



VERSA DOUBLE ANGLE CUTTER/PULLER SYSTEMS



- Performs double angle cuts on tubing or profiles
- Includes two Servo Cutters and a Servo Feeder
- Integral Length Control system
- Caterpillar or Pinch Roll Feed
- Ideal for cutting medical tubing, hose, window seals, gaskets, etc.

The Versa Double Angle Servo Cutter is a complete system for the cutting of extruded products that require angular cuts. Systems can be configured to cut opposing angles, the same angle on both ends, or different angles on each end of a product. The system includes two Servo Cutters and a Servo Driven Caterpillar Puller, electronically linked for the highest degree of cut length accuracy. The Servo Motors and Drives provide smooth, quiet, dust-free operation, with a minimum of maintenance required. Cuts are performed at rotational speeds up to 1600 RPM to provide clean, square cuts even at high feed rates. The knife holders are mounted directly to the Servo Motor shafts, and at 90° to the shaft to provide cuts with no scallop effect even on largest diameters.

A 6" color touch screen interface makes setup and operation quick and easy. All necessary operating parameters are displayed on the main screen. The operator can quickly move to any setup or operating screen at the press of a single pushbutton. Increment and Decrement pushbuttons allow small changes in cut length or line speed to be made instantly and with ease. A batch control system is also provided via the touch screen. An optional remote puller control package will allow interface with a laser gauge for automatic control of product O.D.

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VERSA DOUBLE ANGEL CUTTING SYSTEM

The Versa Double Angle Cutter was conceived and developed by Versa Machinery to allow extruded product manufacturers to process materials requiring two different cut angles on-line, on a single machine. This greatly reduces machinery costs and handling. Systems can be configured to cut two opposing angles, such as 45° for window seals, or two different angles, such as 90° and 45°. Maximum material capacity is a full 1" (25.4 mm) when cutting 45° or 90° angles. Maximum material width or diameter is limited to .350" when cutting at 30° or 60° angles.

SYSTEM FEATURES

- Easy to program automatic operation
- 6" color touch screen interface for easy setup
- Accurate cutting of plastics and rubber tubing, and profiles to 1" (25.4 mm) O.D.
- Length counter adjustable from 0" to 999.999"
- Continuous cutting at speeds up to 400 cuts per minute (double angle mode) or 300 cuts per minute (single angle mode)
- Efficient 'fly-knife' cutting
- Three modes of operation:
 - Double angle cutting
 - Single angle A (One angle only)
 - Single angle B (The other angle only)
- Pinch roll or Caterpillar feed with constant center line adjustment
- Integrated feed system with length control and batch counter

HOW IT WORKS

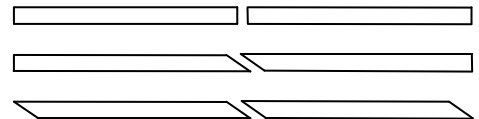
The material is gripped by a pair of rollers or caterpillar belts and pushed through closely spaced bushings for precision cutting by a high-speed razor sharp knife.

The system alternates cutting between two Servo Cutters, each set at a different angle. Due to the high blade speed there is no need to stop-cut-start the material feed. This ensures higher productivity and smooth feeding.

Three modes of operation provide flexibility for cutting a wide variety of products.

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. Profile bushings will be quoted upon request.

All three of these configurations can be cut on one double angle cutting system.



Systems can also be configured to cut opposing angles like these.



SPECIFICATIONS

Electrical Requirements	230V/1ph/50Hz or 60Hz
Cutting Torque	200 in-lbs peak
Feeder Options	2"W X 4" Dia. Pinch Wheel 2"W X 9"L Caterpillar
Bushings	Bushings will be quoted for each system, based on the application.

Feed Range	5 to 150 FPM Standard Other Feed Ranges Available
Cutting Rate	400 Cuts/min. (Double angle mode) 300 Cuts/min. (Single angle mode)
Max. Cut Length	0" to 999.999"
Maximum Material Size	* 1" (25.4 mm) O.D. (When cutting 45° or 90° angles.)

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



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