

**DATA SHEET**

# Flatbed

## Plotter Cutter

The Velocity Flatbed Plotter Cutter is a versatile, high-performance flatbed cutting machine designed for demanding applications across garment manufacturing, footwear production, furniture, signage, prototyping, and industrial textile fabrication.


**84 yd<sup>2</sup>/hr**

 PLOTTING SPEED  
 70 m<sup>2</sup>/hr

**39.4 in/s**

 MAX CUTTING  
 SPEED  
 1,000 mm/s

**<0.004 in**

 REPEAT ACCURACY  
 <0.1 mm

**600 dpi**

 SOFTWARE DPI  
 Bitmap

### TECHNICAL SPECIFICATIONS

#### AVAILABLE WORK AREAS

 47" x 35" / 59" x 35" /  
 59" x 47"

#### PLOTTING SPEED

 84 yd<sup>2</sup>/hr (70 m<sup>2</sup>/hr)

#### SOFTWARE DPI

 Bitmap 600 DPI, Vector  
 0.0016 in (0.04 mm)

#### CUTTING TABLE

 Reinforced, low-friction  
 cutting surface

#### MAX CUTTING SPEED

39.4 in/s (1,000 mm/s)

#### FORMAT

 HPGL / HPG / PLT  
 compatible format

#### REPEAT ACCURACY

&lt;0.004 in (&lt;0.1 mm)

#### RECOMMENDED MATERIALS

 Pattern Paper  
 (Manila/Tag),  
 Kraft/Brown Paper,  
 Plotter Paper,  
 Cardboard, PVC, and  
 Plastic Board

#### DATA TRANSMISSION

 USB 2.0 and LAN  
 (Ethernet)

#### PLOTTING DEVICE

Inkjet HP45

#### CUTTING THICKNESS

 0.004 in – 0.043 in  
 (0.1 mm – 1.1 mm)

#### SOFTWARE PLATFORM

 Windows (98, 2000, NT,  
 XP, 7, 8, 10, 11), Mac (via  
 Parallels)

#### CUTTING DEVICE

Alloy Knife

#### INK TYPE

 HP #45 black ink  
 cartridges (for  
 plotting/marketing  
 function)

#### WORKING VOLTAGE

 110V/220V optional / 2.0  
 kW

## MATERIAL SPECIFICATIONS

### Recommended materials

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| RECOMMENDED MATERIALS    | Pattern Paper (Manila/Tag), Kraft/Brown Paper, Plotter Paper, Cardboard, PVC, and Plastic Board |
| RECOMMENDED PAPER WIDTHS | 36", 45", and 54"                                                                               |
| PAPER CORE               | 3-inch tube                                                                                     |
| PAPER WEIGHT             |                                                                                                 |
| Manila/Tag               | 100# – 120# – 150#                                                                              |
| Kraft/Brown              | 40# – 50#                                                                                       |

Values shown are basis weight.

Paper weight specifications apply to paper materials only. Cardboard, PVC, and plastic board are rigid materials and are not specified by paper weight.

## 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 machine 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, compatible printing and cutting file. The conversion program is available at an additional cost.

## WARRANTY

### Parts and labor coverage

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| <b>1</b><br>YEAR   | <b>1-Year Parts Warranty</b><br>Any defective components are replaced at no cost within the first 12 months. |
| <b>3</b><br>MONTHS | <b>3-Month Labor Warranty</b><br>Covers labor costs associated with repairs for the first three months.      |

## INSTALLATION

### Ships unassembled

Guided remote installation, calibration, and operator training included.

Los Angeles customers: Onsite installation is also available in the Los Angeles area.

## 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.

Los Angeles customers: Onsite installation is also available in the Los Angeles area.

## 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

**Do you offer financing options or plans?**

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

## 04

**What type of paper is recommended for the Flatbed Cutter?**

|                       |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| RECOMMENDED MATERIALS | Pattern Paper (Manila/Tag), Kraft/Brown Paper, Plotter Paper, Cardboard, PVC, and Plastic Board |
|-----------------------|-------------------------------------------------------------------------------------------------|

|                          |                   |
|--------------------------|-------------------|
| RECOMMENDED PAPER WIDTHS | 36", 45", and 54" |
|--------------------------|-------------------|

|            |             |
|------------|-------------|
| PAPER CORE | 3-inch tube |
|------------|-------------|

|                           |                                 |
|---------------------------|---------------------------------|
| PAPER WEIGHT (MANILA/TAG) | 100# – 120# – 150# basis weight |
|---------------------------|---------------------------------|

|                            |                        |
|----------------------------|------------------------|
| PAPER WEIGHT (KRAFT/BROWN) | 40# – 50# basis weight |
|----------------------------|------------------------|

## 05

**What is the difference between the Standard Flatbed Cutter and the Velocity Template Cutter?**

The Standard Velocity Flatbed Cutter is designed as a versatile solution for applications such as pattern plotting, marking, precision cutting, and processing materials like paper, cardboard, PVC, plastic board, and industrial textiles. The Velocity Template Cutter is designed for applications that require greater cutting power and the ability to process rigid materials. It features a 24,000 RPM milling cutter, reinforced vacuum table, and closed-loop servo system, making it better suited for materials such as acrylic, PVC, and thicker rigid substrates.

In short: The Standard Flatbed Cutter is the more versatile option for general cutting, plotting, and marking applications, while the Template Cutter is the better choice for heavier-duty cutting of rigid materials.