Tomco Automatic Machinery Co., Ltd.

Continuous Inkjet

Videojet® 1880 C

Easy to maintain and operate high-contrast printer with maximized reliability and uptime

High contrast coding without the high maintenance

The **Videojet 1880 C** continuous inkjet (CIJ) printer was designed to change the constant cleaning, frequent service calls, or unpredictable downtime that traditionally comes with pigmented inkjet printers. This is contrast printing re-engineered for modern production, helping you achieve visibility, reliability, and simplicity without compromise.

Built specifically for hard and soft pigmented CIJ applications

The 1880 C utilizes pigmented inks to deliver bold, high-contrast codes while offering the **operation and maintenance like a dye-based printer**. The result is less operator intervention, more uptime, and confidence in your operation.

Reduce maintenance demands without sacrificing contrast quality

Contrast printers are often chosen for highly visible codes but are also avoided because of maintenance issues they can bring. The Videojet 1880 C is engineered to minimize routine intervention, helping your team spend less time cleaning printers and more time running your production.

- More predictable day-to-day operation from an ink system designed to reduce sedimentation and pigment buildup
- Fewer planned maintenance stops with a long-life ink tank without annual replacement
- Reduced maintenance frequency with service module life of one year
- Lower service costs over the life of the printer from clean startup routines that reduce manual cleaning even after extended shutdowns

Standard code (left) and optional bold font capability (right) for even more visibility

Maintenance made simple

The 1880 C inkjet printer is designed for quick and easy parts replacement on a predictable schedule. Simplify routine maintenance with color-coded, easy-to-replace Videojet SmartCell™ components that can be changed within minutes.

Reliable uptime you can count on

Unplanned downtime is one of the biggest risks in high contrast applications. The Videojet 1880 C is designed to stay running in demanding environments by addressing the core reliability challenges of earlier pigmented CIJ systems. Consistent operation from more stable pressure control and phasing.

- Consistent pigment density from an updated ink circulation and mixing process
- Automatic recovery routines support restart after up to four weeks of shutdown without manual intervention
- Improvement in uptime performance compared to previous contrast printer models

Upgrade your contrast printing with confidence

If you rely on older hard pigmented CIJ systems, you may already be dealing with downtime, service costs, and operational complexity. The Videojet 1880 C uses modern design to bring contrast printing into the SIMPLICiTY™ era.

- Upgrade from older pigmented inkjet printers with minimal disruption, using the same Videojet platform for faster training, easier operation, and room to grow.
- Addresses known reliability and maintenance limitations of legacy contrast models for higher uptime
- Lower total cost of ownership over time with operation and maintenance of dye-based printer in a hard pigment option

High-contrast performance with proven, easy-to-use operation

High-contrast codes without compromise

Whether you're coding on dark substrates, colored packaging, or challenging materials, the Videojet 1880 C delivers the contrast you need without slowing production or requiring special handling.

- Supports clear, readable codes with both hard and soft pigmented inks for a wide range of contrast applications
- Ink system is based on proven Videojet inkjet technology
- Maintains consistent print quality without constant ink agitation or operator attention
- No trade off between contrast and throughput with line speeds comparable to standard Videojet dye-based CIJ printers

Simple operation for every shift

Complex printers can increase the risk of operator error, training gaps, and service calls. The Videojet 1880 C uses the industry-proven **SIMPLICiTY**™ user interface that is consistent with other Videojet products so operators can get up to speed quickly and avoid common mistakes.

- Less operator training required from a consistent touchscreen interface
- Fewer errors that lead to downtime with guided workflows built into the interface
- Visual management that prioritizes critical alerts and minimizes unnecessary warnings

Color that delivers clarity on the line with high-contrast inks built to stand out

Make your codes stand out—with color engineered for your application.

The Videojet 1880 C is supported by a portfolio of pigmented inks developed to perform across a wide range of substrates, packaging types, and production environments. From bright whites on dark materials to yellow, blue, and red inks that enhance visibility, each formulation is designed to deliver consistent contrast, reliable adhesion, and stable performance throughout production.

Different applications demand different solutions. That's why these inks are developed to meet specific challenges—whether you're coding on flexible films, plastics, glass, metals, or coated surfaces. The result is clear, easy-to-read codes that help improve traceability, support quality checks, and reduce the risk of misreads or rework.

With color that performs as expected, shift after shift, you can code with confidence without adding complexity to your operation.

Digital by design: Smarter printing starts here

Communication ready for the future

The **Videojet 1880 C** is designed to make printing easier, smarter, and more connected so you can keep production moving with confidence.

