

TexJet[®]
echo²

Superior results from your efficient and easy-to-use

DIRECT TO GARMENT PRINTER

*“Ideal for **start-ups** and **small**
businesses ready to **scale up.**”*



polyprint[®]
DTG PRINTERS

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Introducing a new choice from Polyprint!

The **TexJet®echo²** direct-to-garment (DTG) printer comes with **fantastic features** to help you print nearly on any type of garment, at a **price point** that won't break your budget.



What comes with it?

- * 1 set of sealed ink cartridges.
- * CADlink-RIP software.

Overview

NEW

Sealed ink cartridges
140-ml single-use cartridges for smooth ink flow

NEW

Emergency Stop Button
Stops printer function instantly with just one click

Quick Access top cover
For easier maintenance & service

NEW

Data logs
So our support team can diagnose problems remotely

Increased print-head gap (from 1.8 to 2.5 mm)
Precise and faster printing on thick garments

NEW

Humidity and temperature sensors
Monitor environmental conditions for optimum results

Efficient design
Easy platen removal and garment loading

NEW

Linear motion system (y axis)
Synchronous motor increases stability of platen movement

NEW

Simple interface
Intuitive menu screen with helpful messages

CAN REMAIN IDLE FOR UP TO 30 DAYS! *

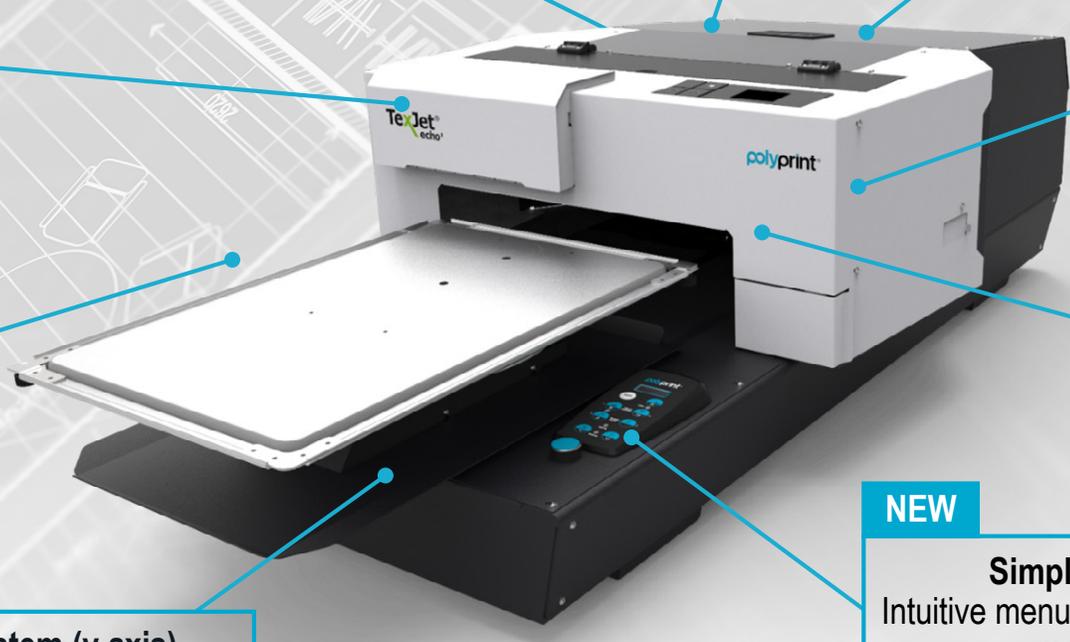
* WITHOUT INK WASTE.

TOP-NOTCH WHITE INK QUALITY & COVERAGE! *

* WITH ONLY **ONE PASS**.

MOTORISED AUTO HEIGHT ADJUSTMENT! *

* HEAD GAP 2.5MM (0,1").



Highlights of TexJet® echo²

Superior Quality



Crisp detail and vivid color to impress any client.

Easy use & maintenance



Minimal training needed.

Increased effectiveness - Quick ROI -



Print more and spend less.



Superior Quality

How does the TexJet® echo² achieve this lofty goal ?

