

# AUTOMATIC FLASH CUTTER®



## Overview

Custom designed automatic machines for cutting to length and fusing the ends of stranded cable in most metals.

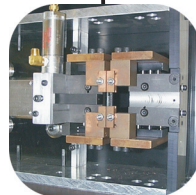
- Series: 950
- KVA: 1.5 - 10
- Line: 120, 240, 440 50/60 Hz
- Capacity: 3/8"(9.5mm)

## Description

The Automatic Flash Cutter® 950 series are pull-to-length cable cutting machines. By means of mechanically actuated gripping fingers mounted on a motor driven carriage, a cable is gripped and pulled to the desired length. The cutting head then cuts the cable and the grip fingers release the cable to fall into a receiving device. The carriage then returns to repeat the process. The machine cycles until a pre-set counter or the operator turns it off.

## Typical Uses

- Flexible Shaft Drive
- Automotive and Aircraft Controls
- Machine Rigging
- Office Machine Cables
- Medical Instruments
- Winch Cables
- Garage Door Cables



## Features

- Easy to operate and set up
- Durable and long lasting
- PLC (Programmable Logic Controller) controlled operation
- Water-cooled electrode holders and distribution manifold (option)
- Pull lengths up to 3ft. (1 meter) can be built as bench top models. Longer stroke Flash Cutters® are supplied on a welded steel base.
- Can incorporate a mechanical cutting system ( punch press, shear, saw, or abrasive cutter) in place of the electrical cutting head for use on plastic coated cable.
- Transfer arms to move the cut piece for additional operations such as stripping, swaging, staking, splaying etc. can be installed at the cutting head.



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## Specifications

Model	KVA	Line Voltage	Drive	Cut Length Limits <sup>1</sup>	Capacity
950 A	2.5 - 10	240 / 440	DC Motor	3" to 16'	To .375 " (9.5mm)
950 P	1.5 - 10	120 / 240	Band Cylinder	3" to 4'	To .375 " (9.5mm)
951	1.5 - 2.5	120 / 240	Stepper Motor	1.5" to 16'	.02" to .156"

♦ 1. Double pull action: increases capacity to twice the length of the single pull. Multiple pull also possible.

## How It Works

A set of gripping fingers mounted on a moving carriage grip the cable at the cutting head. The carriage is then driven away from the cutting head by a variable speed DC motor or band cylinder until it comes to the adjustable stop. The cutting head then activates to place the cutting electrodes around the cable after which the cutting cycle is initiated. Heavy current of low voltage melts a short section of the cable fusing the ends. Once the cable has been cut, the gripping fingers and the electrodes release the cable and the cut length is allowed to fall into a trough or other catching device. The carriage then returns to the cutting head position and the process is repeated. A batch counter will allow the process to continue until the required number of pieces has been cut.

## Accessories

- De-reeler for pre-feeding cable spools
- One or two access straighteners for stiff wire
- Weld Interceptor to detect butt weld or knot in cable
- Monitor to detect if the cable has not been cut before starting another cycle

## Customize

EWALD's FLASH CUTTER® can be designed and quoted to fit the customers' individual needs. Please feel free to ask about any special needs you may have.

Details of our equipment are changed as improvements develop. With changes in materials, changes in design, and customization requested, the machinery shipped may not be exactly as pictured.



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