

NEW HIGH SPEED ENGINE



"EASY" TEXTILE PRODUCTION

UP TO
200
m²/h

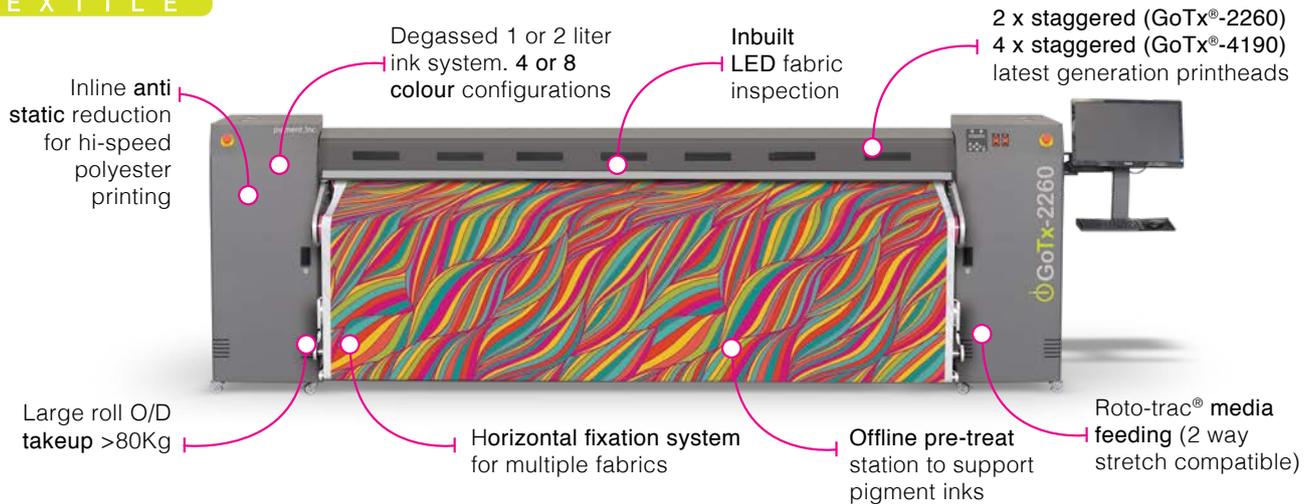
The **GoTx®** series was designed for uninterrupted mass decoration to a variety of textiles with either pigment ink, reactive or sublimation dyes. It prints direct to static and 2 way stretch fabric. Our media feeding system is a patented process that delivers minimal fabric shift and feed accuracy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

The **GoTx®4190** is powered with staggered quad (4) Epson DX7 print heads at a width of 1.9 meters. With drop sizes from 4.5 to 45 pcl and typical production speed from **60 - 120sqm/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

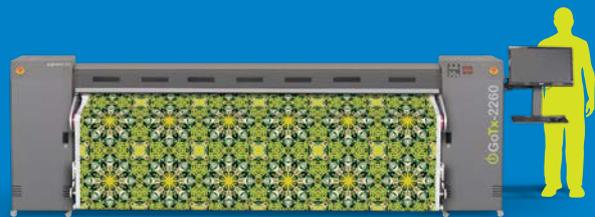
If your market is flag, banner, soft signage, fashion, swimwear, sportswear, garment manufacture, crafting or soft furnishing, our inks, fabric feeding and advanced print heads will make production "easy" and all at a very affordable price.





We are "all about colour"

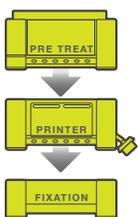
Our inks are bespoke and designed for printing any fabric in either synthetic or natural fibers. We have formulated the inks specifically for maximum colour gamut to natural fibers like cotton, silks and wool with our P60i pigment and P50i reactive range. Our P40i sublimation ink for polyester and spandex 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

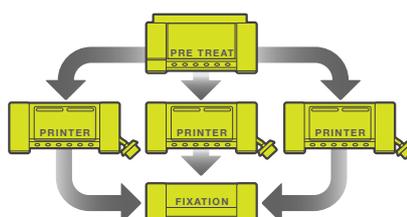
TYPICAL INK SETUPS	No of Colors
REACTIVE	8
SUBLIMATION	4/8
PIGMENT	8

A BETTER PRODUCTION



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

B FULLY EXPANDABLE SYSTEM



- 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.



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 4.5pcl.
- Optional horizontal fixation module.
- Inline anti static mounted on the infeed, for hi-speed polyester printing.
- 2 or 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.

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.



GoTx[®] - TEXTILE SERIES "ALL ABOUT COLOUR"



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 1900mm 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	2190 & 4190 [1900mm]		2600 [2600mm]
Print Technology	Drop-on-demand Micro Piezo Inkjet Technology		Drop-on-demand Micro Piezo Inkjet Technology
Print Head	2 or 4 (staggerd setup)  or 		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	2190	4190	2600
Quality	(720 x 720) 25m ² /h	(720 x 720 / 4) 67.7m ² /h	(360 x 720) 30.0m ² /h
Production	(360 x 720) 42m ² /h	(360 x 720 / 2) 83.2m ² /h	(360 x 720) 46.0m ² /h
Speed Production 1	(360 x 540) 50m ² /h	(360 x 1080 / 2) 117m ² /h	(360 x 540) 55.0m ² /h
Speed Production 2	(360 x 360) 65 m ² /h	(360 x 360 / 1) 165m ² /h	(360 x 360) 72.0m ² /h
Max. Speed	108 m ² /h	204.3 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 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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