- **It has the smallest ink drop size in the DTG industry (3pl)** to achieve the scalpel-sharp detail that will make your products stand out.
- **Its linear unit motion system (y axis)** is a robust closed unit controlled by a synchronous motor that provides stable and accurate platen movement.
- **Sealed ink cartridges (140 ml)** improve ink flow for smooth and clean distribution on your garment.
- **A print-head gap of 2.5 mm** achieves precise printing on uneven surfaces in bi-directional mode.



Easy use and maintenance

What makes TexJet® echo² easy to use ?

- Its design allows **easy platen removal** and **garment loading**.
- The **simple interface** has **intuitive functions** and **helpful messages** on its display to guide and alert the user when the printer doesn't have the proper conditions for operation.
- Its **10 platens** are **light** and snap on magnetically **in a snap!**

What makes it easy to maintain ?

- It has **maintenance-free** mechanical parts in its y axis motion system, extending your service periods (once every 30-60K prints).
- The **sealed ink cartridges** keep the print head nozzles performing better, meaning minimal cleaning.
- The printer keeps **data logs** so that our support team can diagnose problems faster, more accurately, and remotely!



REAL CUSTOMER BENEFIT:
SAVES TIME AND LEADS TO CUSTOMER
SATISFACTION
HAS A SHORT LEARNING CURVE AND
INCREASES PRODUCTIVITY

Increased effectiveness / Quick ROI

What makes TexJet® echo² cost-effective ?

With one of the lowest prices for a DTG printer in the industry, the **TexJet®echo²** can generate ROI quickly, essential for a small operation. It also has **low running and maintenance costs** and a **3-year limited warranty**, ensuring the safety of your investment. *

* **Costs included in ROI:**

- Printer price, spare parts, running costs, warranty etc.

Best of all, the TexJet® echo² helps you sell more garments at higher prices because of its superior print quality.

At 50 shirts per day, you can enjoy the lowest cost per garment in the industry, and this printer can do 50 shirts in less than 2 hours!

* Including garment loading/unloading time.

** Based on 15 darks/35 whites 25x20cm (10x8") design, 720x720dpi CMYK, 1440x720dpi White



REAL CASE CUSTOMER DATA: *

*** 50 T-SHIRTS/DAY= 10.000 T-SHIRTS/YEAR**

Cost-effective definition:

“Something that is **cost-effective** saves or makes a lot of money in comparison with the costs involved.”

*Collins Dictionary



How will you customize your TexJet® printer?

Select the **options** to best fit your **business needs** and **customize** your TexJet® printer to make your production process **easier, faster, and more cost-effective.**

Which type of ink do you need?



2
OPTIONS

How will you pre-treat your fabric?



3
OPTIONS

Which cartridge type will work best for you?



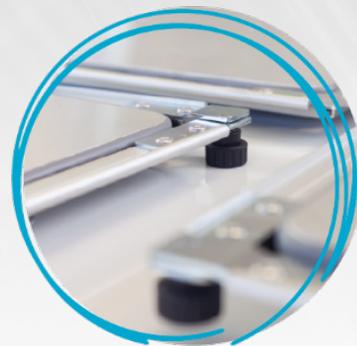
2
OPTIONS

What ink configuration should you use?



2
OPTIONS

Which platens will suit your needs?



10
OPTIONS

Want to combine old and new methods?



Which type of ink do you need?

#Standard



High-quality prints must have high-quality ink, period. Excellent ink consistency, color, and overall performance deliver the best results.

- ✓ **DuPont:** CMYKW. This industry standard provides reliable, top-notch ink for impeccable print-head performance and solid repeatability.
- ✓ **Power Inks:** CMYK. This option provides increased color vibrancy, 30% more wash fastness, and shorter fix times (120 sec on dark garments, 60 on light), great for high-volume production and daily printing.

#Optional



WHAT ABOUT CLEANING SOLUTIONS?

BASED ON THE TYPE OF INKS YOU USE, WE OFFER A CLEANING SOLUTION FOR BOTH OPTIONS
DUPONT INKS CLEANER
POWER INKS CLEANER

How will you pre-treat your fabric?

