

NEW HIGH SPEED ENGINE



UP TO
200
m²p/h

"EASY" TEXTILE PRODUCTION

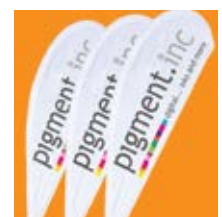
GoTx[®]
TEXTILE

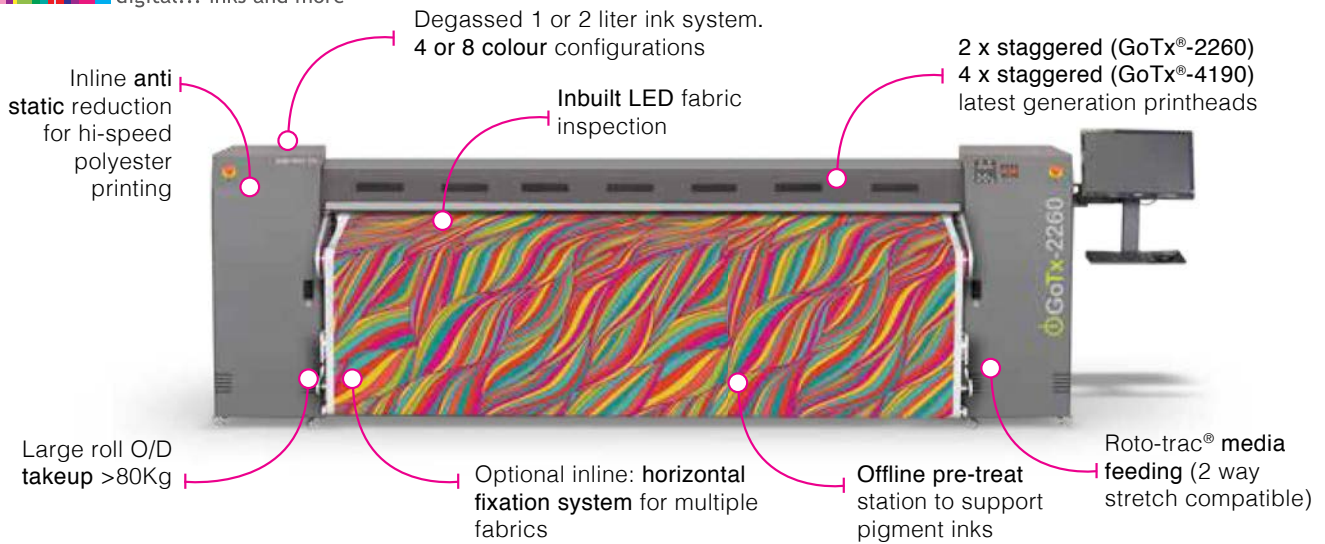
The **GoTx[®]** series was designed for uninterrupted mass decoration to a variety of textiles with either pigment ink, reactive or sublimation dyes. It prints direct to static and 2 way stretch fabric. Our media feeding system is a patented process that delivers minimal fabric shift and feed accuracy across the roll without the need of sticky blanket systems. Moreover, The **GoTx[®]** system is available with inline horizontal fixation equipment and an optional offline pre-treat station to complete any process requirement.

The **GoTx[®]** printers are available in widths of 2.6 meter (GoTx[®]-2260) - powered by dual staggered Epson DX7 heads and 1.9 meter (GoTx[®]-4190) - with staggered quad (4) Epson DX7 print heads. With drop sizes from 4.5 to 45 pcl and typical production speed from **120 - 200sqm/h**. Configurations available are either dual CMYK for higher speed production or for an increased colour gamut range with 8 colours by adding for example - red, orange, violet and green. The **GoTx[®]** is flexible in that one machine can run a multiple range of inks - Reactive, Pigment and Sublimation ink sets which have all passed internal certification testing for print head reliability and jet performance.

DIRECT²TEXTILE

If your market is flag, banner, soft signage, fashion, swimwear, sportswear, garment manufacture, crafting or soft furnishing, our inks, fabric feeding and advanced print heads will make production "easy" and all at a very affordable price.





