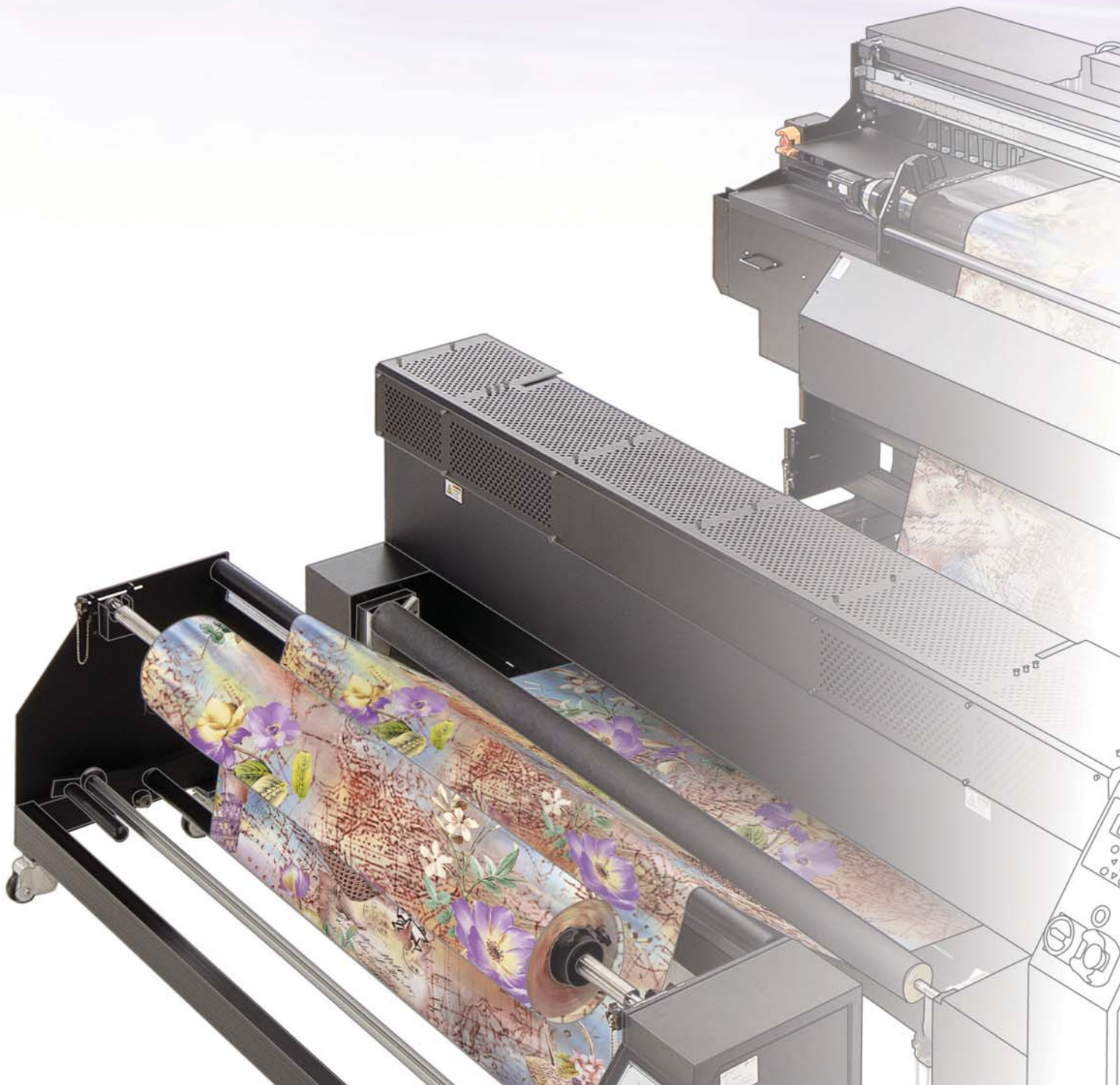




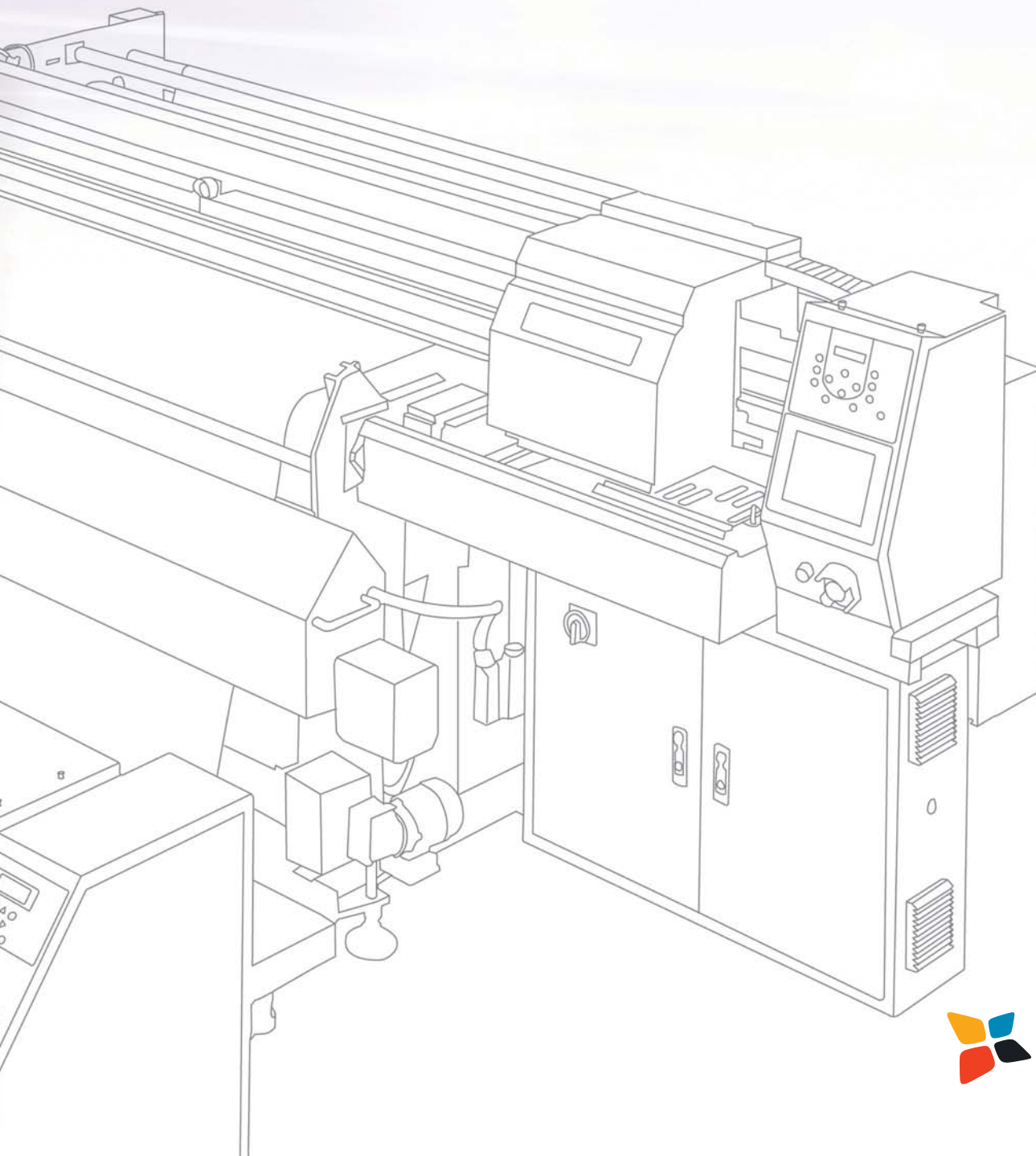
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www.dgen.com

Stylish, Creative & Green Planet



Artrix GT

true industrial textile printer



Artrix GT

More business opportunity

Easy and quick samples provided by Artrix/GT and thanks to the high productivities of it's 100sqm/h, Artrix/GT gives you more opportunities of business. You can produce medium run within a day and enjoy on demand production that allow risk free business without inventory.

