive pallet of 19 dye sub colors including orange, green, violet, and neon colors, GoTx® images will never be dull. GoTx® media handling system easily accommodates the wide array of stretchable fabrics used for sports apparel. With end-to-end printing and fixing solution, the GoTx® system is the perfect in-house digital apparel producer.

web 2 print

Since the release of DTG garment printers near on 10 years ago, a thriving internet business model has allowed short order digital printing to varied fabrics. This category boon is now also being seen in yardage prints – customers have the ability to purchase a minimum of 1 metre to complete rolls for bespoke applications. The crafter and home sewing market has adopted this internet purchase process to staggering levels over the past few years.

explore the exciting
world of decorative
textile applications

manufacturing

Due to the proportion of the textile and apparel industry that relies on manual labour for its high volume commodity products, the European and American manufacturing facilities have traditionally outsourced their commodity volumes, but a recent trend for the European and American textile and apparel industries is to stay vibrant and economically



healthy by focusing on technology-based processes that garner a higher perceived value. By moving into a higher quality form of print, the ability to print low volumes economically that are commercially viable is an option. A desire from buyers globally is for more bespoke or one-off type digital prints that retain a higher value at retail. Digital printing is cost effective and competitive to screen print in these high value markets. In addition, digital textile printing increases the ability to incorporate more colors in designs. High import fees, pirating of designs, and the economic need to POD have all contributed to the inclusion of digital textile printing in business models. Our high production customers have cut their costs by eliminating import fees and reduced their inventory loss by printing on demand, letting the cash register drive their sales.



professional photography, fine art and decoration

Produce professional photography and fine art reproductions on fabrics. Long lifespan and fade resistance keep prints in top viewing condition on a range of printing materials from canvas to tight weave fabrics – tapestries, framed pictures, and stretched fabric options unleash creativity in new markets.



sign and display

Move over "vinyl"

Fabric displays are foldable and washable. They will not tear and are easier to process – quality prints that are simply brighter and more customer friendly while delivering a higher perceived value at retail. It's an easy transition from vinyl to fabric, and GoTx® has complete solutions.

The celebrated
image quality of
GoTx® solutions
are ideally suited
to fashion, interior
decoration,
homewares,
retail displays,
and professional
photography.





in house sampling

A major cost to any size business is sample production cost and the cost of time lost in waiting on sample production. In-house digital textile printing is changing how businesses approach their sample production by speeding up turn-around times and deeply cutting the cost of sample production. Each of our class of printers has the ability to produce samples because digital textile printing enables you to print exactly the size and quantity needed. Even though the larger machines can print in production mode, you can still print the desired quantity no matter how small. Digital printing eliminates waste of material, time, and money.



window coverings

Capture accelerating growth in a huge new market. Digital printing is changing the way everyone looks at window coverings. Today window blinds, shades, and other indoor window treatments provide form and function. Pigmented inks offer superior fade resistance to dye inks and outdoor applications open new doors to business.



Niche markets

Just too many to list!

There is incredible opportunity within niche markets as well: Soft toys, leather, bow ties, neck ties, wedding veils, custom shoes, hand bags, table cloths, table runners, scarves, kimonos, headwear, leggings, shoe bags, book covers, lamp shades, baby mats, baby wear, costumes, horse blankets, decorative boxes, dresses, shirts, pants, and more. We continue to see an incredible array of applications using GoTx® printers.

educational

The evolution of digitally printed textiles is now being recognized and implemented in the educational sector. Many colleges have departments for textile and apparel. Education facilities can teach both pigment and dye printing in order to prepare their students for their future. To best prepare students for the diverse textile industry through exposure to digital printing, Pigmentinc® delivers complete educational equipment packages and training. GoTx® is currently working with a number of universities to help them obtain the funding necessary to add this technology to their programs.

GoTx® solutions bring innovative answers to the most demanding fabric needs

benefits

- Sustainability
- Low energy consumption (electricity, water)
- Minimum environmental impact
- Less investment, higher savings
- Sampling costs dramatically reduced
- No more engraving departments
- No more cost and stock of screens
- No more colour kitchens
- No set up costs
- Manpower flexibility
- Easy training
- Reduced labour costs
- Quicker response to customer needs

