With the withdrawal of the Videojet 1000 series of machines from the market, the models that replaced it are: 1240, 1280, 1580, 1880. These models are collectively referred to as the Simplicity series.

These models are used in different products and different scenarios. Let's talk about these models from several aspects.

1. Differences between simplicity series and old 1000 series:
1) Human-computer interaction: Simplicity series still uses the 1000 series of sprinklers and liquid systems, the biggest improvement is the use of human-computer interaction interface, eight-inch computer touch screen, simple and easy to operate. Suitable for manufacturers with high employee turnover rates, it has built-in features such as the SIMPLICiTY™ user interface, designed to reduce operator intervention in the printer and eliminate potential operational errors with a directly viewed flat panel touchscreen.

2) Ink core system reform: Simplicity adopts the replacement service module instead of replacing the entire ink core, which greatly reduces the procurement cost and reduces environmental pollution.

3）Convenience and ease of operation: The replacement of the ink core of the Videojet 1000 series machine requires professional technicians, while the latest Simmlicity series does not require professional technicians, as long as 5 minutes to replace the service module. Built-in, easy-to-understand "how-to" videos are also available to guide you through basic tasks that don't require extensive training

4）Eco-friendly: The Videojet Smart Cartridge™ system is dirt-free, waste-free, error-free, drains all ink/solvent from cartridges/cartridges, and provides extra leak protection during transport and handling. The Videojet SmartCell™ design also simplifies routine maintenance. The picture of each service module is as follows:

Service module of the 1580 machine: red

Service module of the 1880 machine: green

5) Production flexibility: Maintain production flexibility without sacrificing quality, when intermittent printing is required, whether for short-term production, seasonal production, or SKU surge, Videojet 1240 offers a range of features to ensure you are supported.

6) Reduced production costs: For manufacturers who are budget-sensitive and plan to buy a "printer that runs to failure", Videojet simplicity offers a suitable total cost of ownership solution. User-performed maintenance allows you to self-plan and install downtime to meet your production needs. Our Videojet SmartCell™ service modules only need to be replaced once a year, and operators can complete the replacement in less than 5 minutes

2. Machine application range:
The machines of the Videojet 1240 and 1280 are widely used and can be applied to beverages, food, construction, chemicals, medical treatment, etc.

Videojet 1580 machines are used in applications where production lines require further speed and where complex coding is required.

Videojet 1880 machines are mainly used for customers with special needs, such as Industry 4.0 automation, and the protection class requires IP66.。

3. Print content

1）Effects of various dot matrix printing：

Videojet 1580 print sample guide		Max. line speed for font/lines as shown	
Font/Lines	Print Sample*	Feet/min.	Meters/min.
5x5 Single	ABCDEFG 12345 5X5	914fpm	278mpm
5x7 Single	ABCDEFG 12345 5X7	800fpm	244mpm
7x9 Single	ABCDEFG 12345 7X9	356fpm	109mpm
9x12 Single	ABCDEFG 12345 9X12	256fpm	78mpm
10x16 Single	ABCDEFG 12345 10X16	194fpm	59mpm
16x24 Single	ABCDEFG 12345	96fpm	29mpm
25x34 Single	ABCDE 12	53fpm	16mpm
5x5 Twin	ABCDEFGHIJKLMNOP 1234567890 5X5 TL	256fpm	78mpm
5x7 Twin	ABCDEFGHIJKLMNOP 1234567890 5X7 TL	267fpm	82mpm
7x9 Twin	ABCDEFGHIJKLMNOP 1234567890 7X9 TL	125fpm	38mpm
9x12 Twin	ABCDEFGHIJKLMN 1234567890 9X12 TL	85fpm	26mpm

Font	Sample	Speed	Resolution
10x16 Twin	ABCDEFGHIJKLMNOPQR 1234567890 10X16 TL	53fpmm	16mpm
5x5 Three	ABCDEFGHIJKL 1234567890 5X5 TRI LINE	119fpm	36mpm
5x7 Three	ABCDEFGHIJKLMNO 1234567890 5X7 TRI LINE	90fpm	28mpm
7x9 Three	ABCDEFGHIJKL 1234567890 7X9 TRI LINE	53fpm	16mpm
5x5 Four	ABCDEFGHIJKLMNO 1234567890 4 LINES OF PRINT 5X5 QUAD LINE	85fpm	26mpm
5x7 Four	ABCDEFGHIJKLMNO 1234567890 4 LINES OF PRINT 5X7 QUAD LINE	53fpm	16mpm
5x5 Five	ABCDEFGHIJKLMNO 1234567890 5 LINES OF PRINT 5X5 FIVE LINE 60 MICRON NOZZLE	53fpm	16mpm

The contents that can be printed by the 1240 and 1280 machines are as follows:

Linear bar code (various bar codes for automatic identification. UPC-A & E; ean-8 & 13; Code 128 A, B & C; EAN-128; Code 39; I25 code),

