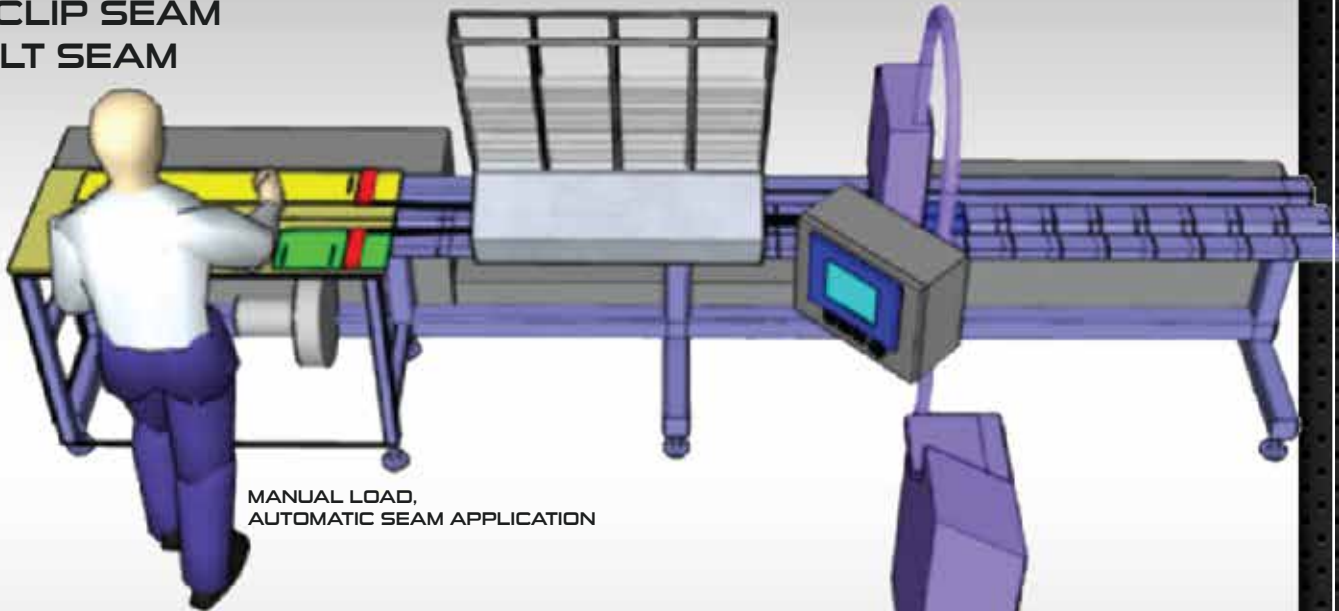


# IM-MCAM-5000

INTERMITTENT MOTION MANUAL CARTRIDGE ASSEMBLY MACHINE

- ULTRASONIC WELD SEAM
- METAL CLIP SEAM
- HOT MELT SEAM



- The **IM-MCAM-5000** system provides an affordable seaming system for all size production facilities
- Excellent solutions for low volume applications where frequent changeovers are the norm
- Machinery and operator load speeds of up to 30 per minute corresponds to filter slit width
- Uses the same high quality automation techniques as used in our fully automated versions.
- Completely aligns and seams filter end pleats and provides a repeatable seaming process for your filters
- All **IM-MCAM-5000** systems provide quick change over adjustments and seam an enormous size range of filter media (up to 50 inches in slit width)

**AVAILABLE  
MODELS**

**MCAM-5000-aU**  
(ULTRASONIC WELD SEAM)

**MCAM-5000-C**  
(METAL CLIP SEAM)

**MCAM-5000-H**  
(HOT MELT SEAM)



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*Streamlining Production Through Automation™*

## IM-MCAM-5000 MACHINE OVERVIEW:

### Machine Features:

- The IM-MCAM-5000 system includes a self-contained programmable logic controller and operates automatically after the pleat block is introduced by the operator. After the pleat block is seamed, it is released to the customers downstream process.
- The base IM-MCAM-aU utilizes a step-indexed 10 inch (250mm) ultrasonic weld horn & anvil head. An optional rotating horn and anvil system is also available.
- The base IM-MCAM-C utilizes a step-indexed 13 inch (330mm) clip head. Optional clip dimpling, alpha-numeric or logos can be stamped into the metal clip stock.
- The base IM-MCAM-H includes an adhesive dispense system upgradable to the customer's preferred brand of dispenser. An automatic retracting adhesive gun purges adhesive for a fresh adhesive dispense at the seam.
- Center tubes can also be integrated into each assembly by either hand loading by the operator or automatically placed from a magazine.
- Quick-change filter advance paddles enable paddles to be added or removed as production requires. Paddles are removed for long slit products and added for small slit and higher production speed products.
- IM-MCAM-5000 systems are available in "N"(narrow ) and "W"(wide) versions (see chart below) to accommodate the greater pleat counts (compressed width) of many longer filters.



### Product Specifications

Compressed Width	2.0 – 6.0 (50 – 150)	4.0 – 10.0 (100 – 250)	8.0 – 13.0 (200 – 330)			
Paddle Configuration	"N" Series Slit Width inches (mm)	"W" Series Slit Width inches (mm)	"xW" Series † Slit Width inches (mm)	Lug Conveyor speed @ 4" per sec.	Estimated Media Load Time*	Projected Cycle per Slit*
32 Paddle	2.0 – 6.0 (50-150)	4.0 – 6.0 (100-150)	n/a	1.9 sec. between paddles	~1 to 2 sec.	~20 to 30/min.
16 Paddle	2.0 – 12.0 (50-300)	4.0 – 12.0 (100-300)	8.0 – 12.0 (200-300)	3.8 sec. between paddles	~2 sec.	~16/min.
8 Paddle	2.0 – 25.0 (50-650)	4.0 – 25.0 (100-650)	8.0 – 25.0 (200-650)	7.5 sec. between paddles	~3 sec.	~8/min.
4 Paddle	2.0 – 50.0 (50-1300)	4.0 – 50.0 (100-1300)	8.0 – 50.0 (200-1300)	15 sec. between paddles	~4 sec.	~4/min.

† "xW" is offered at additional cost; "N" and "W" is at standard cost.  
\* Since machine is operator paced, the actual throughput realized varies.