More profitable business, less labor cost

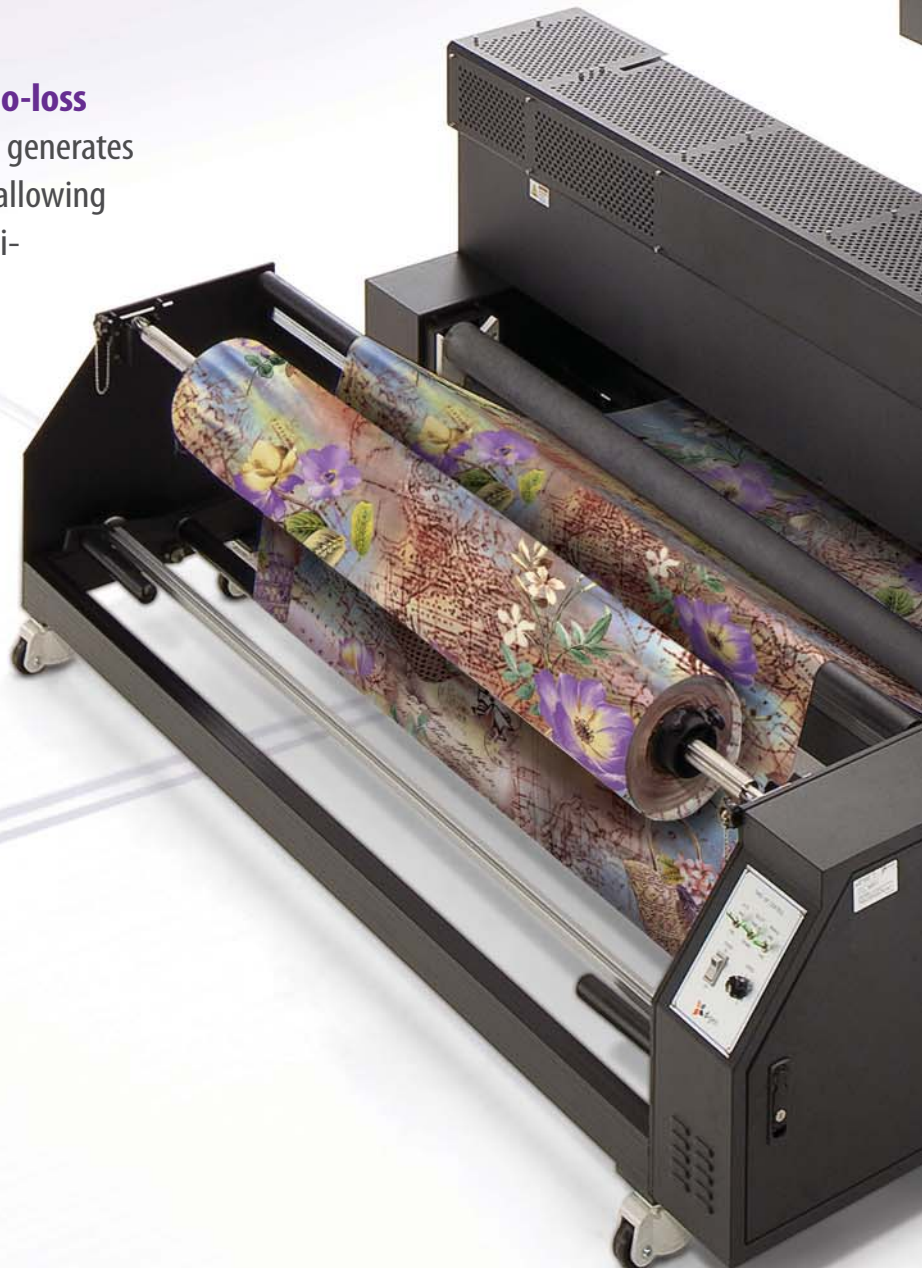
Artrix/GT allows "non-price" competitiveness, provides unlimited color gradations in high quality with unlimited size of textile printing as like 10 yard long high fashion silk scarf, that brings you more profitable business.

Recently our business environment ask more salary, so that requires change of way to save labor cost per area(m²) rather than save labor cost per person.

A professional digital textile mill needs much less workers than a traditional printing mill.

More green, high productivity, no-loss

With Artrix/GT, digital textile printing generates much less pollution than traditional, allowing textile business to become urban business. Also, the high productivity of Artrix/GT gives you no-lots, no-loss production that helps you to save costs dramatically.



**It's not just about printing on textile.
It's about More Business, and More Profit and, More Green
and Digital Printing on Textile.**



*Speed up to **100** m²/h by 540dpi, 3colors*



Artrix GT

Artrix - true industrial textile printer Designed for non-stop 24 hours a day 365 days a year

Artrix is the most cost-effective industrial textile printer, featuring the highest quality and good run-ability; up to 100 m²/h.

Industrial Textile Printer combining cost efficiency, no-loss production and good productivity.



Good run-ability for no-loss production

The Artrix/GT with the most advanced 508 nozzles print-head and perfectly integrated Ink, RIP s/w, CMS s/w allows good run-ability and no-loss production.



