

LARGE-FORMAT AUTOMATIC CUTTING MACHINE

VELOCITY

PROCUT XL

 CONVEYOR

Extra-large automated cutting
for high-volume manufacturing.



From 62" × 12'

WORKING AREAS

5 tools

CUTTING & MARKING

24 zones

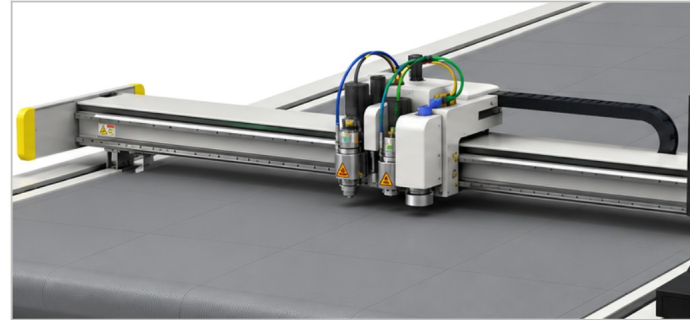
VACUUM HOLD-DOWN

01 — OVERVIEW

Precision that supports productivity.

The Velocity ProCut XL is the extra-large member of the ProCut family, built for manufacturers who need bigger working areas for long markers, large pattern pieces, and high-volume production.

Available from 62" × 12' and in additional sizes, the ProCut XL Conveyor advances finished pieces to the collection end and brings in new material for continuous cutting.



WORKING AREAS FROM 62" × 12' —
ADDITIONAL SIZES AVAILABLE

02 — CONVEYOR SYSTEM

The ProCut XL is 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.

03 — ENGINEERING & PERFORMANCE

Advanced Servo Motor Technology

Precision-controlled servo motors deliver accurate tool positioning and consistent machine movement throughout the cutting process.

Zoned Vacuum Hold-Down

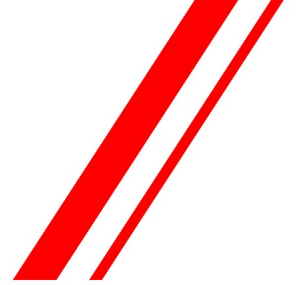
24 independently controlled vacuum zones, selected manually or automatically, keep material stable across the full table, with suction strength managed automatically.

Precision Gear & Pinion Drive System

Engineered for controlled movement, reliable positioning, and repeatable cutting performance.

Integrated Safety Technology

Infrared safety protection and an anti-collision system are designed to support safer machine operation.



04 – TOOLING

Five professional cutting & marking tools.

An interchangeable knife configuration lets operators select the appropriate cutting method based on material characteristics and production requirements.

01 – WHEEL KNIFE



Active Circular Knife

High-speed cutting tool that delivers excellent edge quality. Ideal for breathable fabrics without requiring an underlay, and minimizes damage to felt-type materials.

APPLICABLE MATERIALS

Textile fabrics, microfiber cloth, specialty fabrics, cambric, corduroy, flannel, gauze, 100% cotton, organic cotton, Pima/Supima cotton, cotton-poly blends, and similar materials.

02 – 8 MM STROKE



Oscillating Knife

Electric oscillating tool with an 8 mm stroke, designed for cutting textile fabrics and thicker materials that require higher cutting force.

APPLICABLE MATERIALS

Multi-layer textiles (up to 2 plies), canvas, suede, wool, poplin, denim, and thicker materials, depending on thickness.

03 – DCT



Drag Knife

Designed for low-to-medium strength materials up to approximately 6 mm thick. Adjustable pressure, stable performance, high cutting speed, flexibility, and simplified maintenance.

APPLICABLE MATERIALS

Integrated pattern pieces, textile fabrics, microfiber cloth, specialty fabrics, cambric, corduroy, flannel, gauze, cotton varieties, and blended materials.

04 – MARKING MODULE



Pen Holder

Compatible with various markers and pen refills for production marking and annotation.

APPLICATIONS

Fabric or paper marking, notches, style information, annotations, and reference indicators.

05 – PATTERN NOTCHES



Notching Tool

Dedicated notching tool that produces accurate pattern alignment notches as part of the cutting job, so cut pieces arrive at sewing ready to match and assemble.