- On-demand remote technical support when you need extra help
- Advanced automated troubleshooting to identify and address issues faster
- Integrated Wi-Fi and cellular* connectivity for seamless communication and data access
- Production data available from the printer to help improve the entire process

**Subject to availability in your region*

Cellular option with antenna

Streamline printing operations

The **Videojet SIMPLICiTY™** user interface delivers code assurance out of the box, with error-proofing rules that define editable fields, permissible data types, date range restrictions, and more.

SIMPLICiTY™ features

- Intuitive, tablet-inspired touchscreen display helps reduce printer interactions and potential user errors
- Customizable interface so your operators only see the options they need
- Intelligent message creation functionality further reduces opportunity for error

Reduce the risk of unplanned printer downtime

Videojet MAXIMiZE™ diagnostic tools help you stay one step ahead of printer issues. It continuously checks printer health, identifies patterns that could lead to a problem, and lets you know before it impacts your line. The printer provides on screen alerts, and the built-in videos guide you through simple maintenance tasks.

MAXIMiZE™ insights

- Monitor printer health to help avoid unplanned line stops or poor print quality
- Get alerts when key parameters move outside normal operating ranges
- Follow step-by-step, on screen guidance to complete proactive maintenance
- Reduce total cost of ownership with performance-boosting insights

Videojet VRS (Remote Service)*

Drive productivity and uptime with the power of data and connectivity

Videojet Remote Service helps reduce unexpected downtime by delivering timely alerts, prompting preventive maintenance actions. Boost productivity with VRS through its predictive and proactive support capabilities for the lifetime of your printing system. Using VRS allows for remote software updates, ensuring that you always benefit from the latest technology.

- **VRS allows for 24-hour remote visibility of your production**
- **Proactively plan maintenance to save time**
- **Improve OEE and uptime**

**Subject to availability in your region*

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Line speed capability
Can print 1 to 5 lines of print at speeds of up to 1,097fpm (334mpm) (10 characters per inch, single line of print)

Font matrix configuration
Single-line: 4x5, 5x5, 4x7, 5x7, 7x9, 9x12, 10x16, 16x24, 25x34
Twin-line: 4x5, 5x5, 4x7, 5x7, 7x9, 9x12, 10x16
Tri-line: 4x5, 5x5, 4x7, 5x7, 7x9
Quad-line: 4x5, 5x5, 4x7, 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; GS1

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)
Printhead throw distance may be increased to produce taller codes, however, characters will be printed at a lower drop resolution.

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, Thai, Vietnamese

Languages and interface options
English, Arabic, Bulgarian, Czech, Danish, Dutch, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Simple Chinese, Slovakian, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Ukrainian, 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, no plant air required, stainless steel cabinet
IP66 protected electronics optional

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)

Make-up consumption
As low as 5ml per hour (MEK at 20°C)

Fluids containers
Ink SmartCartridges™:
Soft pigment inks - 700ml; hard pigment inks - 600ml
Make-up SmartCartridges™:
Choice of 750ml or 1,000ml for either pigment

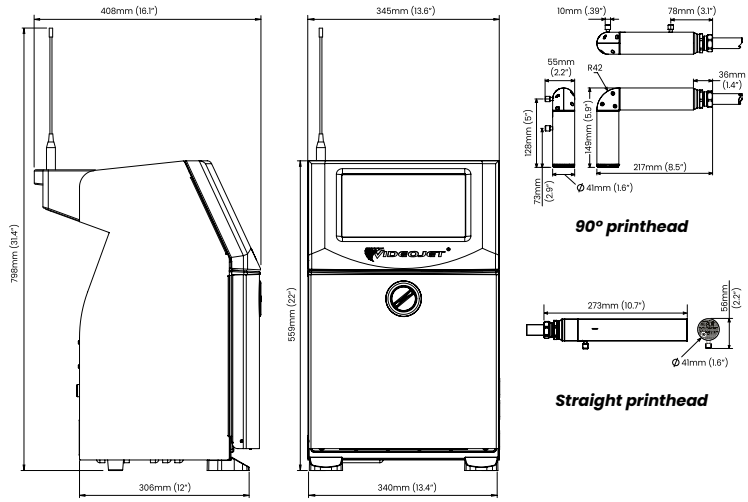
Temperature/humidity range
5°C to 45°C (41°F to 113°F)
0% to 90% RH non-condensing
With selected inks; actual installation may require additional hardware based on production environment conditions

Electrical requirements
Nominal supply power 100-120 / 200-240 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

Dimensions



Cellular option shown; non-cellular does not include antenna

CERTIFIED ISO 9001 DOCUMENTED QUALITY

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