

## SINGLE PLY CUTTER

**Whether you're producing made-to-order, custom-made items, or simply cutting a single layer of fabric, we have a solution for you.**

The Velocity ProCut X single-ply cutter is a powerful and intelligent solution suited to diverse industries. Designed to deliver exceptional precision, it accurately and efficiently cuts a wide range of soft materials, as well as some harder-to-cut materials, ensuring top-tier quality with each cut. Industries such as apparel, footwear, accessories, gaskets, packaging, insulation, PPE, home furnishings, and automotive interiors benefit from its rapid and dependable performance.

Equipped with advanced cutting technology, the Velocity ProCut X achieves an impressive level of accuracy, crucial for these applications, and users can consistently rely on it to deliver outstanding results.

"Our offerings are meticulously crafted from premium materials and components, ensuring reliability and durability. Every component undergoes rigorous testing to meet our exacting quality standards, guaranteeing that our products support continuous, uninterrupted operation for years. We take pride in providing customers with dependable products designed to stand the test of time.



### Interchangeable tools and different accessories

**Minimum maintenance & extremely precise accuracy, that's ProCut X!**

The ProCut X offers minimal maintenance and exceptional precision with every cut. Thanks to its innovative design, users can rely on ProCut X without frequent tool upkeep. Our cutting tools are engineered for maximum accuracy, enabling precise cuts. Whether for large or small projects, ProCut X is equipped with the ideal cutting tools for any task, designed to meet all your cutting needs with effortless maintenance and unmatched precision.

This durable system effortlessly handles all types of fabric materials and offers a quick, convenient blade-changing mechanism with minimal maintenance requirements.

### Features of the tools

**Oscillating Tool:** Electric oscillating tools are commonly used for cutting textile fabrics and can handle thicker materials with greater force, such as fiberboard, nylon, vinyl, soundproof cotton, foam, and multilayer textile fabrics, among others.

**Wheel Knife Tool:** Wheel knife tools offer fast cutting speed and excellent cutting results. They can be used for cutting breathable fabrics without requiring an underlay, and they minimize damage to felt materials. This tool is suitable for materials such as textile fabrics, microfiber cloths, specialty fabrics, PU leather, PET film, PVC, fiberglass, carbon fabric, aramid fabric, etc.

**Drag Tool:** Drag tool (DCT) is used for cutting low-to-medium strength materials, with a cutting thickness generally not exceeding 6mm. The pressure can be adjusted. It features stable performance, fast cutting speed, flexibility, and easy maintenance. This tool is suitable for materials such as PP paper, adhesive labels, cardboard, gray cardstock, phenolic board, reflective materials, ABS, etc.

**Marker Pen Holder:** Marker pen holder can be used with different markers or pen refills to complete marking production. Easy operation, low consumable costs, high practicality.



### Project and Cut

The ProCut X features a revolutionary design incorporating a projection system that streamlines and enhances fabric cutting. This system allows operators to accurately position pieces on the fabric using a computer, eliminating the need for manual alignment and ensuring precise, error-free cuts. With this advanced projection system, ProCut X guarantees a fast, efficient, and highly accurate fabric cutting process.

ViewMatch is designed to simplify fabric cutting by allowing operators to arrange pieces directly on screen using a mouse. Our innovative algorithm locks the image in place, enabling operators to position pieces quickly and accurately. With ViewMatch's intuitive tools, operators can easily adjust the size, shape, and orientation of each piece, preparing them for precise, fast cuts.