APPLICATIONS

Pattern alignment notches, seam-allowance and balance marks, center points, and matching references for sewing and assembly.

05 – MACHINE CONTROL

Intelligent cutting control.

INCLUDED SOFTWARE

SCC/MCC Controlling Center Software

The Velocity ProCut XL includes dedicated machine-control software designed to manage cutting operations and support production workflows.

KEY SOFTWARE CAPABILITIES

-  Machine operation and configuration
-  Cutting-job management
-  Cutting-tool control
-  Production workflow management
-  Operating parameter adjustments

06 – PRODUCTION ADVANTAGES

Engineered to improve your manufacturing workflow.

Precision & Repeatability

Support consistent cutting results through advanced motion-control technology.

Versatile Manufacturing Applications

Accommodate different cutting requirements through multiple cutting and marking tools.

Operator Control

Dedicated machine-control software provides centralized management of cutting operations.

Production Efficiency

Reduce repetitive manual cutting tasks and streamline suitable cutting operations.

Material Stability

Vacuum-assisted material holding helps minimize unwanted movement during cutting.

Production Consistency

Automated tool positioning helps maintain repeatable cutting processes across production jobs.



07 — SPECIFICATIONS

Industrial technical specifications.

SPECIFICATION	PROCUT XL
MACHINE TYPE	Large-Format Conveyor Cutting System
WORKING AREA	From 62" × 12' · additional sizes
DRIVE SYSTEM	Precision Gear & Pinion
MOTOR TECHNOLOGY	Advanced Servo Motors
CUTTING SYSTEM	Multi-Tool Configuration
MATERIAL HOLD-DOWN	24 Independent Vacuum Zones
VACUUM PUMP	9.0 kW (62" × 12' model) · varies by size
CUTTING SURFACE	Continuous Conveyor Belt
MATERIAL FEEDING	Automatic Belt Advance · Optional Feeder
MACHINE CONTROL	SCC/MCC Software
SAFETY	Infrared & Anti-Collision Protection

ELECTRICAL REQUIREMENTS · 62" × 12' MODEL

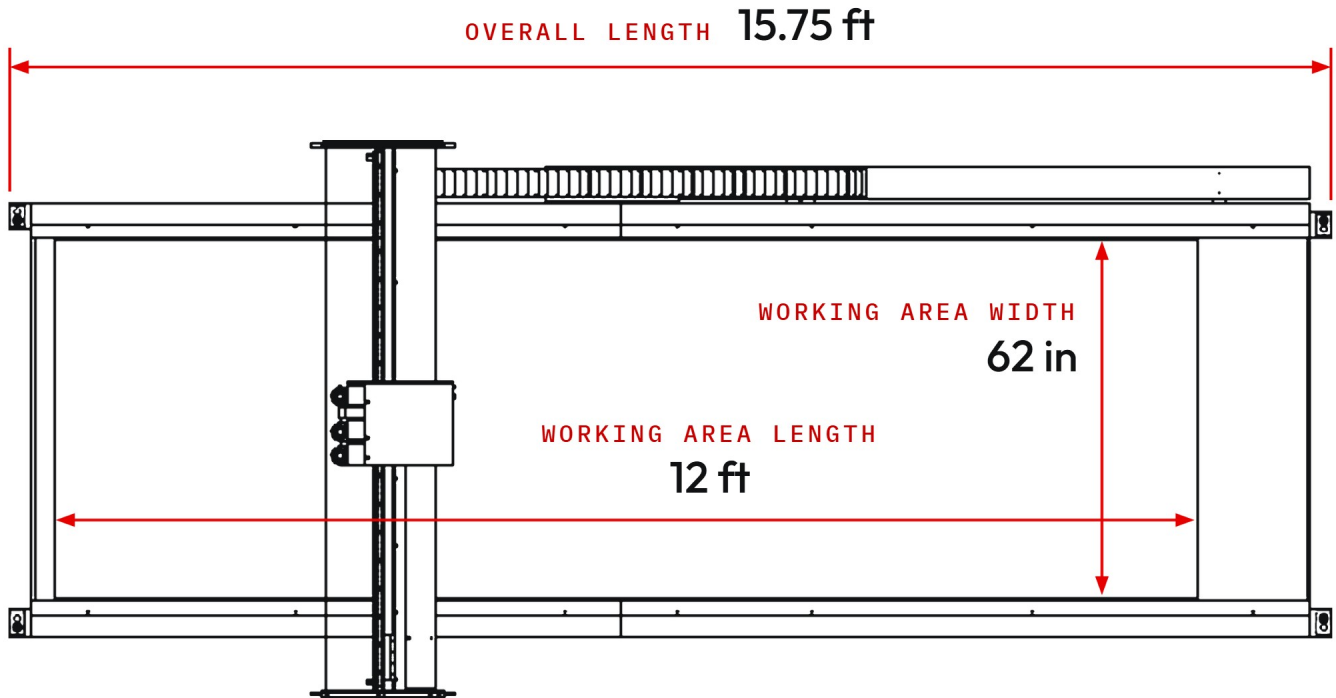
CUTTING MACHINE 1.85 kW 220 V	VACUUM SUCTION PUMP 9.0 kW 380 V	AIR COMPRESSOR 1.0 kW 220 V
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Requirements vary by model. Electrical phase, frequency, and installation requirements must be confirmed before installation.

