Videojet LifeCycle Advantage™

VIDEOJET

Continuous Inkjet

Videojet® 1580 C

The dedicated soft-pigmented contrast printer that's as easy to maintain as a standard printer

The contrast printer that performs and behaves like a dye-based printer

The 1580 C delivers industry-first performance using soft-pigmented contrast inks, providing superior uptime and enabling you to achieve your marking and coding objectives today, and as they evolve. Innovations in hydraulics, printhead, and cartridge designs bring running time and maintenance intervals to the same level as a standard continuous inkjet (CIJ) printer. Based on the tried and trusted Videojet 1580 inkjet printer platform, the 1580 C offers similar features and design.

Avoid the normal challenges of contrast inks

The 1580 C patented cartridge design helps to reduce common faults. It alleviates ink pigments settling in the cartridge and blocking the orifice, which can result in printhead clogging.

Improved stability, quality, and maintenance time

A new design helps ensure the printhead stays clean longer, reducing production downtime and allowing for a longer time between cleanings. The smooth nozzle deck limits ink adhesion, for easier cleaning.

Treat it like a standard CIJ printer

Unlike most of its competitors, the 1580 C uses similar filters as the rest of our CIJ range, with the same cleaning cycles and preventive maintenance as a dye-based printer. Planned maintenance can take place every 5000 hours, with no need to reduce intervals because of using soft-pigmented inks.

Maintain consistent code quality and contrast over time

The 1580 C has been specifically designed to deliver codes with consistent quality and contrast that remain readable and don't fade over time.
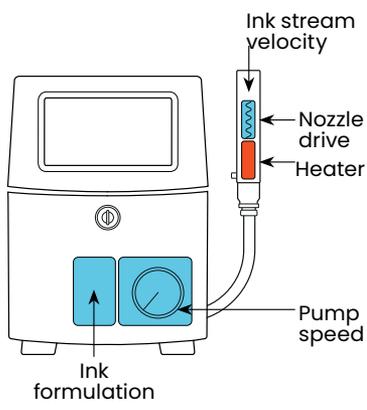
Optimized inks

With a new formula that reduces the settling rate, our soft-pigmented inks have been designed to deliver more uptime, with stable and consistent contrast over time.

Easier recirculation

The conical mixer tank is designed to reduce pigment settling. Its shape makes it easier to continuously recirculate the pigment within the ink.

Dynamic Calibration

Videojet Dynamic Calibration automatically maintains superior print quality, for optimum uptime under changing environmental conditions.

Ink stream velocity

Nozzle drive

Heater

Pump speed

Ink formulation

A contrast printer that's easy to maintain

The 1580 C is one of the simplest CIJ printers to operate and maintain. It is designed to reduce and simplify cleaning intervals, so your operators can stay focused on production.
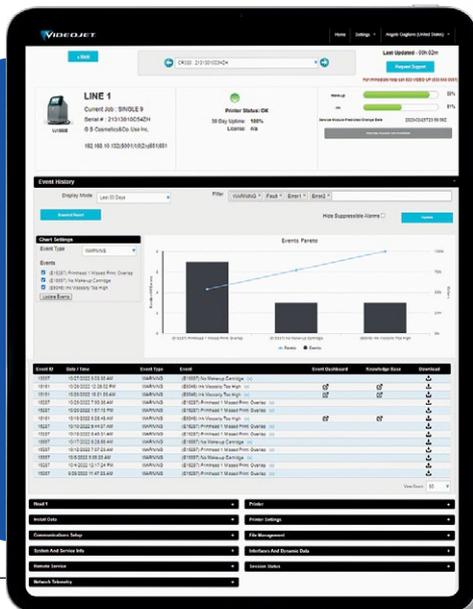

Code Assurance out of the box

Our SIMPLICiTY™ user interface guides you every step of the way, with error-proofing rules that define editable fields, permissible data types, date range restrictions and more, greatly reducing printer interactions and potential user errors.

Monitor key printer elements

With our Videojet OPTIMiZE tool, the 1580 C can assess a variety of printer parameters, helping you manage ink and make-up usage, calculate future fluids forecast, and determine power wastage.

VideojetConnect™
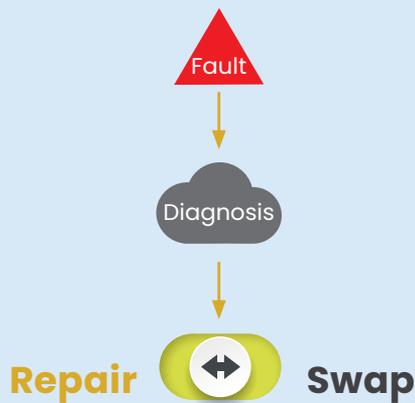
React fast with real-time visibility

Videojet VRS (Remote Service)* provides real-time notification of printer issues, allowing both Videojet experts and your technicians to remotely diagnose a problem – and deal with it sooner.