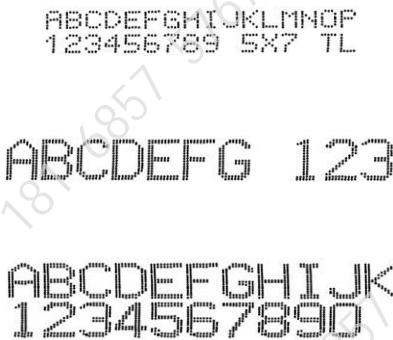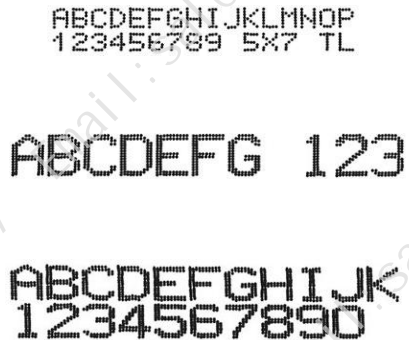QR codes (various standard 2D DataMatrix and QR codes),

Multi-stroke (highlighting words or numbers and blacking and bold encoding),
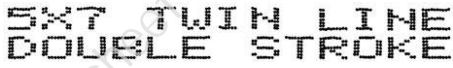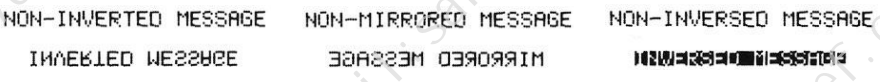
Tower Printing (stacking and auto-inversion),

Inverted/Mirrored/Inverted characters (for product lines with any orientation and products in various directions on the product line),

Unique languages,

Graphics and logos (create custom logos on a PC and upload via USB)

Videojet 1580 print sample guide		
Description	**Print Sample***	
Choice of 60 or 70 micron nozzle Options to print stAndArd sized codes or bigger, bolder codes for higher contrAst	ABCDEFGHIJKLMNOP 123456789 5X7 TL ABCDEFG 123 ABCDEFGHIJK 1234567890 **60 Micron nozzle**	ABCDEFGHIJKLMNOP 123456789 5X7 TL ABCDEFG 123 ABCDEFGHIJK 1234567890 **70 Micron nozzle**
Linear bar codes Wide range of bar codes for automatic identification. UPC-A&E;EAN-8&3; Code 128 A, B&C; EAN-128; Code 39; Interleaved 2 of 5	**Code 39 with human readable** **UPC-A**	0210819981136 **Interleaved 2 of 5**
2D Codes Wide rAnge of stAndArd 2D DAtaMAtrix And QR		

Multi-stroke Highlight words or numbers And mAke codes dArker And bolder	5X7 TWIN LINE DOUBLE STROKE
Tower print StAcked And AutomAtic reverse	TOWER TOWER TOWER TOWER
Inverted / mirrored / inversed characters AccommodAtes product lines going Any direction And products in vArious orientAtions on the production line	NON-INVERTED MESSAGE NON-MIRRORED MESSAGE NON-INVERSED MESSAGE INVERTED MESSAGE MIRRORED MESSAGE INVERSED MESSAGE
Unique-character languages	制造日期 2018 年 08 月 **Chinese** **Japanese** **Arabic**
Graphics and logos CreAte custom logos on PC And uploAd viA USB	VIDEOJET.

Here's the difference between 1240, 1280, 1580, 1880:

NO.	content	1240	1280	1580	1880
1	Maximum line speed	162 m/min (533 ft/min)	278 m/min (914 ft/min)	278 m/min (914 ft/min)	334 m/min (1,097 ft/min)
2	Protection class	IP55	IP55	IP55 (dust kit IP65 #)	IP55, IP66
3	The maximum number of print lines per printhead	5	5	5	5
4	Throat length	2 m (6.56 ft)	2 m (6.56 ft), optional 3 m (9.84 ft)	3 m (9.8 ft), optional 6 m (19.6 ft)	3 m (9.8 ft), optional 6 m (19.6 ft)
5	Message storage capacity	More than 250 complex messages	More than 250 complex messages	More than 250 complex messages	More than 250 complex messages
6	Plug-and-play printhead module	Not included	Not included	Include	Include
7	Correspondence	Ethernet and RS232 serial (requires RS232 interface kit)	Ethernet and RS232 serial (requires RS232 interface kit)	Ethernet and RS232 serial (requires RS232 interface kit)	Ethernet LAN and RS-232 Serial (requires RS232 interface kit)
8	Linear barcodes and QR codes	Include	Include	Include	Include
9	I/O ports and controls	Product inspection input, encoder input, signal light (alarm	Product inspection input, encoder input, signal light (alarm	#	#

		indicator) output, relay output, USB 2.0 (x2)	indicator) output, relay output, USB 2.0 (x2)		
10	Display Screen (User Interface)	SIMPLICiTY ™ 8" color touch screen	SIMPLICiTY ™ 8" color touch screen	SIMPLICiTY ™ 10 inch color touch screen	CLARiTY ® 264.16 mm color touch screen
11	Workflow modules	Scan2Print	Extended Speed Workflow Module Scan2Print	#	#
12	Positive pressure air/air drying kit	Optional	Optional	Optional	#

Note: Based on a single line of 10 characters per inch