Pre-treatment solutions (applied to the fabric prior to printing) guarantee sharp detail, even on the most intricate designs, and strong color, wash after wash.

Depending on the color of the garment to print, Polyprint offers the following solutions.

- ✓ **P5001:** Industry standard for **dark garments** to achieve high print quality with rich, vibrant colors and soft hand.
- ✓ **P5003:** This solution, also for **dark garments**, offers faster white ink drying, 50% shorter fix times, and 30% higher wash fastness. It's also optimized for tunnel drying.
- ✓ **Polycoating:** This option, for **light-colored** cotton and polyester, improves color vividness and print detail accuracy. It also increases wash fastness by 30%.



WHAT ABOUT DARK POLYESTERS?

IT DEPENDS ON **POLYESTER TYPE** (DYE AND FIBRE). TESTS HAVE SHOWN THAT ONLY **10%** OF THE AVAILABLE FABRICS HAD GOOD RESULTS THAT MEANS THAT WE HAVE YET TO PROVIDE A UNIVERSAL SOLUTION.



Which cartridge type will work best for you?

#Standard



Your TexJet® has two cartridge options, mostly based on the volume and frequency of your production.

#Optional



- ✓ **Sealed (single use):** Easy, clean and ready to use with optimum ink performance and print quality. Ideal for small to medium-volume production runs and for those who don't necessarily print on a daily basis.
- ✓ **User-refillable (bulk ink):** For medium to high-volume productions runs, frequent printing and when sales margins are limited (fulfilment, fashion etc.).



WHY SEALED CARTRIDGES?

- ✓ ACCORDING TO TESTS, SEALED INK CARTRIDGES HAVE AROUND 50% LESS NOZZLES LOST.
- ✓ FOR SMALL-MEDIUM PRODUCTIONS THAT MEANS FEWER CLEANINGS.



What ink configuration should you use?

Your ideal configuration will depend on whether you print only on light-colored garments or you switch between light and dark garments. Regardless of what you choose now, you can change configurations at any time.

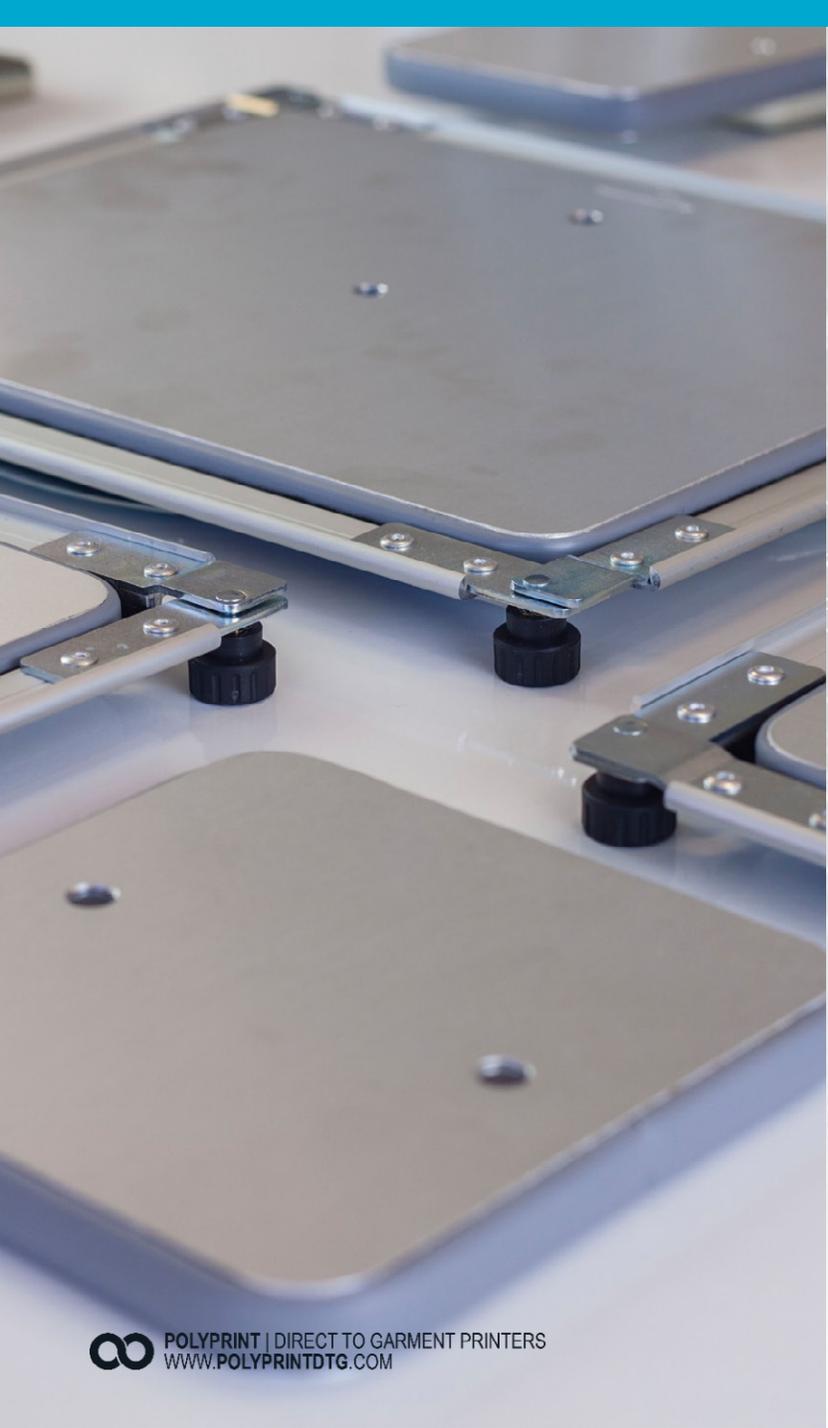
You can switch between ink configurations at any time.

