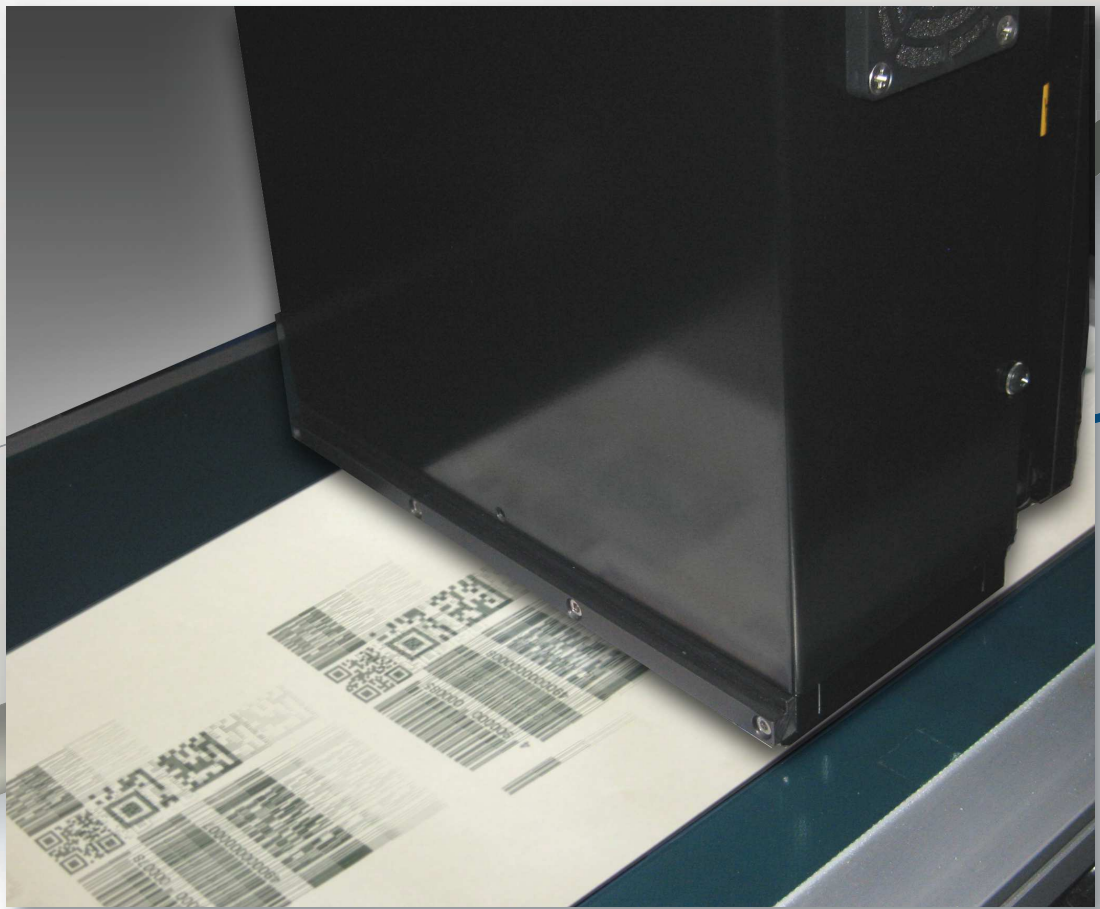




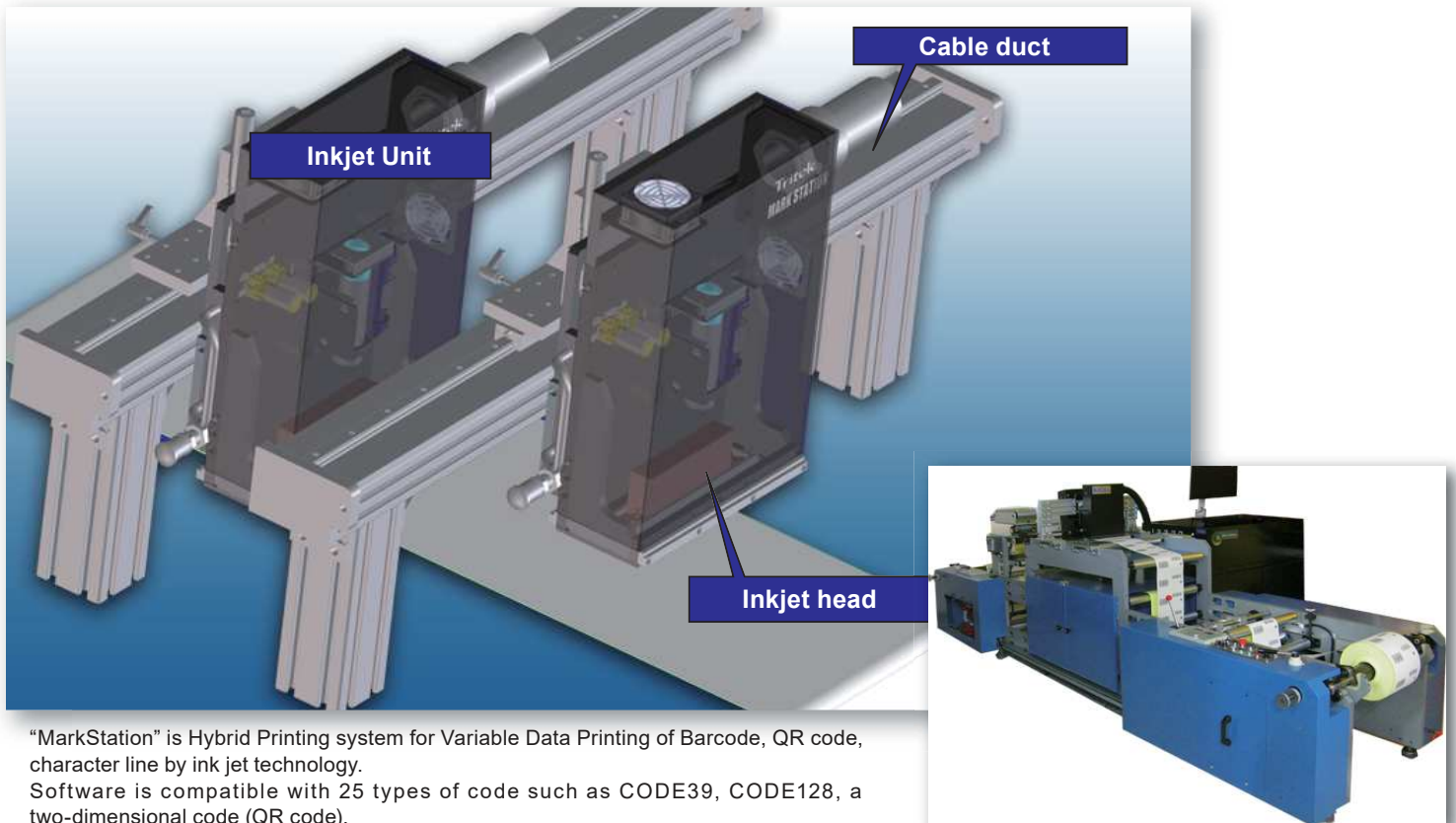
MarkStation

MarkStation:
The inkjet system for Variable Data Printing.