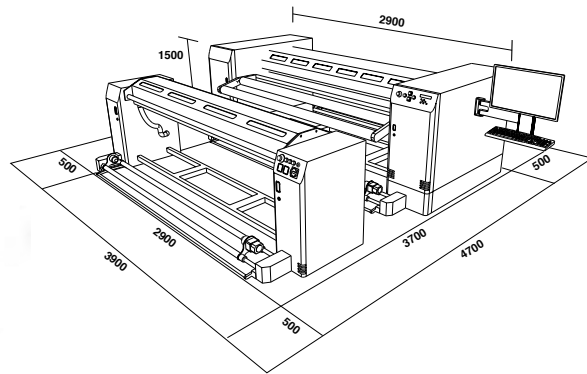


Printer/Inline Fixation Specifications



Technical Key Specifications	1900mm	2600mm
Print Technology	Drop-on-demand Micro Piezo Inkjet Technology	Drop-on-demand Micro Piezo Inkjet Technology
Print Head	2 (staggerd setup)	2 (staggerd setup)
Nozzle Configuration	180 nozzles x 8 lines/head	180 nozzles x 8 lines/head
Drop Mass Range (pl)	4.5 to 45.9	4.5 to 45.9
Head Heights (mm)	>5 +/-	>5 +/-
Colour Set-up	2x4 CMYK (speed set-up) or 8 colour (gamut set-up) Typical - Sublimation Typical - Pigment	
Media Specifications		
Media Width	900mm (35.4") - 1900mm (74.8")	900mm (35.4") - 2600mm (102.36")
Max. Print Width	1900mm (74.8")	2590mm (101.97")
Max. media Thickness	Fabric dependent	Fabric dependent
Ink Specifications		
Ink Type	Sublimation P40i/Reactive P50i/ Pigment P60i	Sublimation P40i/Reactive P50i/ Pigment P60i
Ink Volume	1000ml	1000ml
Ink Colours	Up to 15 (Call for details)	Up to 15 (Call for details)
Average Ink Consumption	15ml/m ² Image/fabric depedent	15ml/m ² Image/fabric depedent
Performance		
Quality	(720 x 720) 25m ² /h	(360 x 720) 30.0m ² /h
Production	(360 x 720) 42m ² /h	(360 x 720) 46.0m ² /h
Speed Production 1	(360 x 540) 50m ² /h	(360 x 540) 55.0m ² /h
Speed Production 2	(360 x 360) 65 m ² /h	(360 x 360) 72.0m ² /h
Max. Speed	108 m ² /h	112m ² /h
Recommended Working Environment		
Temperature	22°C - 30°C with Δt: max. 2°C/h	22°C - 30°C with Δt: max. 2°C/h
Humidity	40% - 60% (non condensation) with ΔRH: max. 5 % RH/h	40% - 60% (non condensation) with ΔRH: max. 5 % RH/h
Machine Measurements (Printer)		
Width x Depth x Height (mm)	2900 x 1500 x 1200 (114" x 50" x 47")	3600 x 1500 x 1200 (142" x 50" x 47")
Weight [Box weight may vary]	650kg	850kg

print + inline fixation = everything textile

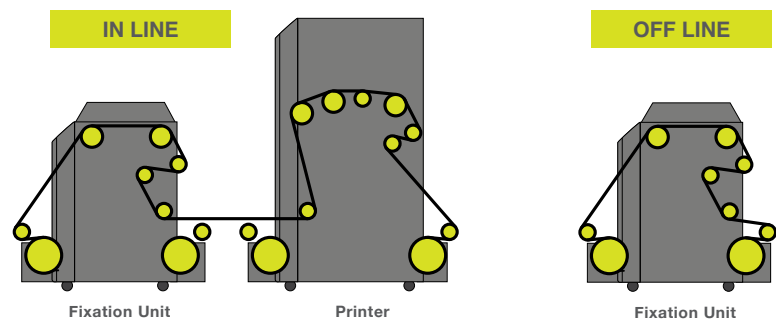


The GoTx® 1900FX/2600FX are powerful fixation units for sublimation and pigment inks. Designed to run inline with the GoTx® 2190/2260 printers with pigment inks for seamless productivity or off line for greater productivity with sublimation inks.

Utilizing quad zone heater element plates below and above the media horizontally where the fabric is not touched during cure. For consistency we do not employ IR heatlamps to avoid cool cure zones across the media. Fixation on a horizontal path provides better control and avoids smoke, steam or oil which can be dragged across the media = ghost free imaging.

NOTE: the flexibility to run fixation inline or offline is dependent on ink choice and production speeds. NOT allowing your printer to be slowed by fixation times is critical in production.

- Up to 95m² per hour output, with variable top, bottom radial axial fans for steam removal
- The GoTx® fixation modules are designed for uninterrupted production and media is NOT touched during transfer fixation process



Horizontal Fixation	1900mm	2600mm
Width x Depth x Height (mm)	2900 x 700 x 1100 (114" x 27" x 43")	3400 x 700 x 1100 (134" x 27" x 43")
Media size (mm)	900-1900	1200-2600
Elements / Zones	12 / 4	12 / 4
Speed	> 80m ² /Hour	> 80m ² /Hour

Inks

At GoTx® "we know textiles" and the right ink does make all the difference.

- DTG.P40i Sublimation [12 colors. inc. neon]
- DTG.P50i Reactives [8 colors]
- DTG.P60i Pigment ink [8 colors]
- Better colors
- Less settling
- Better head conformity
- Better wash and hand

Typical Ink Setups	No of Colors
Sublimation	4/8
Reactive	8
Pigment	8

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. GoTx, Roto-trac, dtg digital, Forward Thinking and PigmentInc are registered trade marks and or copyright of Impression Technology Pty Ltd, Australia. All copyright reserved.



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We're green, or try as hard as we can to be a responsible corporate company who takes our environment policies seriously. We endorse and partner with suppliers who also adopt similar principles.



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