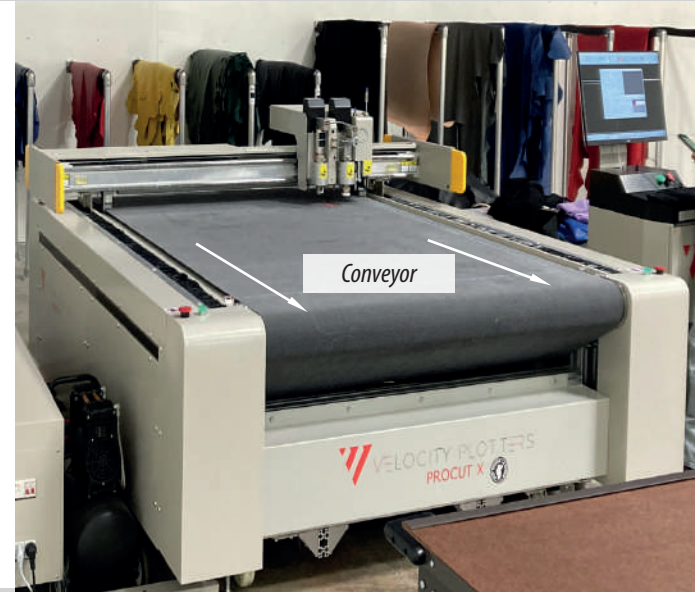
The ViewMatch projection system significantly enhances efficiency, enabling quick and accurate piece arrangement. By streamlining the process, ViewMatch reduces workload, increases cutting accuracy, and accelerates workflow. This advanced algorithm supports operators in creating high-quality cuts with speed and precision.

### The Conveyor Framework

Our cutting systems are equipped with a high-quality conveyor system featuring a continuous belt with dual functionality: it serves as both the cutting surface and the transport mechanism for materials. This system is meticulously engineered to maximize efficiency and precision throughout the cutting process, enabling full automation from material loading to the transport of finished products.

The conveyor system also minimizes manual labor, removing the need for human involvement during cutting and reducing the risk of injury by keeping operators at a safe distance. Ultimately, this advanced conveyor system ensures that the cutting process is both efficient and safe.

**Vacuum System:** The ProCut-X table is equipped with a robust vacuum system featuring a blower controlled by a Variable Frequency Drive (VFD). This system effectively secures the fabric or material, preventing any shifting during the cutting process and ensuring precise, accurate cuts.



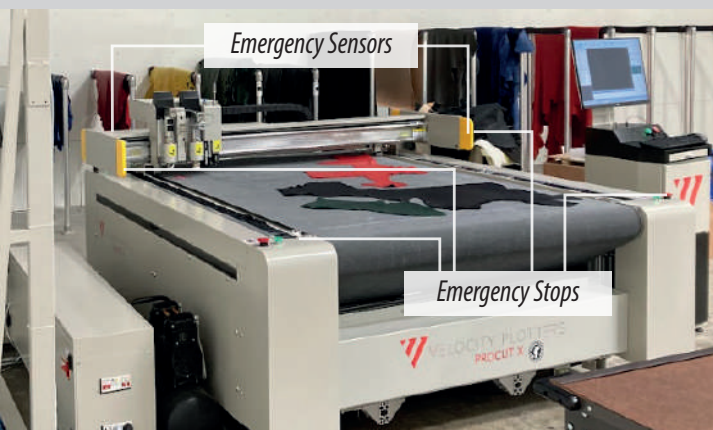
### Safe

**Multiple security measures makes ProCut X a safe machine for you and your operators.**

The ProCut X is equipped with comprehensive safety measures to protect your business and operators. With access controlled by safety sensors that detect potential hazards, Procut X prioritizes safety in its design. Its multiple security features create a secure working environment.

Among its safety enhancements, ProCut X includes an advanced authentication system and sophisticated sensors that monitor the environment for any changes or hazards, providing immediate alerts to operators. These features collectively ensure that ProCut X is a reliable and safe machine for all users.

Additionally, the cutting room operator is continually shielded from the machine's operational area. Our system is designed to prevent any interference between the machine and the operator. For this purpose, the machine is equipped with dual photoelectric sensors that span its entire width. Placed at the front and back, these sensors enable rapid machine shutdown in the event of unexpected occurrences, offering an extra layer of protection for operators at all times.



**The Developed Algorithm**

The ProCut X is an advanced cutting machine equipped with a sophisticated calculation system specifically developed to meticulously plan the cutting path, determining the precise direction for each cut and the optimal descent height of the tool. This capability ensures consistent blade penetration into textured fabrics, resulting in smooth and precise cuts every time. As a result, the ProCut X consistently delivers cuts that meet the highest industry standards.