MarkStation Outline / Print resolution

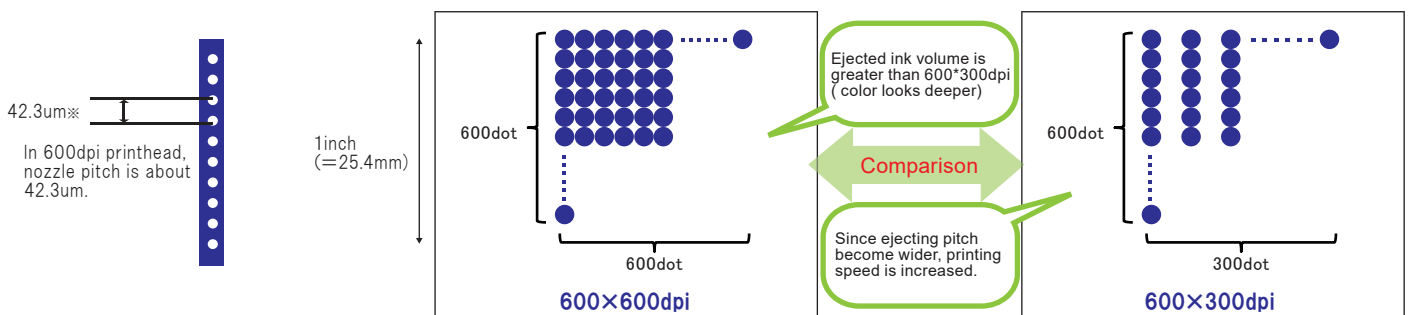
In the field of printing, there is a need for high-quality, cost reduction and efficiency. Recently, for example, "hybrid printing machine" which is combination of offset printing and inkjet printing are widely used. Since ink jet printing has the features such as "on-demand", "non-contact" and "no plate making.", it solves problems such as "reduction of environmental impact""cost reduction". This allows you to achieve both efficiency and quality up. MarkStation is also possible continuous printing of variable data.



"MarkStation" is Hybrid Printing system for Variable Data Printing of Barcode, QR code, character line by ink jet technology. Software is compatible with 25 types of code such as CODE39, CODE128, a two-dimensional code (QR code).

● Print resolution(=DPI)

DPI is a measurement of printer resolution that defines how many dots of ink are placed on the page when the image is printed. For example, the size of one dot at 600dpi*600dpi printing is 42.3um. ($25.4\text{mm} \div 600\text{dpi} = 0.0423\text{mm}$) $25.4\text{mm} \times 25.4\text{mm} (=1 \text{ inch square})$ printed is composed of dots 600×600 .



MarkStation Features

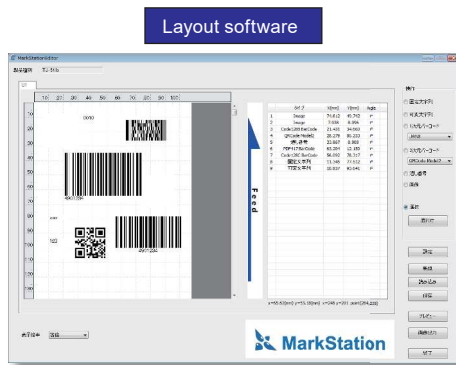
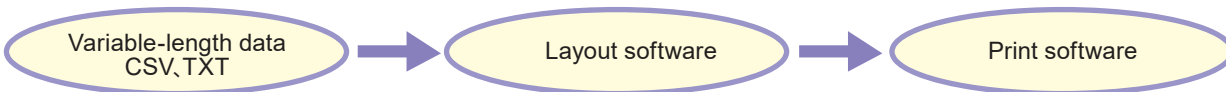
●Stability of printing operation

Original ink supply system reduces the ejection failure and provides a stable printing operation.

●Original layout software and High-speed image processing

Print-control software and layout (=Editing print position) software developed in-house provide consistent system. The original high-speed image processing technology achieves high speed performance.

<printing processes>



NOTE
Since print data is transferred at the same time while printing, it takes little time to process the image.

Software is "Print control software" and "Layout software". Their operation screen is easy to understand even for beginners.

●User-Selectable Print Mode

Trigger mode:

After reading register mark (external trigger) on the paper, the data will be printed at the specified position by synchronized with the trigger mark. In the sheet-fed printer, detect the tip of the paper, and the data will be printed at the specified position.

