



ACT* SERVO CUTTER SYSTEM

*(ADAPTIVE CUTTING TECHNOLOGY)



Model S1ACT Cutter Shown

Automatic cutting mode selection. Versa's exclusive ACT software automatically selects On-Demand mode, Cam mode, or Flywheel mode cutting, from operator entered line speed and cut length figures. These three cutting modes cover a wide range of cutting requirements at speeds up to 3,000 cuts per minute. ACT systems automatically select the best mode of operation for each application.

On-demand mode: For applications requiring slower cut rates, the knife comes to a full stop after each cut, in a preset "Home" position, for maximum cut length accuracy.

Cam mode: For applications requiring higher cut rates, where there is not sufficient time to stop the knife in the "Home" position, the knife slows after making each cut, moves toward the "Home" position and then returns to full speed to make the next cut. This allows the machine to cut relatively short lengths at full knife velocity without having to come to a full stop between cuts.

Flywheel mode: For applications requiring extremely high cutting rates, the knife is rotated at a continuous mode, with the cutting rate automatically controlled by the line speed.

The Versa ACT Servo Cutter System is a high speed, flyknife cutter that will operate as an On-Demand or Flywheel cutter to automatically cover a range of cutting rates from 0 to 3,000 cut per minute.

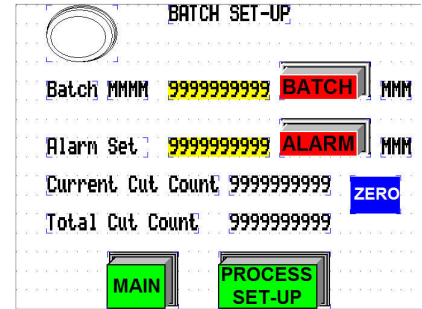
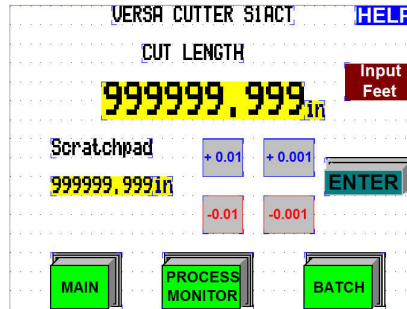
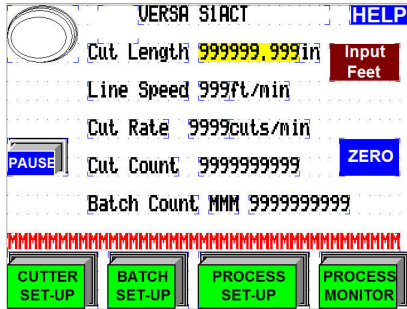
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VERSA ACT SERVO CUTTER SYTSEMS

Measure and cut your extruded products to exact lengths automatically. Versa Servo Cutting systems with ACT (Adaptive Cutting Technology) software provide a broad range of cutting capabilities. The system's ACT software performs the necessary calculations to determine the best cutting mode for each application. The operator simply enters the cut length through an easy to use touch screen interface. The ACT software does the rest.

Versa Servo systems with ACT are complete cutting systems consisting of a Servo cutter, integral Cut Length and Batch Control. Maximum material capacity is up to a full 3" (76.2 mm). The operator interface is designed to allow easy set-up and quick changes for manufacturers that process a wide variety of products. The main operating screen displays the Cut Length, Line Speed, Cutting Rate, Cut Count, and Batch Count. The system is available with a number of encoder measuring system options, including a non-contact laser Doppler. Typical machine setup screens are shown below.



SYSTEM FEATURES

- Easy to program automatic operation
- Panel view operator interface for easy setup
- Accurate cutting of plastics and rubber tubing, shapes, and profiles to 3" (76.2 mm) O.D.
- Length counter adjustable from .001" to 9999.999"
- Continuous cutting at speeds up to 3,000 cuts per minute
- Three modes of operation
- Reliable 24/7 performance

HOW IT WORKS

The material is fed through closely spaced bushings for precision cutting by a high-speed razor sharp knife.

The integral cut length control receives measurement pulses from an encoder with measuring wheel, or a laser Doppler to achieve precise part measurement.

Bushings are available in a variety of sizes to match the diameter of the material. One set of bored bushings or two sets of blank bushings come with each machine.

SPECIFICATIONS

Cutting Rate	Up to 3,000 Cuts/min.
Cutting Torque	Up to 140 in-lbs peak (90 in- lbs continuous)
Cut Length Range	0.001" to 9999.999" (99999.9 Ft During operation in Ft)
Overall Dim. With table	33"L X 30"D X 50" to 58"H

Electrical Requirements	230V/1ph/50Hz or 60Hz
Bushings	1", 2" or 3" based on system selected
* Maximum Material Size	Model S1ACT, 1" (25.4 mm) O.D. Model S2ACT, 2" (50.4 mm) O.D. Model S3ACT, 3" (76.2 mm) O.D.

* Material hardness, wall thickness and construction may limit maximum size.



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