Subject to availability in your country
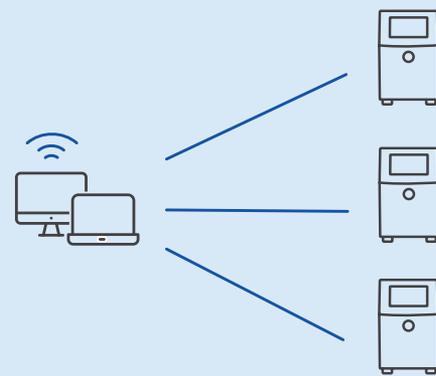
Future-proofed for ndustry 4.0

Designed to deliver all the connectivity you need, the 1580 C is ready to meet modern printing challenges, and whatever the future needs of Industry 4.0 are likely to demand. Built-in Wi-Fi and cellular connections* provide an easy and secure way to wirelessly communicate, while webserver capability and automated troubleshooting make remote operation simple.

Subject to availability in your country.

Recover from faults quickly

Videojet Rapid Recover™ uses advanced automated troubleshooting to quickly determine if a printer failure can be easily repaired or if a spare printer needs to be deployed, enabling fast line recovery.

Remote interface control
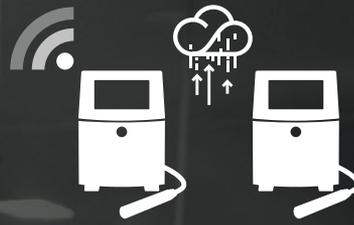
Webserver capability allows customers to access printers via supported web browsers on host computers. Up to five web server sessions are allowed for each printer.

Connectivity Ready

Videojet printers offer a suite of connectivity solutions that can help minimize IT workload, reduce the cost required to connect equipment to your network, and improve the mobility of your printer.

Connect to your network and the cloud

The 1580 C's integrated Wi-Fi antenna allows the printer to connect* to an internal network with no need for LAN cables or hard wiring, making the printer more mobile. Cellular connectivity gives your printer direct access to the Videojet cloud without involvement from IT.

Subject to availability in your country

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Your pathway to productivity

Leverage advanced analytics, remote connectivity, and the largest service footprint in the industry, with Videojet Lifecycle Advantage™.

Videojet LifeCycle Advantage™

Improve

the capability and utilization of your printer over time

• Predictive analytics and cloud-based reporting
• Advanced performance monitoring to guide continuous improvement
• One-on-one consultation services for optimization

Maintain

the optimal performance of your printer

• OPTIMiZE™ diagnostics suite
• On-site preventative maintenance
• Remote alerts to monitor printer status
• On-demand remote and on-site training

Recover

from faults rapidly and maintain your productivity

• Rapid Recover™ automated troubleshooting
• Largest service footprint with unmatched response time
• Remote Videojet CIJ experts available on-demand

Our solutions help you meet your production and sustainability objectives

The Videojet 1580 C's printhead and ink cartridges have been designed to minimize ink clogging and build-up, reducing your cleaning needs. Compared to other contrast printers, less fluid will be wasted while cleaning the 1580 C.

The Videojet 1580 C also utilizes our innovative single-service module, which reduces the frequency of service interventions and the amount of replacement parts required for the printer, while also limiting the waste of hazardous material.

BRONZE | Top 35%
ecovadis
Sustainability Rating
NOV 2025

International Organization for Standardization
ISO
14001

Videojet 1580 C print sample guide			Max. line speed for font/lines as shown	
Font/Lines	Print Sample		Feet/min.	Meters/min.
5x5 Single	ABCDEFG 12345 5X5		869	265
4x7 Single	ABCDEFG 12345 4X7		800	244
5x7 Single	ABCDEFG 12345 5X7		667	203
7x9 Single	ABCDEFG 12345 7X9		533	163
9x12 Single	ABCDEFG 12345 9X12		267	81
10x16 Single	ABCDEFG 12345 10X16		254	77
16x24 Single	ABCDEFG 12345		80	24
25x34 Single	ABCDE 1234		46	14
5x5 Twin	ABCDEFGHIJKLMNOP 1234567890 5X5TL		314	96
5x7 Twin	ABCDEFGHIJKLMNOP 1234567890 5X7TL		333	102
4x7 Twin	ABCDEFGHIJKLMNOP 1234567890 4X7TL		400	122
7x9 Twin	ABCDEFGHIJKLMNOP 1234567890 7X9TL		190	58
9x12 Twin	ABCDEFGHIJKLMN 1234567890 9X12TL		71	22
10x16 Twin	ABCDEFGHIJKLMNOPQR 1234567890 10X16TL		46	14
5x5 Three	ABCDEFGHIJKL 1234567890 5X5 TRI LINE		105	32
4x7 Three	ABCDEFGHIJKL 1234567890 4X7 TRI LINE		221	67
5x7 Three	ABCDEFGHIJKL 1234567890 5X7 TRI LINE		184	56
7x9 Three	ABCDEFGHIJKL 1234567890 7X9 TRI LINE		101	31
5x5 Four	ABCDEFGHIJKLMNO 1234567890 4 LINES OF PRINT 5X5 QUAD LINE		71	22
4x7 Four	ABCDEFGHIJKLMNO 1234567890 4 LINES OF PRINT 4X7 QUAD LINE		56	17
5x7 Four	ABCDEFGHIJKLMNO 1234567890 4 LINES OF PRINT 5X7 QUAD LINE		46	14
5x5 Five	ABCDEFGHIJKLMNO 1234567890 5 LINES OF PRINT 5X5 FIVE LINE 70 MICRON NOZZLE		46	14

The print sample codes shown are for illustrative purposes only. Actual coding is dependent on environment, application, raster, and substrate. Please ask your local Videojet representative to see print samples in your specific application.