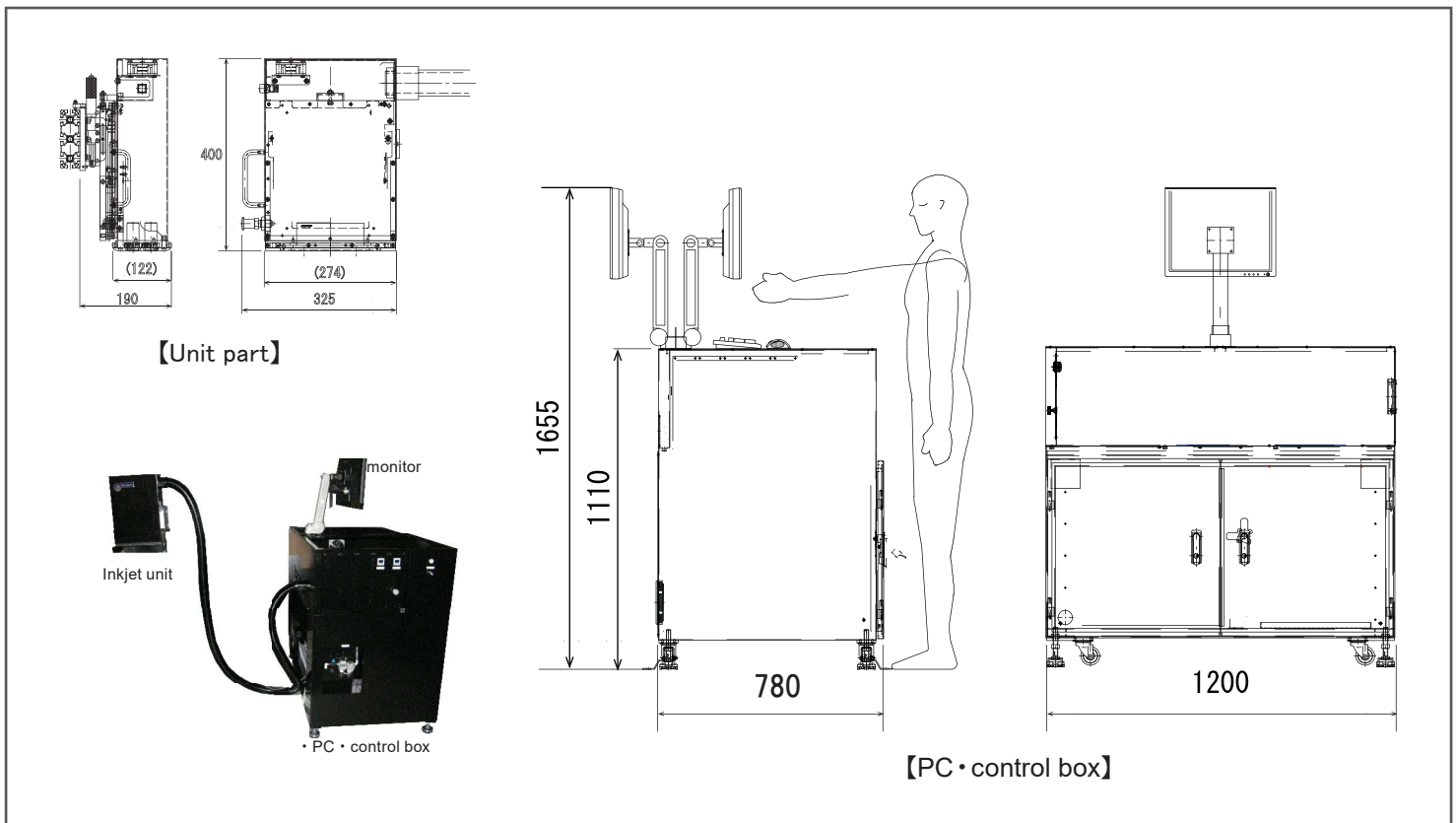


Continuous mode:

The data is printed continuously onto roll type media at regular intervals.



