VELOCITY PLOTTERS & CUTTERS

DATA SHEET

Vector 1800

Two Head Plotter

The Velocity Vector Two is a dual-head industrial marker plotter designed for garment, textile, and pattern production.

72 in
MAX PLOTTING WIDTH

96 yd²/hr
MAX PLOTTING SPEED

2 heads
DUAL-HEAD CONFIGURATION

300 dpi
RESOLUTION

TECHNICAL SPECIFICATIONS

CONFIGURATION Dual-head marker plotter	OPERATION AND DISPLAY Three-key operation panel, self-check, LED status display	PLOTTER PORT USB and LAN (Ethernet)
PLOTTING TECHNOLOGY InkJet Plotting	TYPE OF INK HP #45 black ink cartridges	SOFTWARE PLATFORM Windows (98, 2000, NT, XP, 7, 8, 10, 11), Mac (via Parallels)
CONTROL SYSTEM Closed-loop servo control system in both length and width directions	CONTINUOUS RUN CAPACITY Paper rolls up to 500 yards; take-up bar collects up to 200 yards continuously; optional floor plotting for 5 to 10 yard runs	POWER 110 - 220 V adapted
DPI 300 dpi	PLOTTER CONTROL SOFTWARE Velocity Control Center	PLOTTER DIMENSION 106" x 21" x 40"
MAX PLOTTING WIDTH 72 inches	PAPER TYPE Plotter paper	NET WEIGHT 181 lb
PLOTTING SPEED Up to 96 yd²/hr (80 m²/hr)	PLOTTER OUTPUT HPGL / HPG / PLT	ENVIRONMENT Temperature 10°C–30°C, Humidity RH 15–85% (No condensation)

PAPER SPECIFICATIONS

Recommended paper

RECOMMENDED PAPER	Plotter paper
RECOMMENDED PAPER WIDTHS	60", 63", 66", 72"
PAPER WEIGHT	35# basis weight
PAPER CORE	3-inch tube

KEY FEATURES

High-speed dual-head printing

Achieve printing speeds of up to 96 square yards per hour with the Vector Two's dual-head configuration, helping production teams increase marker output for demanding garment and textile workflows.

Long-run marker production

The integrated take-up bar system collects printed markers during extended production runs, supporting continuous marker plotting and reducing the need for frequent manual handling.

SOFTWARE & CAD COMPATIBILITY

Compatible CAD software

Gerber AccuMark · Optitex · Audaces · TukaTech · PAD System · StyleCAD · Lectra · Vetigraph · Crea

SUPPORTED FILE FORMATS

.PLT **.HPG** **.HPGL**

Any CAD or pattern-making software may be used, provided that it can export files in .PLT, .HPG, or .HPGL format, which are compatible with the plotter for printing.

> If your software cannot export those formats and can only export DXF or DWG files, Velocity Plotters & Cutters offers a conversion program that converts DXF, DXF-AAMA, or DWG files into .PLT or .HPGL format, creating a secure, plotter-compatible printing file. The conversion program is available at an additional cost.

WARRANTY

Parts and labor coverage

1 YEAR

1-Year Parts Warranty

Any defective components are replaced at no cost within the first 12 months.

3 MONTHS

3-Month Labor Warranty

Covers labor costs associated with repairs for the first three months.

INSTALLATION

Ships unassembled

Velocity Plotters provides support for installation, system commissioning, and operator training to help ensure the machine is ready for production.

FINANCING

Available through TimePayment

01

Does the plotter come assembled?

No, Velocity plotters are not pre-assembled due to shipping and logistical considerations. However, we ensure that setup is fast, guided, and stress-free. Our technical team provides:

- Step-by-step remote installation support
- Configuration assistance for software and connectivity
- Calibration and first-run testing
- User training on operation and basic maintenance

Whether you're local or remote, our priority is to ensure your plotter is fully operational from day one—with the guidance and support you need.

02

What type of ink does it use?

The plotter uses HP #45 black ink cartridges, which are widely available from retailers like Target, OfficeMax, Office Depot, and Amazon. You may also choose to purchase them through Velocity Plotters.

03

What type of paper is recommended for the 1800 Vector Two Plotter?

RECOMMENDED PAPER	Plotter paper
RECOMMENDED PAPER WIDTHS	60", 63", 66", 72"
PAPER WEIGHT	35# basis weight
CORE	3-inch tube

04

Do you offer financing options or plans?

Yes, you can apply for financing through TimePayment to purchase this solution.