DIGITAL PRINTING IN-GLASS

dip TECH

Dip-Tech GP Series

DO MORE WITH GLASS

Dip-Tech GP Series - Configurations

	GP14	GP24	GP40	GP60
Printheads / Resolution	12PHs, Galaxy/720DPI			
Max. Throughput*	Up to 33 [sqm/h]			
Max. glass size [mm]	2400 X 1400	2400 x 2400	2400 x 4000	2400 x 6000
Min. glass size** [mm]	800 X 800			
Glass thickness*** [mm]	2-19			
Drop-Fix system	Included			
DXP 3.0 Advance****	Included			
Overall dimensions [mm]	3260 x 5095 x 1652	5460 x 5095 x 1652	9860 x 5095 x 1652	14260 x 5095 x 1652

*   Indicative capacity (depends on: number of printheads per color, wet layer thickness, glass/print size); Based on the modes of GP Series.

**   The machine can accommodate to smaller size/shaped glasses by using carrying glass or adapting plate.

***   Max. thickness depends on the total loaded glass's weight- should be defined by loading ratio of 50Kg/1sqm. 2-3mm thickness glasses can be printed by using carrying glass or adapting plate.

****   DXP Advanced includes- RIP, Pattern Generator, Color Atlas.

Dip-Tech GP14

Printheads / Resolution	12PHs, Galaxy/720DPI
Max. Throughput** [sqm/h]	Up to 33
Max. glass size [mm]	2400x1400
Min. glass size* [mm]	800x800
Glass thickness*** [mm]	2-19
Drop-Fix system	included
DXP 3.0 Advance	included

Dip-Tech GP14 – Glass applications

- Automotive, Bullet-Proof, Yachts

- Interior- Furniture

- Signage

Dip-Tech GP24

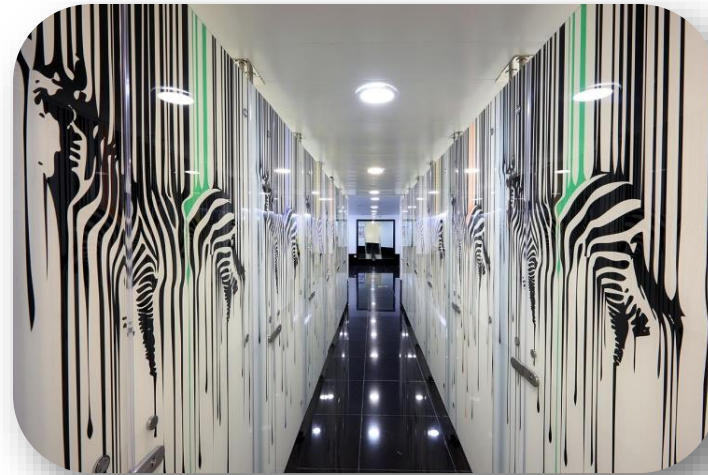| Printheads / Resolution	12PHs, Galaxy/720DPI
Max. Throughput** [sqm/h]	Up to 33
Max. glass size [mm]	2400x2400
Min. glass size* [mm]	800x800
Glass thickness*** [mm]	2-19
Drop-Fix system	included
DXP 3.0 Advance	included

GP20 – Basic:
- Max. glass size: 2400x2000 [mm]
- Throuput of up to 15 sqm/hr
- Without Drop-Fix
- DXP Basic (RIP only)

Dip-Tech GP24 – Glass application

- Exterior- Facades

- Interior- Partitions, Showers

Dip-Tech GP40

Printheads / Resolution	12PHs, Galaxy/720DPI
Max. Throughput** [sqm/h]	Up to 33
Max. glass size [mm]	2400x4000
Min. glass size* [mm]	800x800
Glass thickness*** [mm]	2-19
Drop-Fix system	included
DXP 3.0 Advance	included

GP36 – Basic:
- Max. glass size: 2400x3600 [mm]
- Throuput of up to 15 sqm/hr
- Without Drop-Fix
- DXP Basic (RIP only)

- Exterior – Large format Facades

- Exterior- Spandrels

Dip-Tech GP60

Printheads / Resolution	12PHs, Galaxy/720DPI
Max. Throughput** [sqm/h]	Up to 33
Max. glass size [mm]	2400x6000
Min. glass size* [mm]	800x800
Glass thickness*** [mm]	2-19
Drop-Fix system	included
DXP 3.0 Advance	included