Videojet® 1580 C
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Line speed capability
Can print 1 to 5 lines of print at speeds of up to 889fpm (271mpm)
(10 characters per inch, single line of print)

Font matrix configuration
Single-line: 5x5, 5x7, 7x9, 9x12, 10x16, 16x24, 25x34
Twin-line: 5x5, 5x7, 7x9, 9x12, 10x16
Tri-line: 5x5, 5x7, 7x9
Quad-line: 5x5, 5x7
Five-line: 5x5

Linear bar codes
UPC A&E; EAN 8 & 13; Code 128 A, B & C; UCC/EAN 128;
Code 39; Interleaved 2 of 5

QR codes
21x21, 25x25, 29x29, 33x33
Error correction mode L, M, Q or H

DataMatrix codes
10x10, 12x12, 14x14, 16x16, 8x18, 18x18, 20x20, 22x22, 24x24, 12x26,
26x26, 8x32, 32x32, 12x36, 16x36, 16x48

Nominal character height
Selectable from 0.079" (2mm) to 0.40" (10mm), depending on font

Throw distance
Optimal: 0.472" (12mm)
Range: 0.197" (5mm) to 0.591" (15mm)

User interface
10.4" high-response TFT-LCD touch screen
WYSIWYG touch to edit message editing

Custom logo/graphics
Can be created via optional CLARiSOFT™ software
(CLARiSOFT Package Coding Design software required for advanced functionality)

Character sets
Chinese, Russian/Bulgarian, Turkish/Scandinavian, Romanian, Greek,
Arabic, Japanese/Kanji, Hebrew, Korean, East European and European/
American

Languages and interface options
English, Arabic, Bulgarian, Czech, Danish, Dutch, Finnish, French, German,
Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish,
Portuguese, Russian, Serbian, Simple Chinese, Spanish, Swedish, Thai,
Traditional Chinese, Turkish and Vietnamese

Input/output
Product detect input; Encoder input; Beacon (Alarm light) output;
Relay output; USB 2.0 (2x); Ethernet LAN™; Built-in Wi-Fi

Message storage
More than 250 complex messages

Environmental protection (no plant air required)
IP55 standard, stainless steel cabinet
IP65 protected electronics (optional with dust protection kit)

Printhead
Heated printhead
CleanFlow™ including positive air, no plant air required (optional)
Diameter: 1.63" (41.3mm)
Length: 10.62" (269.8mm)

Printhead umbilical
Ultra flexible
Length: 9.84' (3m) optional 19.69' (6m)
Diameter: 0.91" (23mm)
Bend radius: 4.0" (101.6mm)

Fluids containers
Ink Smart Cartridge™ 0.740 qt. (700ml)
Make-up Smart Cartridge™ 0.793 qt. (750ml)

Temperature/humidity range
32°F to 122°F (0°C to 50°C)
0% to 90% RH non-condensing
With selected inks; actual installation may require additional hardware based on production environment conditions

Electrical requirements
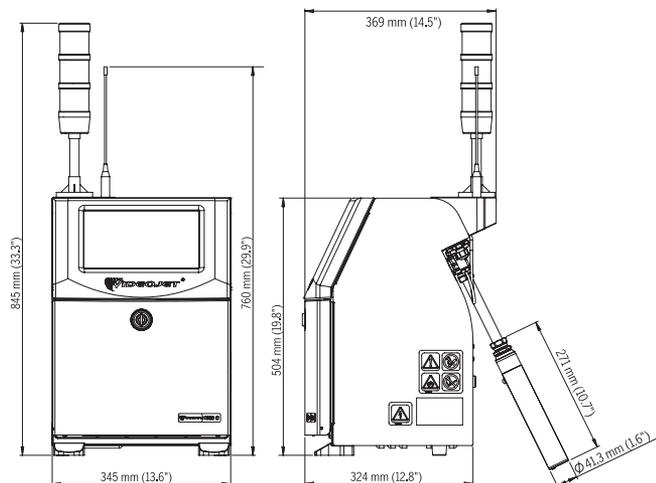Nominal supply power 100-240 VAC at 50/60 Hz, 70W

Approximate weight
Unpacked and dry: 46.3lbs. (21kg)

Options
Dust protection kit with CleanFlow™ technology
Dry air kit for high humidity (requires plant air)
Cellular communication
RS232 connector kit (USB to Serial DIN-5 male adapter)
SIMPLiCiTY™ Workflow Modules
Wide range of accessories
90 degree printhead

Dimensions

C E R T I F I E D
ISO 9001
DOCUMENTED QUALITY
CE c(UL)us

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