Belt type feeding system with adhesive blanket technology

The adhesive belt type allows stable fabric feeding even with strong elastic 2-way spandex. Belt washing and drying system allows a clean belt all the time and high quality printing. Equipped belt washing and drying system makes belt clean all the time and allows continuously.



Easy operation like a desktop printer

d-gen provides a full integration of printer, ink, RIP s/w, color s/w, pre-treatment recipe as one application.

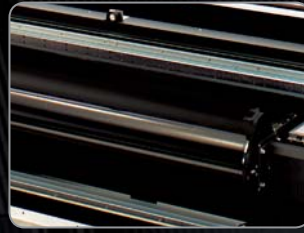
Printing on textile becomes as easy as printing on paper by desktop printer.





■ **8 latest Print Heads with Staggered Layout Configuration**

The most advanced 508 nozzle print heads and unique staggered layout configuration, Artrix GT provides speed up to 100m²/h by 4 colors / 3 pass mode.



■ **Detachable Belt Washing Unit**

The belt washing unit keeps clean the belt and extend the adhesiveness. Brush wash out the ink deposit and fabric fuzz. The belt cleaning unit designed to be detachable, for easy clean brush



■ **Wrinkle Free Expander**

The expander spread and unroll up the edge of strong elastic fabric (even 2-way spandex) that attach to the belt evenly.



■ **EPC (Electronic Position Control Function)**

EPC keeps fabrics edge on a position with high accuracy. As a result, Artrix provides non-stop high quality productions.