MarkStation Dimensional drawing / Ink



• Tritek "TKC ink"



There are two types of ink to be used in MarkStation : "UVink" and "Water based ink"

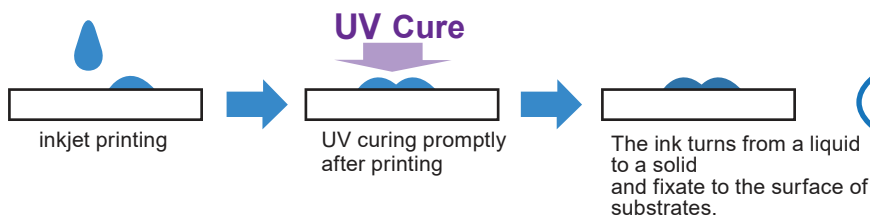
<Ink lineup>

- TKC-UAB-BK (UV ink, black only)
- TKC-WAA-BK (Water-based dye ink, black only)
- TKC-WBA-BK, TKC-WBB-BK (Water-based pigment ink, black only)

UV ink

UV ink is cured by ultraviolet light.

UV curing is low energy compared with the thermal drying. It helps to improve productivity and make the delivery shorter.

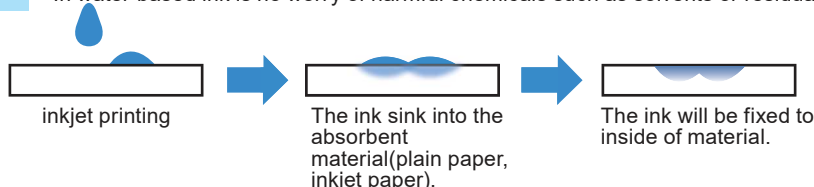


It is possible to print on a variety of substrates.

Water-based ink

Water-based ink utilizes water as a solvent.

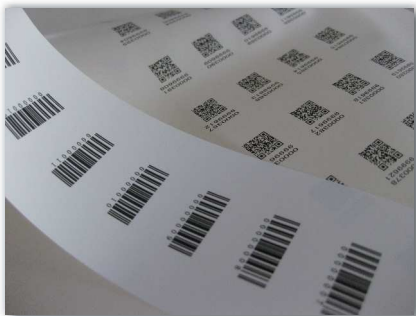
In water-based ink is no worry of harmful chemicals such as solvents or residual, you can use with confidence.



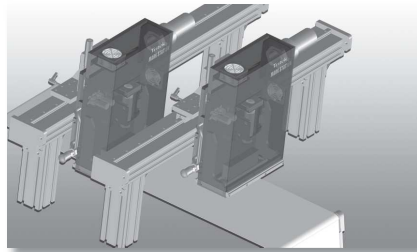
Absorbent material is needed.

MarkStation Application/Specifications/Lineup

- Variable Data Printing on various continuous business forms
- Printing bar code on label paper for industrial use
- Printing variable data on product labels for packaging
- Printing variable data on postcards, envelopes and gift-wrapping
- Printing personal data on brochures and flyers



We are proud of the high-quality and high-resolution printing that MarkStation offers.



It can be mounted to a rotary press. It is possible to print variable bar codes, QR codes and lot number etc.



【MarkStation Standard Specifications】

items	specifications
Print Method	Ink jet
Ink Type	UV ink or Water based ink
Print resolution	600dpi*600dpi or 600dpi*300dpi
System Component	①Print Unit(including a printhead) ②Manually Z-axis adjustment ③The gate structure with manually X-axis moving ④Head Driving Electronics ⑤Automatic Ink Supply System ⑥Print control software ⑦Manual capping unit ⑧Manual wiping unit ⑨Print timing triggered sensor, encoder ⑩Layout software
Options	①UV Lamp or UV LED ②Drying system
Dimensions	Electric equipment : 800x600x1500mm Slider part : Depend on the specification
power requirements	Fit to each country.

When you wish customization, please examine our "PrintStation."

【The lineup of MarkStation】

Model No.	Unit	Mode	MAX Print speed(600*300dpi)	MAX Print speed(600*600dpi)	Print Width/Unit
TJ-W511 / TJ-U511	1	Standard	Water-based ink : 150m/min UV ink : 100m/min	Water-based ink : 75m/min UV ink : 50m/min	108.25mm ※
TJ-W521 / TJ-U521	2				
TJ-W541 / TJ-U541	4				

※It is the printing width per one unit. In the case of four units, 108.25 mm width is printed at four places respectively.



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