- Exterior – Large format Facades

- Exterior- Spandrels

GP14

GP24

GP40

GP60

Dip-Tech GP @ Automotive / Bullet-Proof
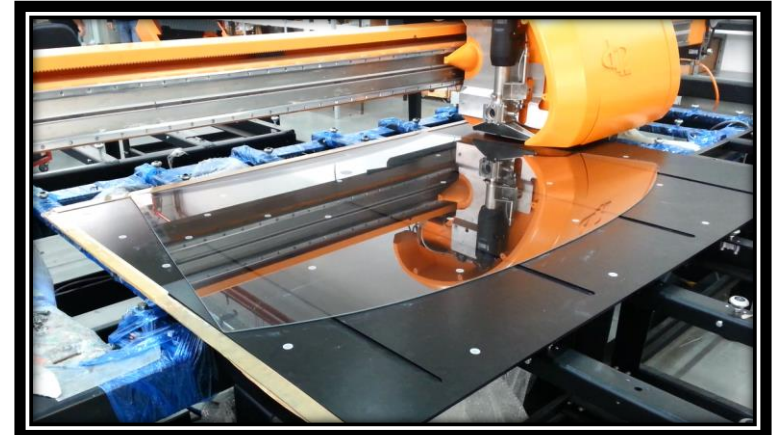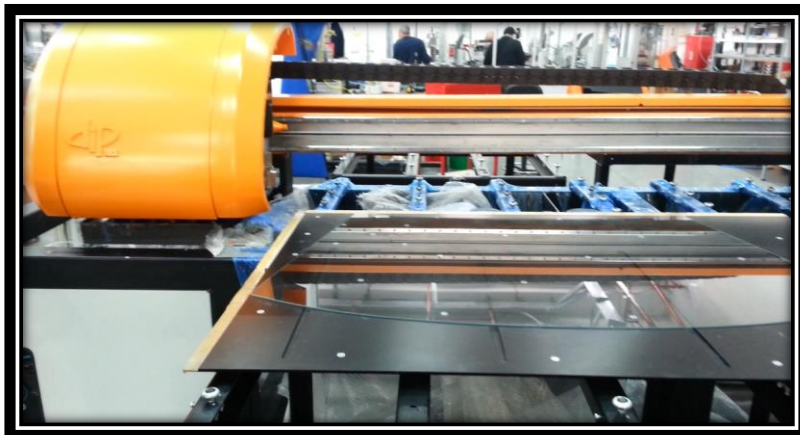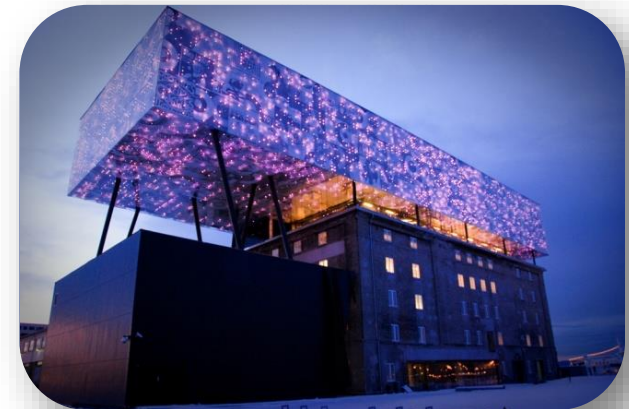
- Main features for automotive compatibility:

