



HIGH SPEED CORRUGATED TUBE CUFF DETECTION CONTROL

Features:

- Cuts in relation to cuff on corrugated tube, or can be used to cut smooth tubing kits
- Highly accurate cuff detection and cut placement
- Two cuts possible on each cuff
- Length is variable for each cuff
- Cuts up to 16 different parts in a string, with the capability of repeating each part as needed
- Corrugation pitch programming allows for a wide range of products
- Skip cuffs as required
- Stores up to 50 different part recipes
- Optional compact card storage of backup data
- 10" color touch screen operator interface
- Compatible with virtually any type cutter
- Complete Cutter/Puller systems available in a wide variety of configurations



Versa Machinery

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SYSTEM FEATURES

- 10" color touch screen operator interface
- User friendly setup and to operation
- Performs cuff detection or operates in smooth tubing mode to produce parts kits
- Allows up to 16 unique parts in a string
- Repeats each part as many times as needed
- Can be used with virtually any type cutter
- Operates in either the English or Metric system
- Sensor compensation allows precise cuff length cut placement
- Performs up to 400 cuts per minute in smooth tubing mode
- Stores up to 50 part recipes for instant recall
- Optional compact card storage can provide back up of data

HOW IT WORKS

A high speed electric eye locates the end of each selected cuff. A high resolution encoder then measures the specified distance to the cut location. This allows the system to hold cut length tolerance to +/- 0.020" in many applications. Cuffs requiring cuts are selected by entering a length that is slightly less than the distance to the cuff. The eye ignores cuffs within that length, allowing it to skip over them where needed.

The system has the ability to enter lengths for multiple parts and repeat each part as many times as necessary. This allows it to also perform kit cutting of smooth tubing. This process produces a series of parts at different lengths for packaging as a kit.

The control requires custom bushings for the high speed electric eye sensor. The cutter is controlled by a simple "Cut" output signal, allowing the control to be used with virtually any high speed cutter with accurate, repeatable control of knife activation and park position.

SPECIFICATIONS

Electrical Requirements	115V/1ph/60Hz Max. 250 watts		Measuring Systems	English or Metric
Functions Displayed	Corrugated or Smooth Tube Mode Active Puller Speed Cut Count Number of segments (parts) entered Active Segment Repeat Segment Quantity Length 1 – 1 st Cuff cut Length 2 – 2 nd Cuff cut (When required) Length 3 – Begin detecting next part		Encoder	Heavy Duty 3600 Pulses Per Revolution Encoder (PPR)
Dimensions	16"H" X 14W" X 4"D (406 X 356 X 250 mm)			

Our continuing program of product and process improvements may necessitate changes 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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