



- Cuts up to 12,000 parts per minute
- Accurate and reliable cut lengths
- Ideal for high speed cutting of washers, straws, dip tubes, and other extruded products

MODEL 50

HIGH SPEED FLYWHEEL CUTTER/FEEDER



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VERSA MODEL 5022 FLYWHEEL CUTTER/FEEDER SYSTEM

VERSA Model 50 systems automate the cutting of high volume parts at high production rates. They can be used for either off-line or in-line cutting of extruded rubber and plastic products. The systems are easy to setup and simple to operate. The operator selects the cut length, line speed, and number of knives installed. The machine automatically calculates and sets the proper rotational speed for the flywheel. A closed loop electronic feedback system between the feeder and cutter assures consistent cut lengths.

Versa Machinery cutters are designed to provide many years of reliable cutting performance in a wide variety of applications. VERSA products are assembled by skilled craftsmen, using the highest quality materials, machined to precise standards. Versa Machinery engineers can provide recommendations for the best methods to feed, cut and process your materials.

SYSTEM FEATURES

- Cut rate: Up to 1,500 cuts per minute with a single knife. Up to 12,000 cuts per minute with eight knives.
- Accurate cutting of plastic and rubber tubing, hose, and profiles up to 2" (50 mm) O.D.
- Available with either Pinch Roll or Caterpillar style feeder.
- Roll or belt gap is adjustable along a constant centerline
- Cutter and feeder are mounted on a heavy duty steel table with casters and leveling screws.
- Two sets of blank bushings or one set of bored bushings are supplied with the system.
- Reliable service with "around the clock" performance

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. One, two, four or eight knives can be installed to achieve cutting rates between 500 and 12,000 cuts per minute.

The flywheel speed is automatically set by a computer control, based on the cutting data entered by the operator. The feeder is electronically linked and synchronized to the flywheel to assure consistent part cut lengths.

Bushings can be precisely bored for different diameters of tubing or hose. Special bushings can be machined for extruded profiles.

SPECIFICATIONS

Electrical Requirements	230V/3ph/60Hz Other voltages and 50Hz systems are available	Bushings	One set of bushings bored to size or two sets of blank bushings supplied
Feeder Options	2"W X 4" Diameter Pinch Wheel or 2"W X 9" Belt Caterpillar	Max. Speed	400 FPM (121.9 meters/min.) 12,000 Cuts per minute
Weight	1200 lbs (73 kg)	Max. Cut Length	Determined by feeder speed (Min. cut rate is 500 cuts per minute)
Maximum Material Size	2" (50 mm) maximum material O.D. (Material hardness, wall thickness, and construction may limit maximum size.)	Knives	Twenty (20) knives are supplied with each system. A "Quick Change" knife and holder design is available for in-line cutting applications

Our continuing program of product and process improvements may make changes necessary in specifications and data contained herein without notice. Due to variations in material, die and other process requirements, actual outputs in the field may vary.



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