#Standard

✓ **CMYKW:** Standard for both dark and light garments to give you the most options on a wide range of garment colors.

#Optional

✓ **2xCMYK:** 40% faster printing on light garments or prints not requiring white ink, making it ideal for high-volume production runs.



Which platens will suit your needs?

Be ready to print on anything!

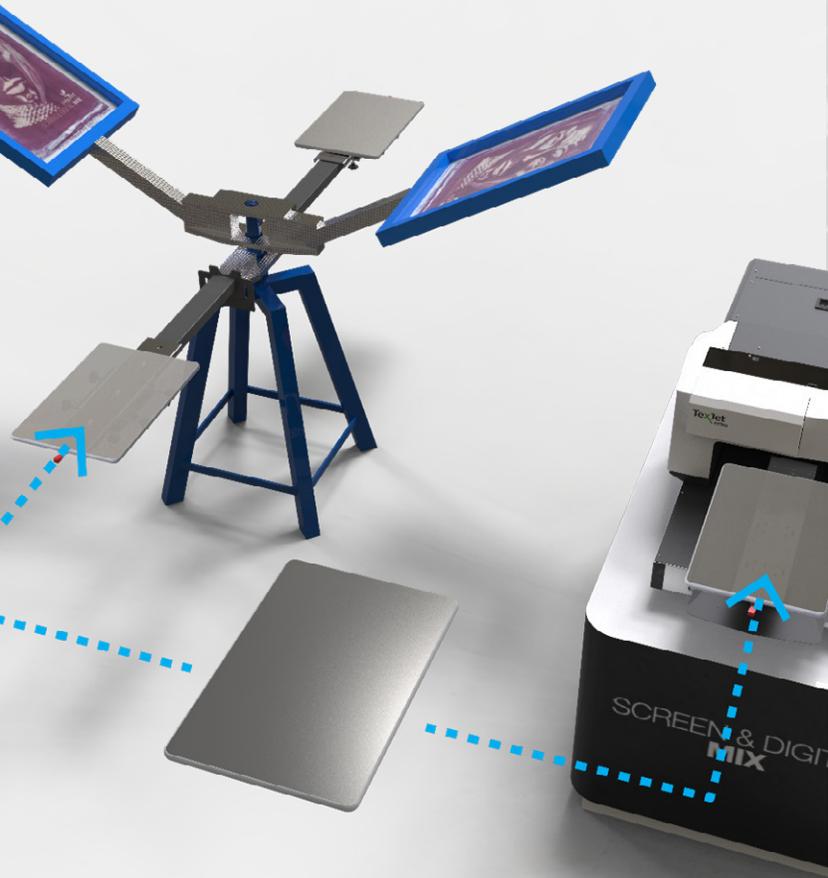
TexJet® echo² has **10 platen options** that snap on magnetically and range in shape and size from 15x15 cm (6x6 in) to 41x60 cm (16x24 in)*. You can even get a shoe platen! Plus, the adjustable frame systems keep thin and thick garments flat, offering the best printing ability.

