



- Highly Accurate Cut length Control
- Includes a Batch Control System
- Can be used with virtually any type cutter
- Displays cut length, line speed, and cut rate

LC-2000

LENGTH / PROCESS CONTROL



The Versa Machinery Model LC-2000 is a universal direct length control system, with built in batch control. It will operate with a wide variety of encoders and measuring wheels for direct length measurement, or it can operate in a Time-Based cutting mode. The LC-2000 can operate and display all functions in either the English or Metric measurement system. The display can be switched to show the line speed or cutting rate (cuts/min.). An internal batch control system allows the operator to preset a batch quantity and repeat the batch over and over again, either automatically or at the press of a button. The system can be wired to a customer supplied Puller, enabling it to stop the puller and cutting operation at the completion of each batch when cutting off-line.

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VERSA MODEL LC-2000 LENGTH/PROCESS CONTROL SYSTEM

The digital display is intuitive and easy to use. Simply select a cut length to be achieved, and press the Reset button to enter the length. Using an encoder and measuring wheel or time-based measurement the LC-2000 will automatically measure and cut your material to length. A variety of encoders and measuring wheels are available to accommodate the level of cut length accuracy you need. The LC-2000 can be ordered as a stand-alone item, for use with your existing encoder and measuring wheel or it can be ordered as a complete system, including an encoder, measuring wheel, encoder mount assembly, and cables.

SYSTEM FEATURES

- Easy to setup and to operate
- All functions are displayed with large LEDs, that are easy to read from a distance
- Can be used with virtually any type cutter
- Allows the use of a variety of encoders and measuring wheels to achieve the accuracy your cutting application requires
- Displays line speed and cut rate
- Operates in either the English or Metric system
- Built-in batch control allows for automated cutting of batch quantities. The LC-2000 can be wired to stop the function of your Puller when each batch is completed, or activate a visual or audible alarm
- A wide variety of Batch Pause and Batch Completion operating options are provided
- An adjustable mounting bracket allows the LC-2000 to be positioned at the best angle for observation by the operator

HOW IT WORKS

The LC-2000 can be used for time-based cutting or it can measure products using an encoder with a measuring wheel. The measuring wheel is designed to ride directly on the extruded product, or on the pinch roll or caterpillar belt of a Puller system. The encoder sends a series of measurement pulses to the LC-2000 as it measures the product. When the preset length count is reached the LC-2000 provides a "Cut" signal to the cutter to cycle the knife. The LC-2000 resets its counter to zero after each cut and continues to measure the product for the next cut. When the system is coupled with a high resolution encoder it receives one measurement pulse for every .002" of material movement, allowing it to hold extremely high cut length tolerance.

SPECIFICATIONS

Electrical Requirements	115V/1ph/60Hz	Measurement Systems	English, Metric, or time
Functions Displayed	Cut Length Line Speed Cut Rate Batch Quantity Encoder Position	Measurement Options	600, 1200, or 3600 Pulses Per Revolution Encoder (PPR) or Time-Based (Adjustable in 0.001 seconds increments)
Dimensions	6 3/4"W" X 7"H" X 4"H" (171 X 178 X 100 mm)	Weight	4.4 lbs (2 kg)

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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