GETHRAY ECO-SOLVENT PRINTER
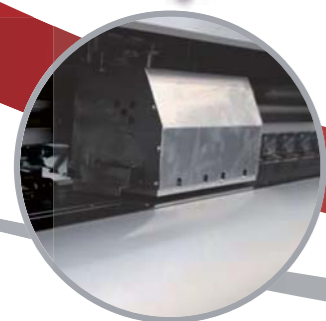
Surpass the import printer is not a dream !

AS3202

AS1802

Advanced Software Functions

High-efficient printing

- Rip while printing;
- Print selected area;
- Skip white in X and Y printing directions;
- Auto media sensor for setting print origin automatically. (3 picture positions: left, middle and right)

Printing quality enhanced

- Two feather printing modes :moist, gradient;
- Simple printhead calibration mode can be easily mastered by operators;
- Micro adjustment of printhead voltage.

Double heads speed

2pass:64m²/h   3pass:44m²/h   4pass:32m²/h
6pass:22m²/h   8pass:16m²/h   12pass:11m²/h

Human-based functions

- Options of automatically sensing or manually setting media origin;
- Adjustable step value during printing;
- Operations both in computer interface and machine control panel;
- Automatic and constant ink system cleaning function.

Ink saving function

- Options for single head cleansing or double heads cleansing;
- Options for light, medium and heavy printhead sucking.

Printhead lifespan prolonged

- All color channels can be exchanged freely so as to prolong the printhead lifespan.

Special Features

High resolution

- High mechanical precision ensures precise printing, Gethray uses high precise aluminum beam, two processes by high precision planomiller, ensures beam with high precision as international level.1mm error limit;
- Printing resolution by four gray scale printing technology, three type variation dot, dark, middle and light, the minimum is 3.5pl,10 types difference size variable dot can be printed, enabling printing of small exquisite character more clearly.

High speed

- Fire frequency 15K,running speed up to 1m/s, printing speed 15.5-21m²/h with one head, two heads with 29.2-37.4m²/h two times productivity than old machine.

More stable

- Each color has independent control circuit, precision up to 0.04V without sharing, voltage keep the same, and has temperature compensation, printhead adapt temperature automatically, allowing outstanding performance.

Technical Parameters

Type	AS1802	AS3202
Print head	Double micro piezo print head	
INK	Water-based/ Thermal transfer/ solvent	
Maximum Print Width	180cm	320cm
Resolution	540dpi、720dpi、1400dpi	
Mode	2pass、3pass、4pass、6pass、8pass、12pass	
Single head speed	32m²/h、22m²/h、16m²/h、11m²/h、8m²/h、5.5m²/h	
Double head speed	64m²/h、44m²/h、32m²/h、22m²/h、16m²/h、11m²/h	
Ink Capacity	1000cc per main tank of each color	
Tri-heaters	Pre-bed-back heater 30-65℃	
Drying System	Auto infrared heating/Drying fans	
Take up System	Standard configuration	
Environment Requirements	Temp: 15-35℃ Relative Humidity: 40%-65%	
Size (L*W*H)	3.18m*0.71m*1.35m	4.59m*0.97m*1.56m

High-Quality

—— Industry leading Printing Quality and Output Performance

Double micro piezo print head

Epson double micro piezo print head is famous for its high-speed、high-quality and high- durability printing. It can locate the ink spot and control the ink level precisely. Each color uses dual channel system(360nozzles per color) to guarantee the printing speed.

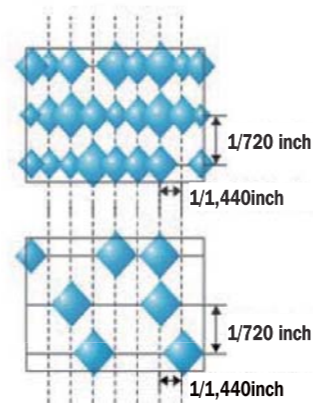## Variable Dot Printing Technology to Insure
Picture-level Printing Quality

Each ink spot has three different sizes which is adjustable to different demands of the printing quality and makes the picture have high precision and gain layering.

◆ Variable dot

1/720 inch
1/1,440inch

◆ Single dot

1/720 inch
1/1,440inch

High-precision Micro Piezo Printhead
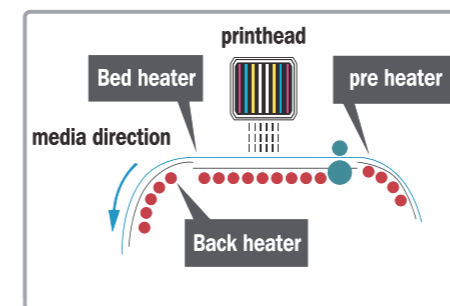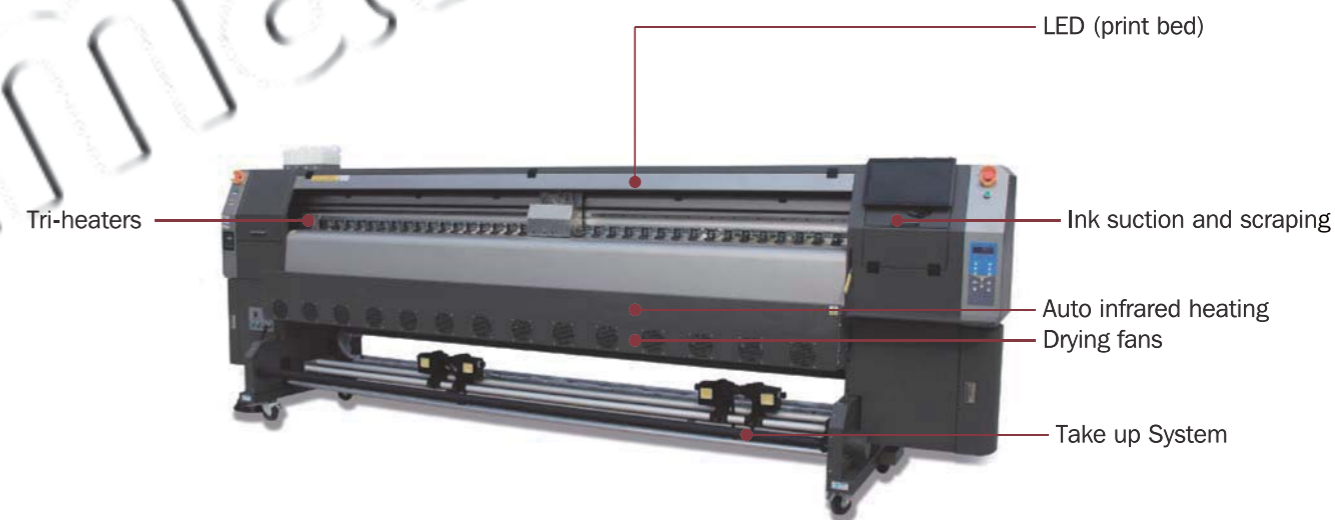
◆ Symmetrical arrangement

Each printhead has 180 nozzles*8. Easy installation and adjustments with 1440dpi high-precision pictures.

Dual Printheads, Twice Print Speed

◆ Dual printheads

Humanization Design

LED (print bed)

Tri-heaters

Ink suction and scraping

Auto infrared heating
Drying fans

Take up System

Three Individual Heaters

printhead
Bed heater   pre heater
media direction
Back heater

Pre heater: keeping the ink adhesive to the media
Bed heater: stabilizing the ink drop
Back heater: drying the ink