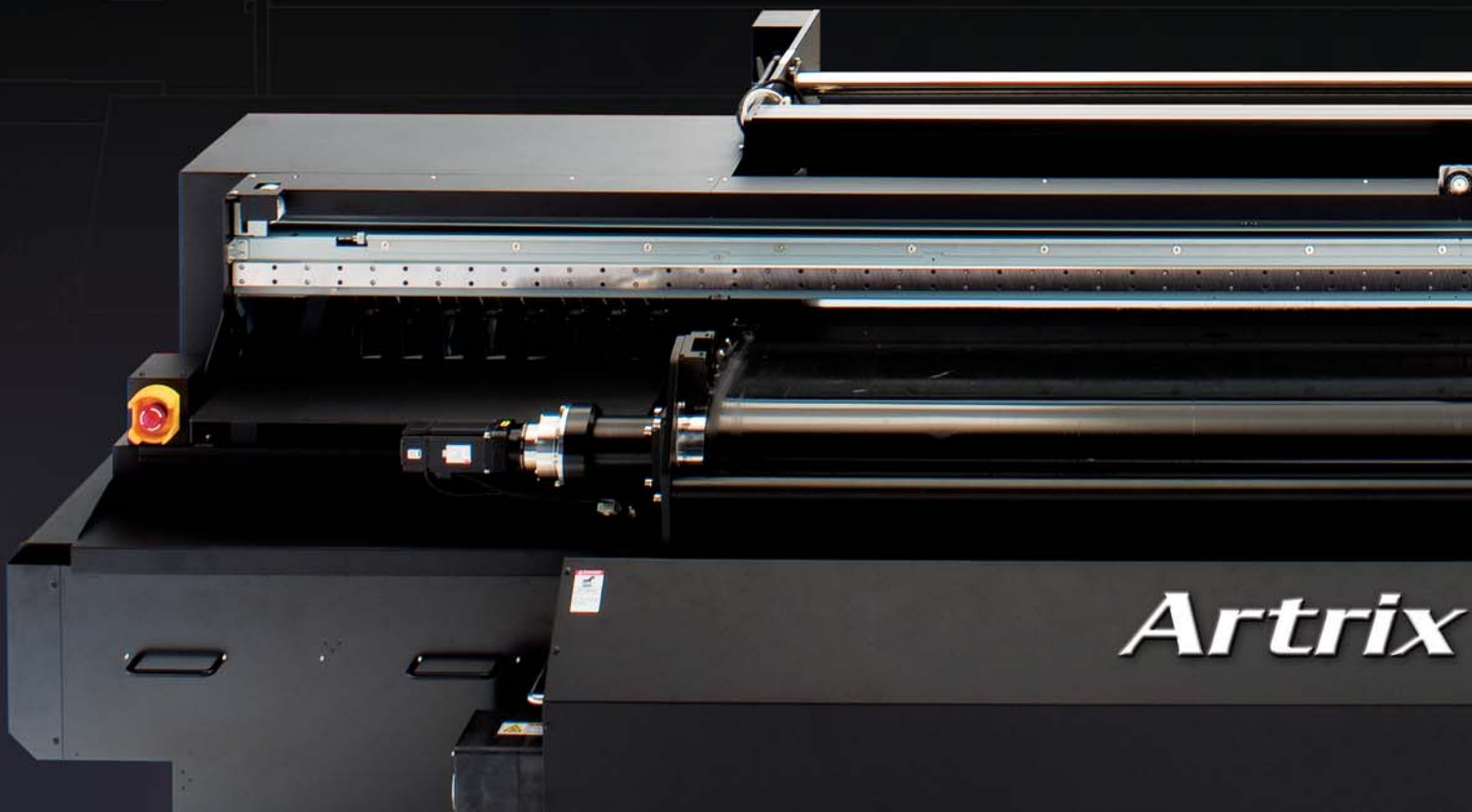
■ **TU-400 (Take up Unit ; option)**

TU-400 designed for customers who need bigger take-up unit than built-in one. Max diameter 40cm and max 65kg. (about 400m/roll fabric ; base on 65g/m² standard)



■ **JRF-3000, JRT-3000 (Jumbo Roll Feeder and Take up Unit ; Option)**

All night long non-stop printings are possible by professional jumbo roll feeder and jumbo roll take-up unit. Max diameter 60cm and max 300kg each (about 3000m/roll fabric ; base on 65g/m² standard)



Artrix



■ **Built in Dryer**

This powerful built in dryer allows instant drying of fabric right after printing; it prevents rewind with contamination. For thicker or heavier fabrics may need purchase of 2nd dryer.



■ **Droplet Detection (optional)**

Droplet detection is an automatic head nozzles checking system to prevent loss and waste time.



■ **Large Volume Ink Cartridge**

Each ink cartridge contains 2kg of ink. The sub ink tank system, enables you to refill inks while printing. The built-in IC Chip contains information for best printing condition.



■ **HeatMAN
(2nd Dryer ; optional)**

2nd dryer for thicker or heavier fabrics; this powerful stand alone HeatMAN helps more accurate dry of fabric after finished 1st step of dry process through built in dryer. It's also workable as Heat-fixation unit for polyester.



■ **HeatMAN GT
(professional Heat Fixation Unit
for polyester ; optional)**

HeatMAN GT allows Artrix/GT to print and fix at the same time polyester fibers. Embedded computer controls automatically heat-fixation speed and temperature proportional to the amount of ink.



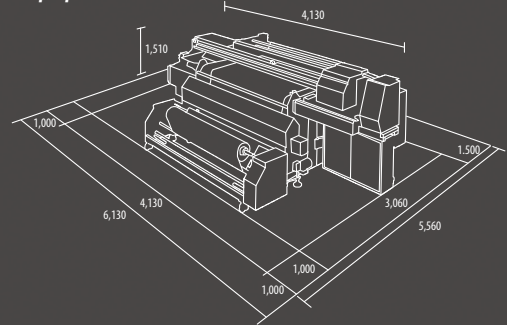
Artrix GT specification

Model	d-gen TX7400/Bs				
Maximum Printing Width	210 ~ 1,800 mm			Printing Method	Piezo inkjet
Printing Head	8 Head			Maximum Resolution	720 x 720dpi
Printing Speed		4 color	8 color	Media Feeding System	Belt(blanket) Type with automatic washing unit
	Quality Mode	140m ² /h	70m ² /h	Fabric Thickness	Height adjustment max. 12mm
	Good Quality Mode	100m ² /h	35m ² /h	Head Cleaning	Automatic and Manual Head Cleaning
	High Quality Mode	70m ² /h	35m ² /h	Interface	Base - T (CAT.6)
	Best Quality Mode	35m ² /h	18m ² /h	Outside Dimensions	W4,010mm X D 1,550mm X H 1,600mm
Power	Printer : AC 380V, 3 Phase + N + PE, 7A, 50/60 Hz			Operational Environment	Power On - Temperature: 16~24°C / Humidity: 40~65%
	Dryer : AC 380V, 3 Phase + N + PE, 13A, 50/60 Hz				Power Off - Temperature: 10~50°C / Humidity: 20~60%