  - Drop-Fix system – ink fixation for quality printing

  - High resolution – 720 DPI

  - User friendly interface – easy to use and intuitive

  - Special Automotive adapting plate – for shaped glasses

  - Controlled wet layer thickness
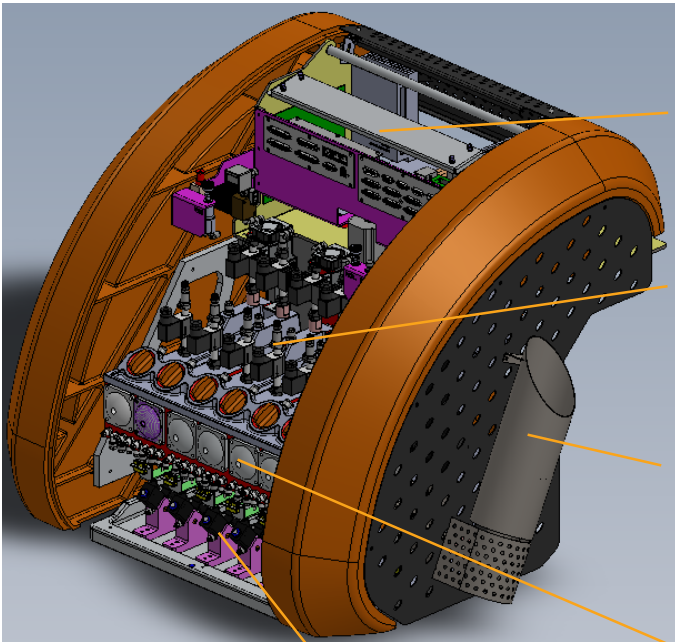
  - Multi-color option (up to 6 colors)

Dip-Tech GP Series – Throughput Modes

GP - Premium	Throughput [sqm/h]	Wet Layer microns
Super Fine	Up to 5	40μ
Fine	Up to 8	40μ
Normal	Up to 12	40μ
Fast	Up to 20	40μ
Faster	Up to 25	40μ
Extreme	Up to 33	30μ dots and lines

Dip-Tech GP machine's systems

Compact print heads carriage- designed for fast servicing

Quick release and connections

Drop-Fix system

6 horizontal ink tanks with transparent side panel for fast ink level indication and zero sedimentation
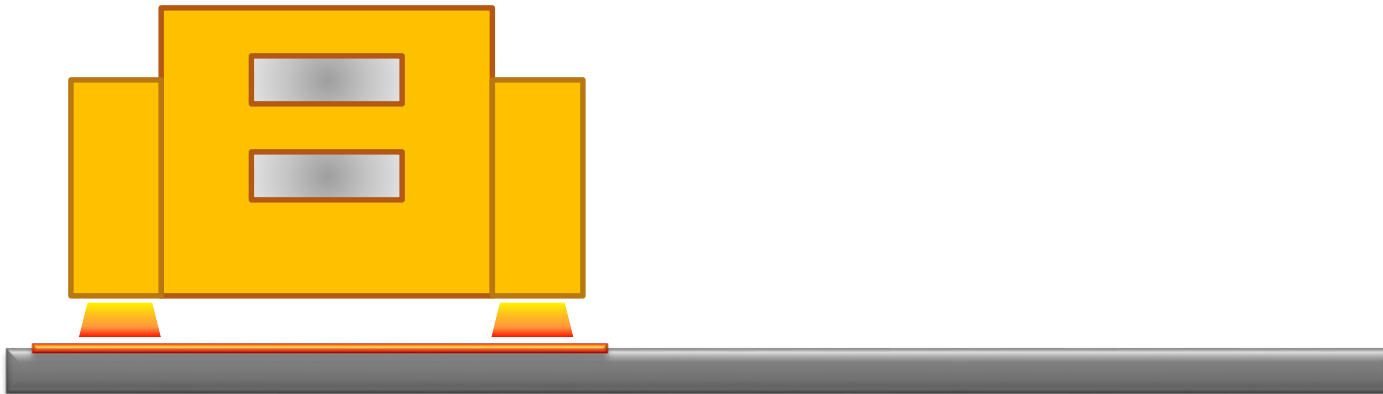
12 print heads 720 DPI

Drop-Fix System

Faster evaporation of the ink's solvent provides:
- Finer dot size - Reducing drop expansion
- Improved Jetting accuracy
- Partial drop's drying
- Upper exhaust system to evacuate the hot air.