SNAP-ON PLATENS



 **41x60cm ***
* ONE OF THE LARGEST PRINTING AREAS COMPARED TO OTHER DTG PRINTERS.

 **CUSTOM PLATENS ***
* ON DEMAND.



Want to combine old and new methods?

SCREEN & DIGITAL MIX | HYBRID DTG SYSTEM

Try mixing digital and screen printing! This method can allow you to skip pre-treatment, lower ink costs, and add special effects.

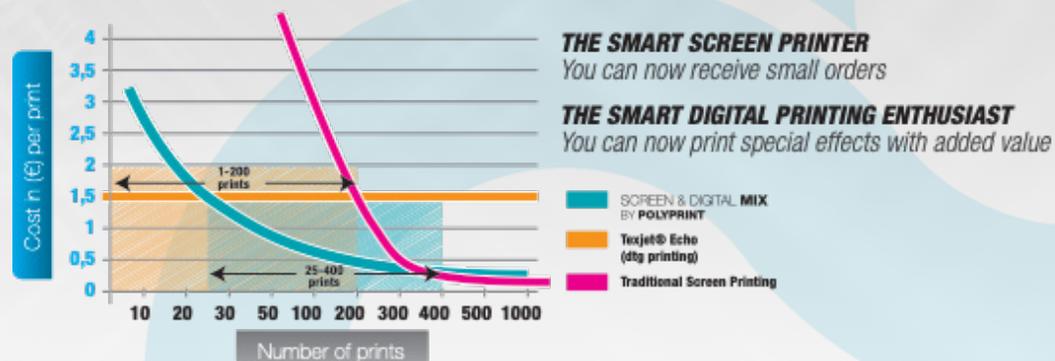
Screen printing the white under-base on dark garments costs less than doing it digitally and enables the use of shimmer or other effects. And digital printing frees your imagination as well as saving time and money with better options than multiple color screens.

IDEAL FOR: *
 * SCREEN PRINTERS WITH SMALL TO MEDIUM-VOLUME PRODUCTION RUNS.

SCREEN MAKING: *
 PRINT YOUR FILM WITH TEXJET ECHO2. DON'T NEED ADDITIONAL EQUIPMENT JUST FOR FILM PRINTING.

Who can benefit

From the first printed sample up to 400pcs, Polyprint offers an affordable solution for:



Software

More than a RIP – a whole suite! Our software offers unique **customization** and **automation features** to suit your needs and get the best out of your printer.

CADlink - Digital Factory Apparel | Polyprint Edition v10:

- ✓ **Black and color knockout:** Remove as much black or other color as you like to use less ink. It can also make your design blend into the fabric better.
- ✓ **High-detail masking:** Automatically generate your white under-base to shorten production time.
- ✓ **Colour replacement:** Swap one color for another in seconds.
- ✓ **Automation features:** Hot folders, barcodes, and printer pooling make your production easier and faster.
- ✓ **Image editing:** Tweak your designs with just a few clicks.
- ✓ **Inline printing mode:** Print white and CMYK colors in one pass and combine good printing results with less cost.
- ✓ **Software integration:** Plugins for Photoshop, Corel, and Illustrator.
- ✓ **Cost calculator:** Get a detailed cost report on your ink usage, pretreatment, labor, and material.
- ✓ Compatible with **Windows 10** and **MAC OS** (using Boot Camp or Parallels)

INCLUDED IN PRICE: *

- ✓ RIP SOFTWARE.
- ✓ FLUID MASK PLUG-IN.

