

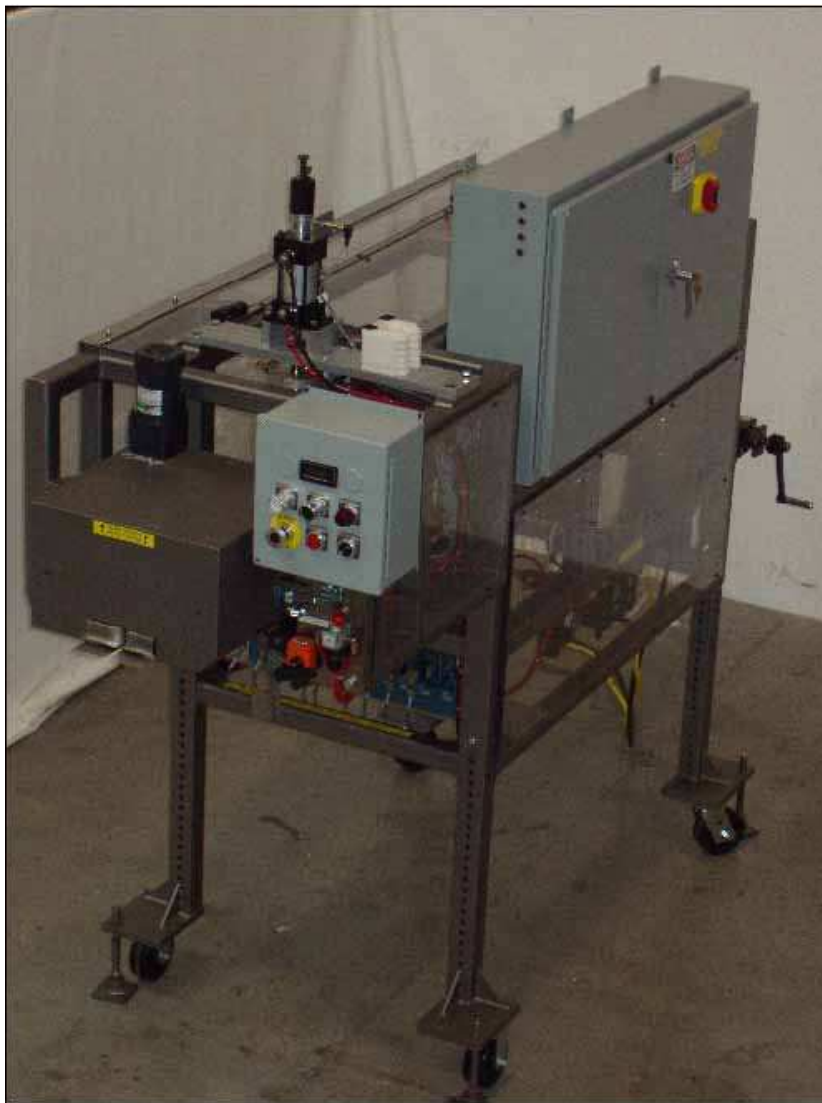
MASSMAN ENGINEERING, LLC.

FILTER-TECH DIVISION

STREAMLINING PRODUCTION THROUGH AUTOMATION

Semi-Automatic Cartridge Assembly Machine - Metal Clip MCAM-1200C

We are experts at designing systems that help you increase production efficiency, improve production flexibility and reduce manufacturing costs.



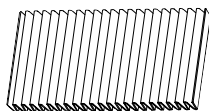
The Massman Engineering MCAM-C Series Semi-Automatic Cartridge Assembly Machine provides an affordable method of assembling and securing cylindrical oil, gas, water, or air filter media. An operator presents the end pleats into the MCAM, which automatically joins the ends with a metal clip, and discharges the clipped pleat block onto an exit conveyor at speeds of up to 30 parts per minute.

The MCAM-C Series uses the same proven clip forming mechanism as the Massman Engineering ACAM-C Series fully automatic cartridge assembly machines. This mechanism automatically squares the media, registers the seam, and applies the metal clip to provide a consistent, high quality filter cartridge. All MCAMs feature quick "No Tool" changeover to handle different sizes filter media.



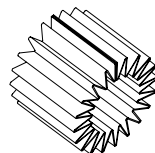
1. Filter Collation

Operator gathers pleat block



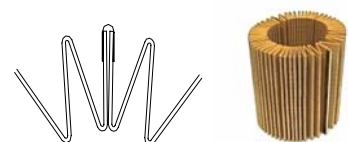
2. Filter Forming

Operator forms cylindrical shape



3. Filter Joint Securing

Automatically applies and crimps



MCAM – C Series

Specifications



The MCAM-C Series Semi-Automatic Cartridge Assembly Machine includes a self-contained programmable logic controller and operates automatically after the formed pleat block is introduced by the operator. After the clip is secured on the cartridge, an automatic eject mechanism releases the finished assembly into a bin or onto a conveyor.



Safety guarding isolates the operator from the moving parts of the machine. If an operator presses the emergency stop button or opens the access door, the machine is automatically de-energized.



The MCAM legs are designed so the working height can be adjusted from 30" to 48". It may be cantilevered over an infeed and outfeed conveyor provided by the customer.



The MCAM includes an axis horizontal pay-out reel to hold a single reel which supplies clip material to the clip pre-form die mechanism. Optional powered and multi-reel clip stock systems are available.



Compressed air requirement is 75 psig (5 BAR) minimum. Filter, regulator, and pressure gauge are included. Operating voltage is 120V, single phase.

Product Specifications

Model	MCAM-1200C
Type of Seam	Metal Clip
Metal Clip Dimensions	0.50 ± 0.01 inch Wide 13 ± .25 mm 0.008 ± 0.002 inch Thick .20 ± .05 mm
Through-put Rate	Up to 30/min (operator paced)
Slit Width Range	2.00 – 12.4 inch 51 – 300 mm
End Pleat Height/Depth Range	0.50 – 1.50 inch 13 – 38 mm

For more information, please contact:



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