



## ON DEMAND SERVO CUTTERS



**Model S2 Servo Cutter**

- **Compact Table-top design**
- **Up to 3" (76.2 mm) capacity**
- **Quiet, reliable servo design eliminates most wear parts**
- **Cutting rates up to 1,000 cuts/minute**
- **Knife speed selection switch provides three operating speeds for best cut quality**
- **Includes safety interlocks on knife guard, cutter cover, and cutter bushings**
- **Stainless steel knife guard**
- **Low inertia knife holder and knife cap**
- **Totalizing piece counter included**
- **Optional Length/Batch control**
- **Optional drip lubrication systems with multiple outlets available to lubricate knife and/or entrance bushing**

Versa Machinery servo cutters are perfect for upgrading any cutting system. Their small, compact design allows them to replace nearly any flyknife cutter, interfacing to an existing length control, operating with a Versa Electric Eye length control, Model LC-2000 Length/Batch control system, or our specialized high speed cuff detection system for precision placement of cuts on corrugated tubing.

(See back panel for cutter models, specifications, and options.)

### **Versa Machinery**

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## VERSA ON-DEMAND SERVO CUTTERS

Versa On-Demand Servo Cutters are available to meet your specific cutting requirements for both on-line and off-line precision cutting of rubber and plastic profiles, and tubing. Versa cutters assure profitable operation of your processing line by the cutting of continuous products into exact lengths at the highest production rates possible. Versa was first to introduce on-demand cutting technology over 45 years ago. Servo cutters provide clean, quiet operation without the use of wear components such as those used in brake and clutch cutters. This allows extended operation without requiring adjustments or parts replacements due to wear, other than the cutting knife.

Versa table-top On-demand servo cutters are available for cutting materials up to a maximum 3" (76.2 mm) in diameter or width. The table below lists the various models offered, providing the capacity for each model, cut rate, knife speed, cutting torque and standard operating voltage. Other input voltages are available as options.

Versa Machinery cutters are designed to provide years of service in demanding production environments. Versa products are assembled by skilled craftsmen, using the highest quality materials, machined to precise standards. Versa engineers can provide recommendations for the best methods to feed, cut and process your materials.

### OPTIONS AVAILABLE

- Left-to-Right configuration
- Heavy duty table with casters and leveling screws
- LC-2000 Length/Batch Control system
- Electric Eye Length Control system
- X or X-Y axis slide bases, in a variety of extended lengths
- Drip lubrication systems to lubricate the knife and/or the cutter entrance bushing
- Non-contact laser Doppler for measurement of sensitive products
- Medical or Clean Room package with stainless steel bushings, bushing holder, knife cap, and white powder coating of cabinet

### HOW IT WORKS

The material is fed through a pair of closely spaced, close fitting bushings for maximum product support. Precision cutting is performed by a high-speed razor sharp knife.

The knife is parked 180 degrees rotation from the bushings after each cut, ensuring precise control of cut lengths.

Bushings can be precisely bored for different diameter of the tubing. Special bushings can be machined for extruded profiles. One set of bored bushings or two sets of blank bushings are supplied with each machine.

A variety of knives are available to suit a wide range of material requirement

### SPECIFICATIONS

Model	Cut Rate	AC Motor	Max. Knife Speed	Max. Cut Capacity	Voltage	Max. Torque
S1	1,000 CPM	6 Amp	1,700 RPM	1" (25.4 mm) OD Product	* 115 or 230V 50/60 Hz	150 lb-in (16.9 Nm)
S2	1,000 CPM	6 Amp	1,700 RPM	2" (50.8 mm) OD Product	115 or 230V 50/60 Hz	150 lb-in (16.9 Nm)
S1HD	1,000 CPM	12 Amp	1,700 RPM	1" (25.4 mm) OD Product	115 or 230V 50/60 Hz	276 lb-in (31.1 Nm)
S2HD	1,000 CPM	12 Amp	1,700 RPM	2" (50.8 mm) OD Product	115 or 230V 50/60 Hz	276 lb-in (31.1 Nm)
S3HD	1,000 CPM	12 Amp	1,700 RPM	3" (76.2 mm) OD Product	115 or 230V 50/60 Hz	276 lb-in (31.1 Nm)

\* 400 volt and 460 volt cutters are also available.

Designs and specifications are subject to change with product advancements.

Cutters are available as part of a complete system, on a common table with a wide variety of caterpillar or pinch wheel pullers. Systems include a slide base for the cutter for ease of string up, and our Model LC-2000 Length/Batch Control system. Complete systems are recommended for flexible extrusions to ensure the cutter can be placed as close as possible to the exit nip point of the puller.



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