* WORTH OF €1.400!

Technical Specifications

TexJet[®]
echo²



MAX PRINT AREA	41x60 cm (16x24 in)
PRINTABLE TEXTILES	Cotton, polyester, cotton/poly blends, linen, viscose, leather, canvas, denim, and more
PRINT RESOLUTION	CMYKW: 720x720, 1080x720, 1440x720, 1080x1440 dpi 2xCMYK: 720 x 360, 720 x 720 dpi
PRINT HEAD	Piezoelectric DOD, 8 channels, 180 nozzles per channel
HEAD HEIGHT	2.5 mm (0.1 in) auto-adjust head gap
MEDIA THICKNESS	18 mm (0.71 in) max
PRODUCTION SPEED * <i>* Including loading/unloading time.</i>	For design 25x20 cm (10x8 in) On Lights: 35 shirts/hr; CMYK: 720x720 dpi On Darks: 15 shirts/hr; CMYK: 720x720 dpi, W: 1440x720 dpi
INKS	CMYKW water-based textile pigment inks
INK FEED	Standard: Vacuum-sealed cartridges, 140 ml (4.73 fl oz) Optional: Pressurized refillable cartridges, 160 ml (5.41 fl oz)
CONNECTIVITY	USB 2.0, 10/100 Ethernet
OPERATING SYSTEM	Windows 10, Mac OS (using Boot Camp or Parallels)
SOFTWARE	CADlink Digital Factory Apparel Polyprint Edition v10
POWER	AC 110-230 V, 50-60 Hz, 60-80 W
OPERATING CONDITIONS	Range: 10-30°C (50-86°F) with 30-70% relative humidity Ideal: 20°C (68°F) with 55% RH
SIZE	L1280xW750xH458 mm (L50xW29xH19 in), 95 kg (209.4 lbs)

Recap

TexJet® echo² is designed to be **flexible, customizable** and capable of fulfilling the exact **needs** of different customer types, especially **start-ups** and **small businesses** ready to scale up.

Polyprint's sales, support and marketing teams will be with you every step of the way to provide **guidance** and boost your confidence regarding **TexJet® echo²** in order to **ensure that each sale will be turned into a customer success story.**

TexJet[®]
echo²

superior print quality | easy to use | increased effectiveness

DIRECT TO GARMENT PRINTER

Improvements
from Technical Perspective



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DTG PRINTERS

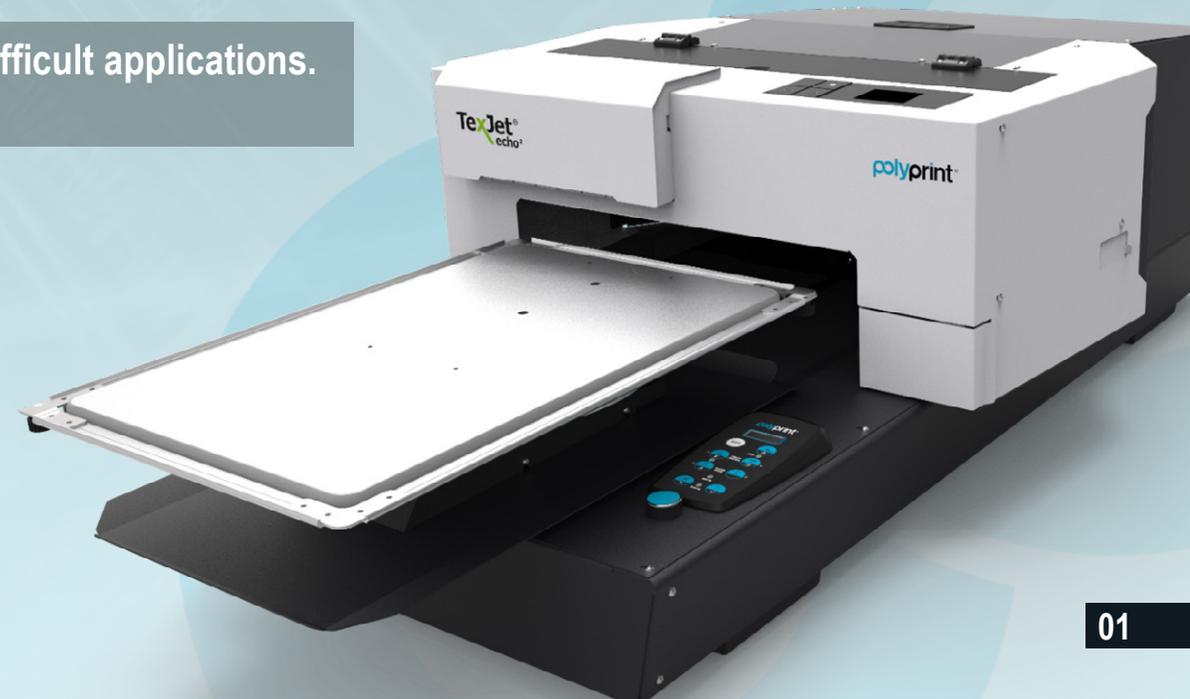
TexJet® echo² improvements from technical perspective