Artrix GT with TU-400



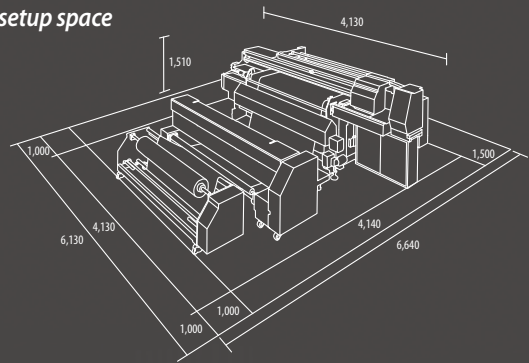
setup space



Artrix GT with HeatMAN (2nd dryer) and TU 400



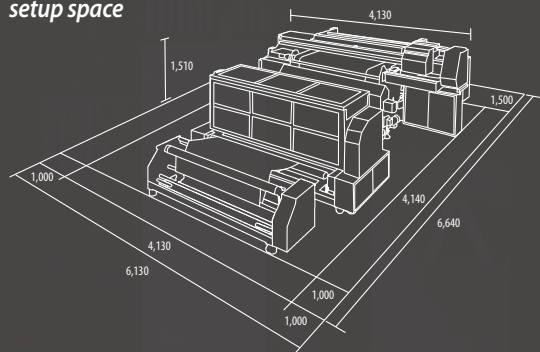
setup space



Artrix GT with HeatMAN GT and TU 400



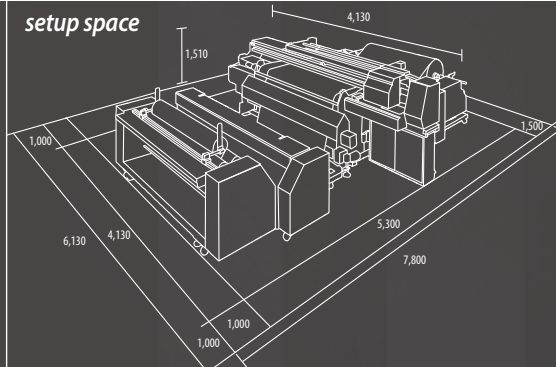
setup space



Artrix GT with JFR 3000, HeatMAN and JFT 3000



setup space





CMS is not only for vivid and/or rich colors but also to guarantee and standardize color reproductions. CMS allows matching colors easily and transferring the colors correctly to a 3rd party at anytime.

Color you chose on computer monitor become the final color on printed textile after steam and wash.

Is it possible to match color on monitor with the one you scanned?

Is it possible to match color on the monitor with the printed color on textile?

- **Why CMS in Digital Textile Printing**

Easier and more ecological than traditional textile printing, CMS on digital textile printing allow you to re-calling color that saved before. For this, CMM (color matching module) to create color as you desire and CMS(color management system) to manage it, are necessary.

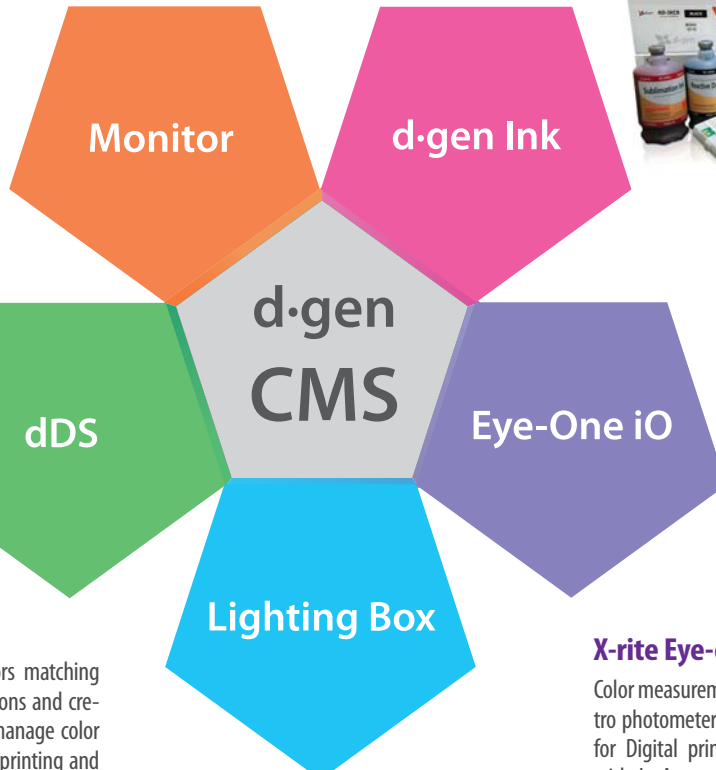
- **Commitment of color starts from matching and choosing color on Monitor, only!**