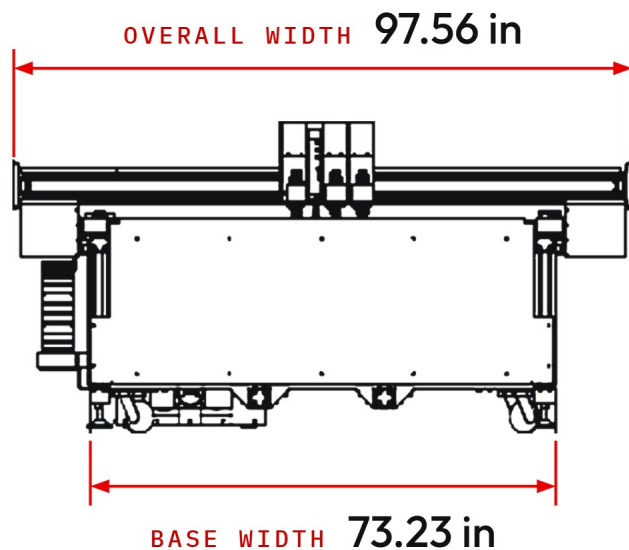
08 - DIMENSIONS

Standard Cutting Area Dimensions

TOP VIEW



FRONT VIEW



DIMENSIONS • 62" × 12' MODEL

OVERALL LENGTH	15.75 ft
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OVERALL WIDTH	97.56 in
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BASE WIDTH	73.23 in
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WORKING AREA	62 in × 12 ft
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Dimensions shown for the 62" × 12' model; other sizes available upon request. Drawings are for reference only and are not to scale.

09 – THE VELOCITY ADVANTAGE

More than a cutting machine. A complete manufacturing solution.

At Velocity Plotters & Cutters, we believe that industrial equipment should be supported by professional installation, comprehensive operator training, and dependable technical assistance. Our commitment extends beyond equipment delivery.

Onsite

INSTALLATION & TRAINING

Professional machine setup, operational configuration, software installation, cutting-tool preparation, and hands-on operator training.

2 years

PARTS WARRANTY

Extended protection for qualifying replacement parts, subject to applicable warranty terms.

8 months

TECHNICAL SUPPORT

Telephone, remote-access, video-conferencing, and qualifying onsite support, separate from the initial installation and training program.

Complete equipment package

- ProCut XL conveyor cutter
- Vacuum suction system
- SCC/MCC control software
- Replacement blades
- Five cutting & marking tools
- Air compressor
- Safety protection systems
- Additional spare parts

No mandatory service contract

Customers are not required to purchase a separate service agreement. Optional continuing support arrangements are available.

Take your cutting operations to the next level.

Talk with our team to find the right format and table size for your materials and production volume. Custom dimensions are available upon request.

REQUEST A PRODUCT CONSULTATION OR QUOTATION TODAY

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VELOCITY PLOTTERS & CUTTERS LLC

Industrial Plotting | Digitizing | Automated Cutting Solutions