Print-head Gap increase from 1.8mm to 2.5mm

1. Increased gap prevents the garment fibers from coming into contact with the print-heads surface which causes clogging issues.
2. Allows precise printing on uneven surfaces such as shoes or low quality textile.

BENEFIT

Less ink flow issues related to low quality textiles and difficult applications.
Longer lifespan of print-head.



TexJet® echo² improvements from technical perspective

Sealed cartridges:

1. Due to its design, a sealed cartridge ensures the uninterrupted ink delivery to the ink system so less cleanings are required in order to maintain all the print-head nozzles.
2. Being able to maintain more nozzles firing, ensures the printing quality consistency of the outcome avoiding stripes or banding effect.
3. Prevents foreign particles from entering the ink system. Eliminates one of the biggest problems of the “open type” cartridges which causes clogging issues. Prolongs the lifespan of the print-head and other parts.
4. The ink never comes in touch with air as it is safe inside a bag.
5. Sealed cartridges are used for a limited period of time therefore statistically the possibility of hardware failure from excessive usage is eliminated.
6. Keep the ink fresh and avoid mixing old with new batches. Ensure that the ink you are using is always fresh avoiding clogging and washability issues.

BENEFIT

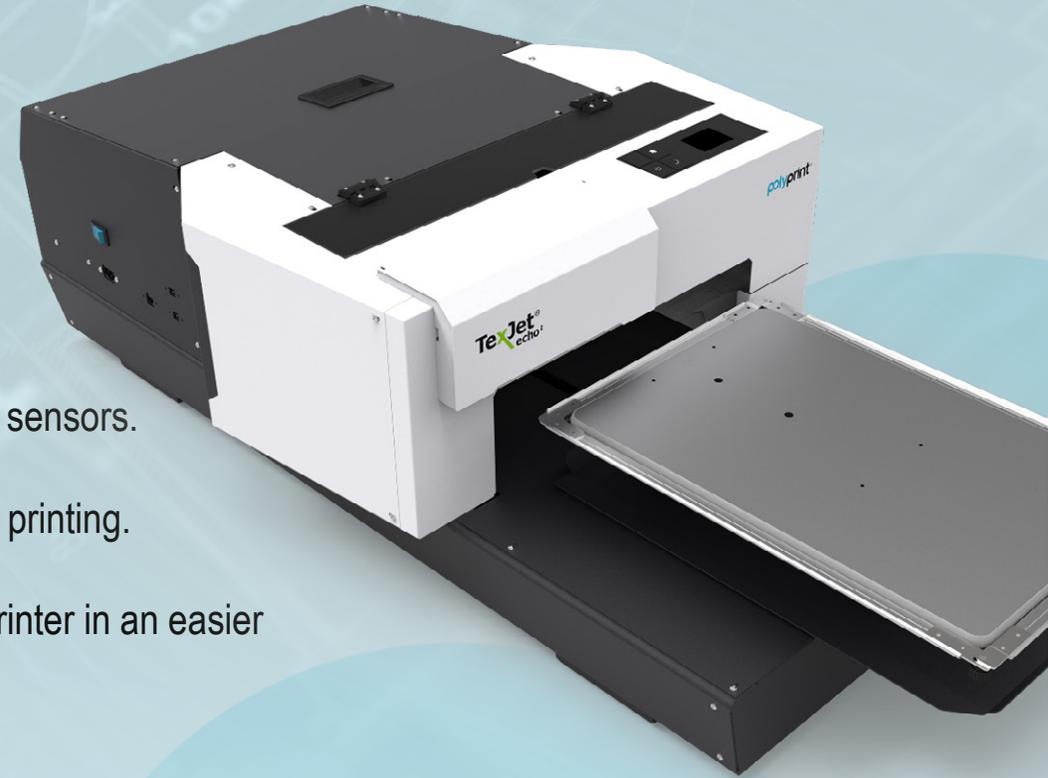
Reduction of ink flow issues caused by improper ink cartridges refilling by end user and improved overall performance leading to increased productivity.