+ Smooth color transition (Gradient)
+ Smaller dot size/thinner line thickness
+ Smaller font
+ Reduces color migration
+ Detailed features – Barcode, QR code
+ Reduce exposure to dust

✓ Air Convection system ! (and not IR as competition)
✓ Helps to remove dust of glass during printing !
✓ Adjustable temperature !
✓ Adjustable speed !
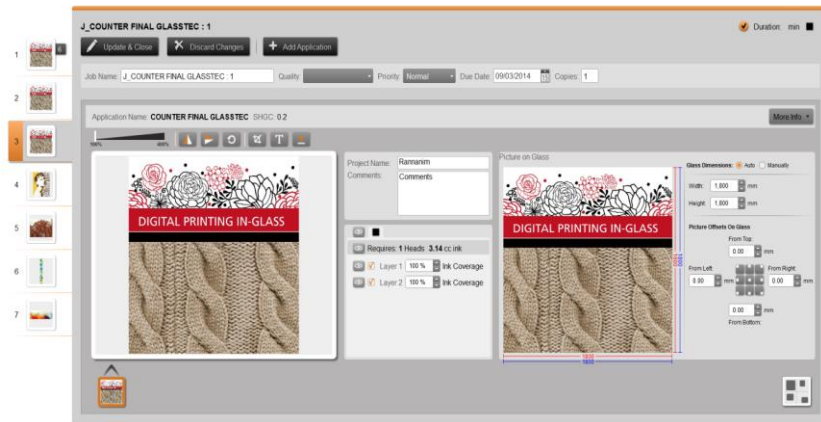→ MUCH BETTER INK FIXATION ON THE GLASS !!!
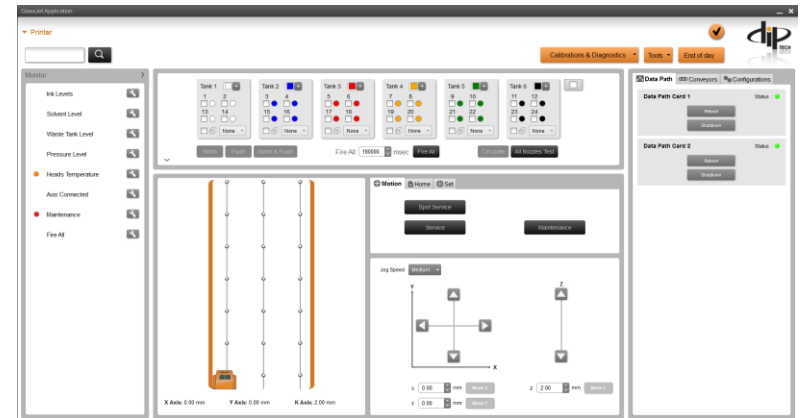→ *MUCH BETTER QUALITY ON GLASS !!!*

Workflow Software

- ✓ **Easy-To-Use Workflow!**

- ✓ **User friendly interface!**

- ✓ **Intuitive and supportive user experience!**

- ✓ **Cutting edge SW architecture!**

- ✓ Multi Languages support: Chinese, Spanish, Turkish, Russian, Portuguese
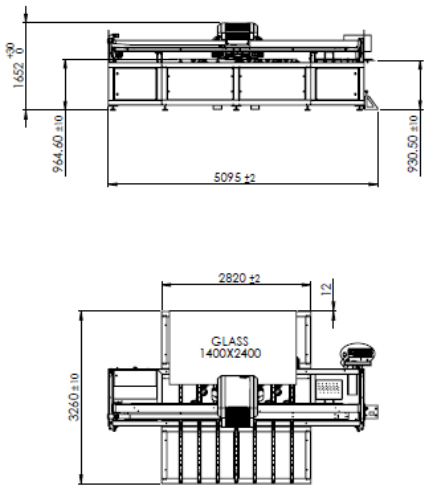