To minimize the waste time and cost, it's necessary matching color on monitor between color on finally print out textile. But to check the print outs by Inks based on CMYK with the color monitor based on RGB it needs control and adjustment, color temperature, etc, and full support of Adobe RGB color, which are only available through professional monitor.

d-gen CMS provides an ideal working environment to professional textile printing mill with superb function and stable condition to make desired color and re-production through color managements.

Eizo ColorEdge monitor CG245W

Monitor's uniform rate of brightness is correctable by each pixel unit. By built-in accurate gamma value, allow to nice gradation without color ton jump together with wide color gamut. For the perfect white balance, Hardware Calibration is supported. Built-in color swing sensor allows easy and automatic Calibration, regularly monitor hood is provided .



d-gen Textile Ink

Most optimized for d-gen textile printers, together with vivid colors and good run-ability. It's a real Eco-friendly ink which meets the requirements of EU's REACH Regulation.



d-gen Digital Studio

Does everything that needs to colors matching and management in textile applications and create files for the RIP. Create/acquire/manage color charts. Etc and for the Digital Textile printing and production data management



X-rite Eye-one Pro

Color measurement device for CMS, It's a Spectro photometer for ICC profile and Calibration for Digital printer and monitor. Connecting with I0-Automatic Table automatically completes color measurement by assigning the position within appointed area.



X-rite Judge II Lighting Box

This compact visual color evaluation system provides the closest fluorescent daylight simulation available today in a construction that will meet your needs. The Judge II combines exceptional versatility and quality and offers the best value where space is an important consideration when evaluating color quality and uniformity.



d·gen Digital Studio

It's not the magic

- You can print any desired colors on textile in your own design.
- The colors that you chose on the computer monitor are finally fixed exactly the same on textiles after post printing process.
- Re- order become easy; only by few clicks you can re-call all the data for printing on textile such as providing data base for color way, color separation file, amount of ink, even recipe of pre-treatment for fabric.

dDs provides powerful functions that work as a plug in s/w for complement of Photoshop

1. Does everything that needs to colors matching and management in textile applications and create files for the RIP. Create/acquire/manage color charts. Etc
2. Creates ICC target/reference for a standard profiler or even create a whole new ICC itself starting from dDS calibrations.
3. Based on ODBC/SQL, lets you manage database from inside the dDS. Works inside dDS, and selected items can be opened under dDS interface and managed.
4. Traditional printing simulation: used to make digital samples of a planned/future traditional bulk production for professional printing mills.

The major difference of making color between DTP vs. TTP is, TTP makes color when they need but DTP just use re-called colors from computers that were archived before.

TTP ; traditional textile printing DTP ; digital textile printing



Easy and powerful Advanced function for color control !

Easy control of color reproduction and efficient digital textile printing process control software

dDS-d-gen Digital Studio



● Making colors as you wish ! Manage colors as you want !

dDS generalizes the color in your design or any raster image file, as if measuring length by ruler and weight by scale. Rather than adjusting jetting quantity of ink, through its own Color Matching and/or Color Management System, dDS prevents different color coming out from same image today than yesterday and/or different colors coming out by 2 printers with same image, at same time, and it provides consistent output for different ink-set and fibers.



● Make your own color chart !

In addition to standard color charts like pantone or DIC, dDS enables you to make your own color chart by standard ICC. By using the color chart with their own code, you can provide consistent and accurate colors and apply them to your customers' design fast and easily.



● Manage your design & production database, fast and easy!

Fine and delicate color expression is now available; dDS standardizes mixture ratios of dyestuff used in traditional printing by percentage (%). You can easily change and adjust color value as you wish and the color value can be reused anytime at your disposal. Also dDS allows easy reproduction at any time by providing data base for color way, color separation file, amount of ink, even recipe of pre-treatment for fabric.



● Achieve the same halftone of traditional printing by digital printing!

With the halftone simulation is possible to represent traditional halftone into digital; you will satisfy your customer's needs by producing a wide variety of samples. The selected samples can then be used for mass production as well. This simulation function also let you be free from repeated color adjustment job and save time and costs (screens, fabric, ink, labor etc).