TexJet® echo² improvements from technical perspective

New! Electronic board:

1. Eliminates error calls 1601, 122A.
2. Allows new simplified automated maintenance procedure.
3. Polyprint power supply PCB is now embedded in the new electronic board.
4. Provides detailed data logs such as total and daily print count for archive.
5. Records environmental conditions with the addition of humidity and temperature sensors.
6. Records fatal errors.
7. Provides features like automated ink cartridge reset on start up and reset during printing.
8. Gives the ability for remote diagnosis.
9. Allows to display pop-up guiding messages that help the end user operate the printer in an easier way and informs of inappropriate environmental conditions.



BENEFIT

Implementation of new elements combined with interactive menu which helps the end user operate in a more efficient way the printer. Uninterrupted production without disturbing error calls.

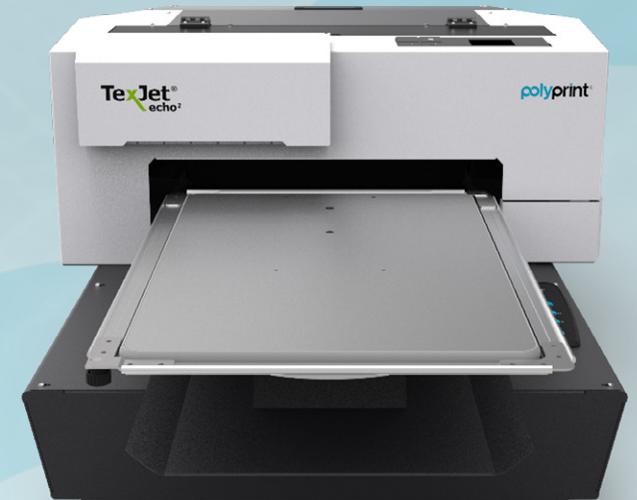
TexJet® echo² improvements from technical perspective

Linear unit y motion system controlled by a synchronous motor:

1. Eliminates error call 122C.
2. No adjustments required.
3. Solid construction with minimal maintenance requirements after approx. 60.000 prints of white t-shirts and 30.000 prints of black t-shirts.
4. Robust construction with increased stability which results to high quality and precise printing.
5. Closed unit that protects the system parts from exposure to fibers, dust and fabric.
6. Unaffected table movement due to increased weight such as 41x60cm.

BENEFIT

No special adjustments required from the engineers in order to obtain high productivity combined with great quality outcome.



TexJet® echo² improvements from technical perspective

Transfer liquid:

1. Preserves print-head and tubes of the printer in a perfect condition during storage period until the installation date.
2. Makes easier nozzles recovery on initial ink charge.

BENEFIT

Ensure successful installations no matter how long the storage period of a printer was.

OVERALL CONCLUSION

With all of the above improvements our main purpose was to eliminate disturbing error calls that caused inconvenience to your customers which also required valuable hours of engineer intervention to resolve. In addition to this, by minimizing ink flow issues, we managed to launch an “unstoppable” printer, more profitable to you and your customer due to uninterrupted production and less downtime.