Printing queue
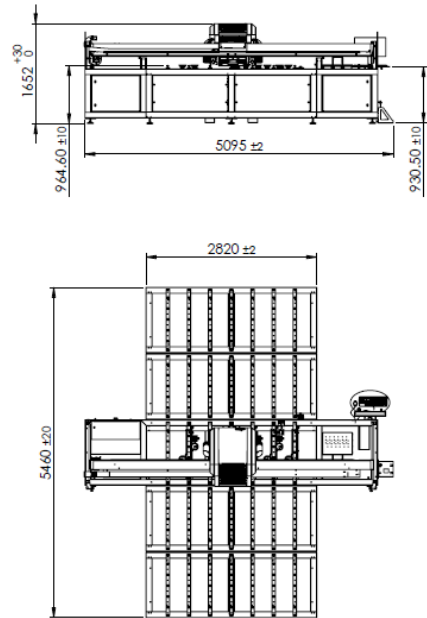

Job editing
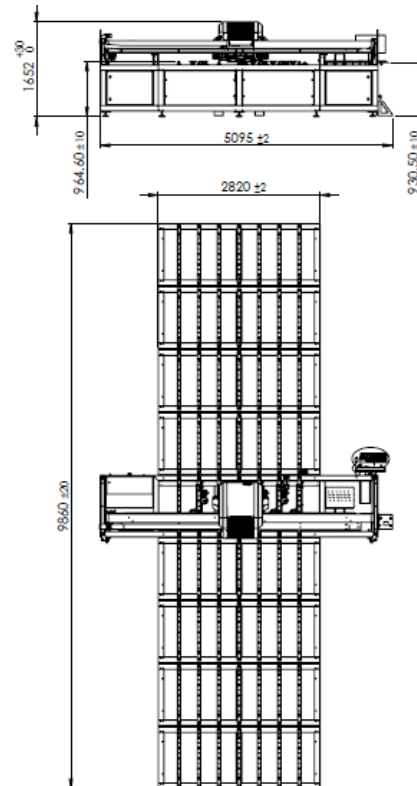

Printer maintenance
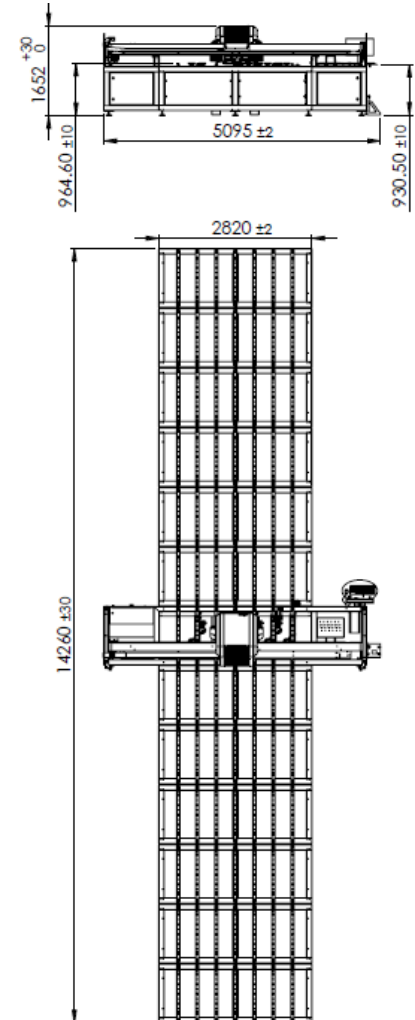
Dip-Tech GP Series – Layouts