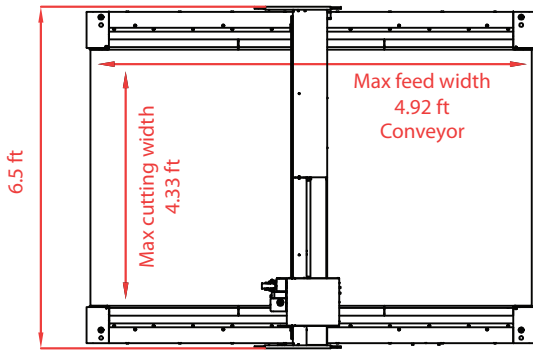
Additionally, this advanced component significantly reduces wear and tear on consumable parts thanks to its high encoder resolution, which provides up to 5,000 pulses per revolution. This precision minimizes wear, prolongs component lifecycle, and enhances the machine's overall efficiency.



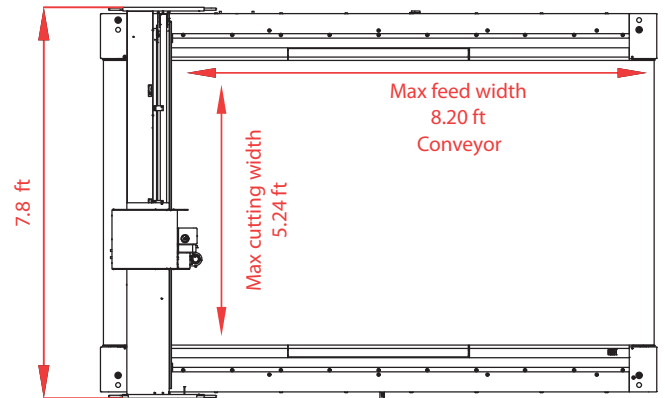
**Control System - SinaCutPlan X Software:** This software allows the operator to control the machine's functions and enables reading and interpreting patterns and markers from a CAD system

**Standard Cutting Area Dimensions**

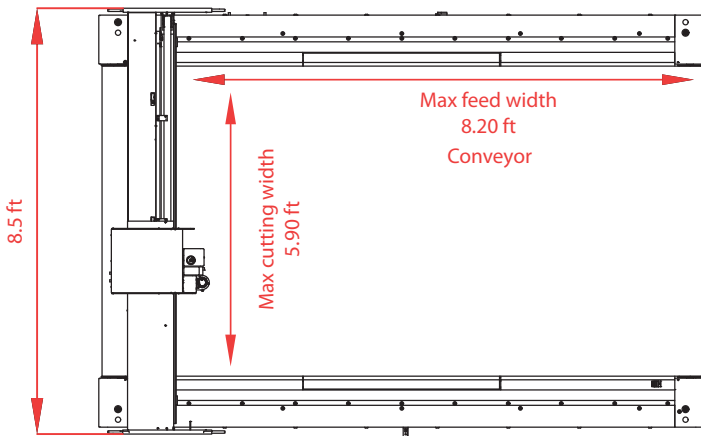
**Model V2514**



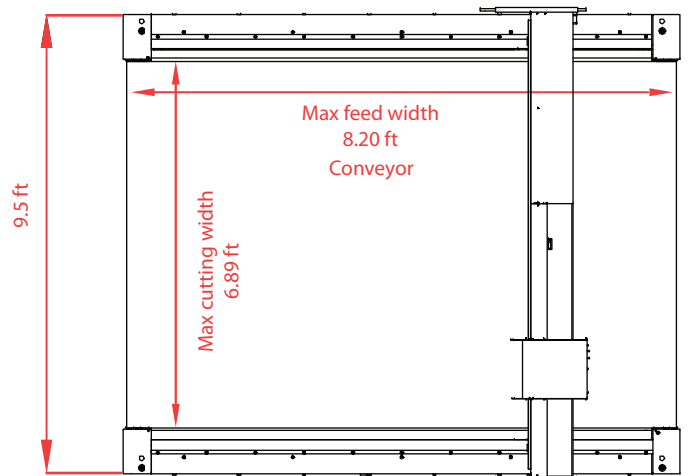
**Model V2516**



**Model V2518**



**Model V2521**



**\* NOTE: For other cutting area dimensions, please contact us.**