We are "all about colour"

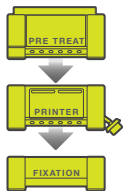
Our inks are bespoke and designed for printing any fabric in either synthetic or natural fibers. We have formulated the inks specifically for maximum colour gamut to natural fibers like cotton, silks and wool with our P60i pigment and P50i reactive range. Our P40i sublimation ink for polyester and spandex is crisp and sharp with the addition of chromatic dyes that deliver fantastic colours – all our inks deliver deep black, brilliant green and even difficult violet colour ranges. If you really want to stand out – add our range of neon inks and offer the widest colour gamut in the Industry. Perfect for promotional and brand awareness campaigns.



| | Cotton | Silk | Polyester | Nylon | Wool |
|---|--------|------|-----------|-------|------|
| REACTIVE DYE Pretreated Fabric Steam, Wash, Dry | X | X | | | X |
| SUBLIMATION DYE Pretreated Fabric Dry Heat | | | X | | |
| PIGMENT Non-treated Fabric Dry Heat | X | X | X | X | X |

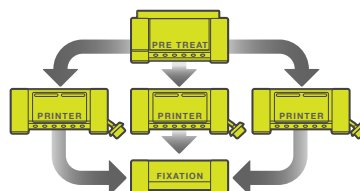
| TYPICAL INK SETUPS | No of Colors |
|--------------------|--------------|
| REACTIVE | 8 |
| | |
| SUBLIMATION | 4/8 |
| | |
| PIGMENT | 8 |
| | |

A IN LINE PRODUCTION



- Run one printer with a pre-treat station and fixation system inline or... run multiple printers with just one fixation and pre-treat station offline. Its ready to grow with you.
- If you need to print samples and short run strike offs you can.

B OFF LINE PRE TREAT AND FIXATION FEEDING MULTIPLE PRINTERS



- If you need to print multiple materials with a lot more output you can.
- The PigmentInc[®] GoTx[®] range is ready to grow when you are.



GoTx® - TEXTILE SERIES “ALL ABOUT COLOUR”

Intelligent Features

- Degassed pressurised ink delivery system, ensures correct ink delivery to nozzle plates for uninterrupted printing with a massive 45.3picolitre variable drop for extreme penetration to thicker fabrics.
- For lighter fabrics with greater need for colour and image quality our printer firmware supports a minimum drop size of just 4.5ppl.
- Optional inline horizontal fixation module.
- Inline anti static mounted on the infeed, for hi-speed polyester printing.
- 4 x Staggered DX7 heads.
- Configurable head and inks systems are at the core of the **GoTx®** printer range.
- Renowned patented media handling system. Allows for all common fabrics including 2 way stretch knit fabric compatibility.
- This is a massive savings on equipment and man power costs over sticky blanket machines.
- PigmentInc® offline pre-treat device for pigment inks – delivering higher colour gamut and wash fastness without sacrificing the fabric feel.

Feeding and Take-Up System

Our patented feeding and take-up system delivers precise tension control to fabrics. Fabric will not be over stretched, tilted, or wrinkled in the course of transfer.

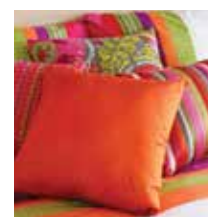


ROTO-tract® Registration System

A constant quad traction roller system ensures fabrics are in constant alignment with minimal media shift during print. Registration is the key advantage. Extended media width of either 1900 or 2600mm with a 300mm O/D roll >80kg. There's less “wander” and fabrics are maintained level reducing head strikes across the entire print path.

Inline Waste Ink Collecting System

Our ink gutters can easily handle ultra-thin fabrics and strike through since any excessive ink drops passing through the fabric are uniformly collected by the waste ink gutter. A simple wipe out at end of production is the only cleaning required and ink gutters are removable for cleaning outside of the machine area.



Specifications



| Technical Key Specifications | 1900mm | 2600mm |
|--|--|---|
| Print Technology | Drop-on-demand Micro Piezo Inkjet Technology | Drop-on-demand Micro Piezo Inkjet Technology |
| Print Head | 4 (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 / 4) 67.7m ² /h | (360 x 720) 30.0m ² /h |
| Production | (360 x 720 / 2) 83.2m ² /h | (360 x 720) 46.0m ² /h |
| Speed Production 1 | (360 x 1080 / 2) 117m ² /h | (360 x 540) 55.0m ² /h |
| Speed Production 2 | (360 x 360 / 1) 165m ² /h | (360 x 360) 72.0m ² /h |
| Max. Speed | 204.3 m ² /h | 112m ² /h |
| Power Consumption | | |
| During Printing | 200W | 1000W |
| Stand-by/Sleep/Power Off | 38W / 30W / < 3.8W | 160W |
| Power Supply (Printer only) | AC 100-120V/AC 200-240V @ 60/50Hz | AC 100-120V/AC 200-240V @ 60/50Hz |
| Noise (dB) | ± 69.8 (printing) / ± ± 60.5 (standby) | |
| 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 | | |
| 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 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.