GP14

GP24

GP40
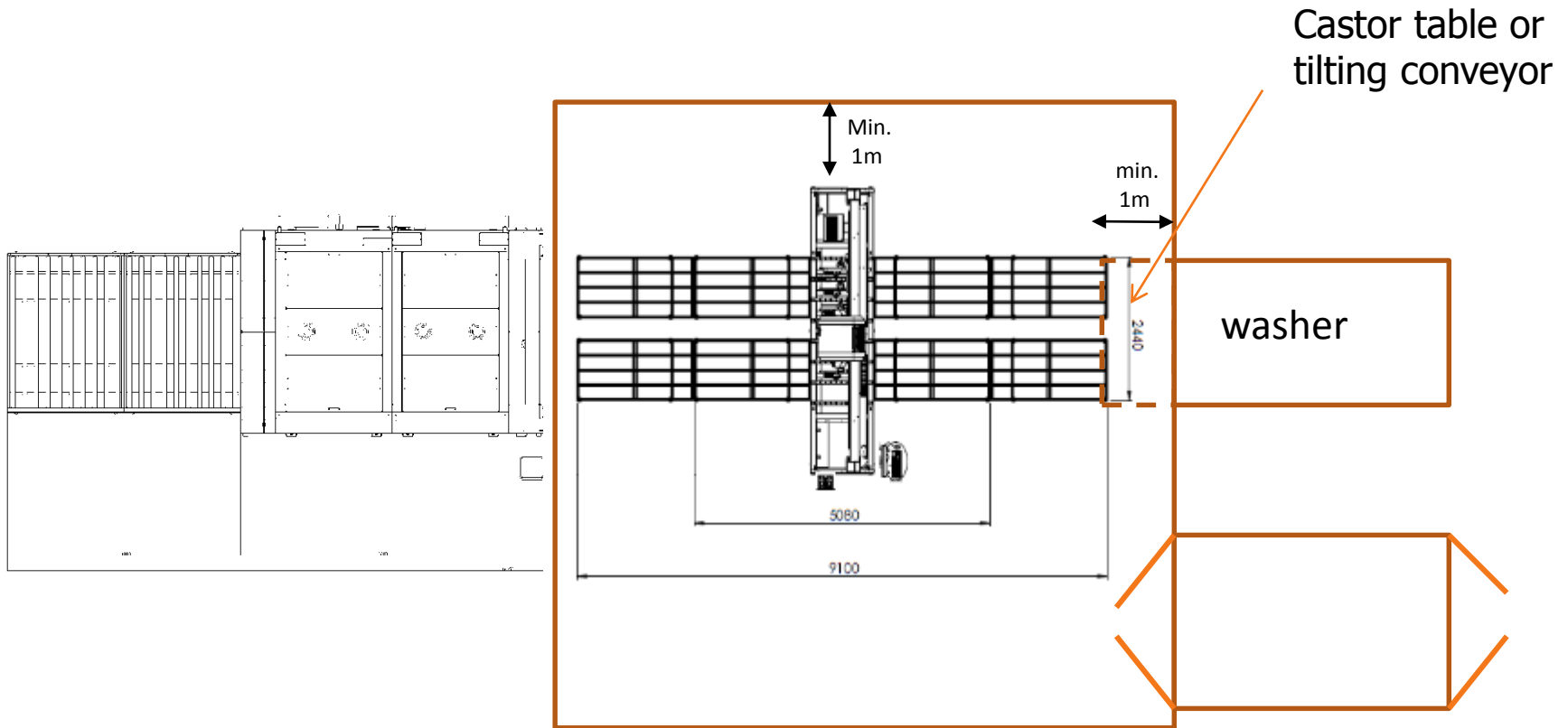
GP60

17

Example- washer & DIP Tech 40 & stand-alone dryer

Castor table or tilting conveyor

Min. 1m

min. 1m

2440

washer

5080

9100

Dip-Tech GP Series capabilities

- The GP is a **high quality digital printing** machine, and was **designed according to the vast experience** of Dip-Tech in the ceramic ink digital printing on glass !

- The GP offers **intuitive workflow and state-of-the-art User Friendly Interface** !

- The GP offers **automatic maintenance**, without any need for human intervention !

- Compatible with the **highest industry standards** !

- **SUPERIOR platform** for a wide range of **exterior and interior** architecture applications, transportation replacement, bullet proofing, and yacht glazing !

- Built for **HEAVY-DUTY** production !

Dip-Tech GP Series capabilities

- ✓ 1 address for machine & inks & software !

- ✓ The GP owner gains **the whole package of Dip-Tech**, including- technical and application support, business opportunities and leading industry know-how !

- ✓ The GP owner gets the **widest industry's color gamut** and the most vivid colors in the industry of glass ceramic ink digital printing !

Dip-Tech GP Series - Technical issues

- Time for installation?

    - **1 week**

- What factory's infrastructures needed?

    - **Electricity - 3 phase, Air-pressure – 6 Bar**

- What inks are used in the GP machine?

    - **All Dip-Tech ceramic inks series, same as offered for the AR/PRO system.**

- What is the amount of ink in each tank?

    - **750cc**

- Can the machine length be extended?

    - **Yes, with the purchase of extra roller caster tables the machine length can be extended up to 4 meter.**

- Can the machine be upgraded?

    - **Yes, you can upgrade the machine from Basic config.**

    → **Higher Throughput & Drop-Fix & DXP Advance & Larger Printing size**

- What shapes of glasses can be printed using the GP?

    - **Shaped glasses should be placed on a carrying glass or adapting plate**

DIGITAL PRINTING IN-GLASS

THANK YOU

DO MORE WITH GLASS

www.dip-tech.com