

mmp[®]



Revolutionizing Wound Filter Cartridge Production



www.mmpfilter.com





INLINE FILTER CARTRIDGE WINDING MACHINE

SPECIFICATION

This model consists of INLINE Filter Cartridge Winding Machine which is specially made for making 8.50 / 8.75 / 9.25 inch length.

The special feature of model is excellent Filter quality as well as high production.

Machine Type	Inline
Motor (RPM)	1400 RPM
Capacity (PCS/H)	35-50 according to cartridge length
Filter length	8.50 / 8.75 / 9.25 inch
Diameter range	Max 100mm
Filter precision	0.5-100micron
Raw material	Yarn (PP, Cotton etc) & Core (PP)
Voltage	1P/230V/50Hz







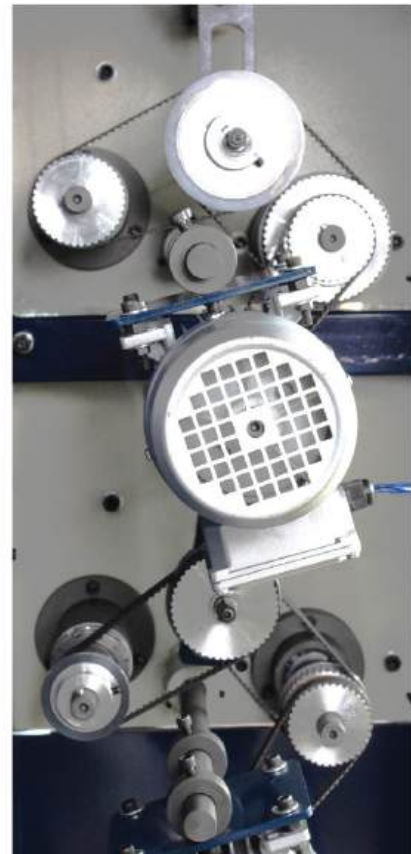
AC Frequency Drive

Includes two 0.75 kW AC Frequency Drives for individual winder machines, ensuring user-friendly operation with variable speed adjustment according to specific requirements.



MOTOR

We facilitate user-friendly operation, which features two motors for Individual Winder Machines. Each engine is rated at 0.33 kW, 1400 RPM, with a voltage of 230, and operates at 50 Hz frequency.





Gear Drive

We facilitate a gear arrangement designed to change different micron specifications.



Set the Idler Slot system for Belt set up

Set the Mechanical Idler system for Belt set up and Gear Alignment

Gear Should be alignment with belt and also tightened accordingly

CORE SECTION

PP Core Should be slided smoothly on the shaft using Spring, Push PP Core gently.

PIC. 1: Lift up the lever & Slide / Insert Core

PIC. 2: Use Spring

PIC. 3: Push full core inside shaft & press down the lever to tighten the core



PIC. 1



PIC. 2



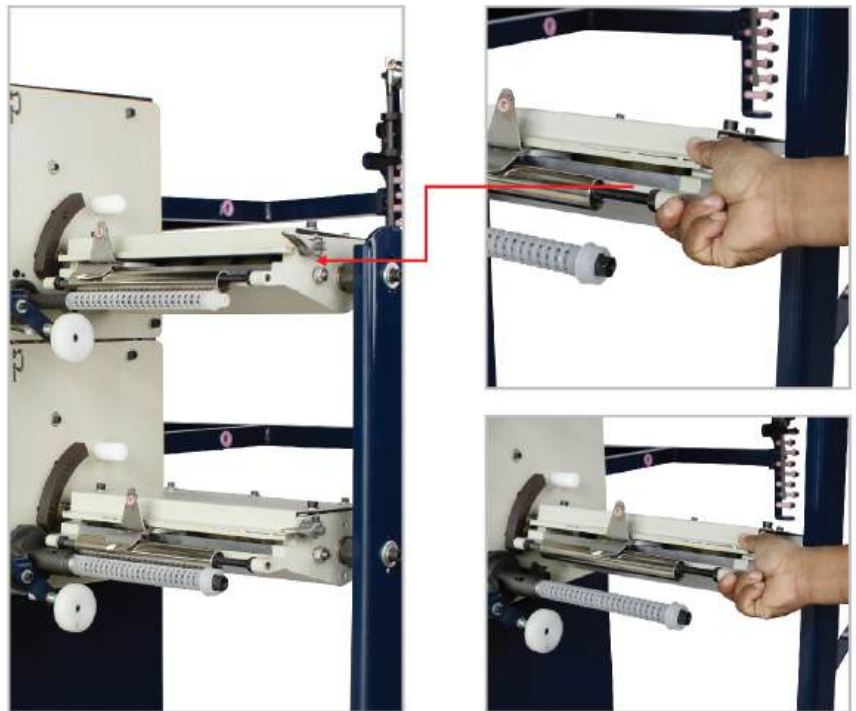
PIC. 3



Use the up/down controls to easily lift or lower the CAM box for convenient cartridge removal.

PIC. 1 : Given Button up/down to lift up/down CAM Box Easily to Remove Cartridge

PIC. 2 & PIC. 3 are just for reference to show how we can handle CAM box to Up/Down



CAM ADJUST SECTION

The CAM can be adjusted from left to right or right to left as needed when any side yarn is not filled properly. These adjustments involve two groups, indicated in blue, which can be released and then gently refitted after the CAM has been adjusted.



**Adjust CAM from
Right - Left / Left - Right**

**Grap Screw to
unlock / Lock CAM**

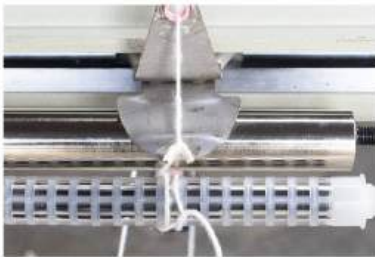
YARN GUIDE & CARTRIDGE OD SECTION

Put yarn on the Yarn Guide for proper winding and design, on PP Core for smooth operation.

PIC. 1



PIC. 2



PIC. 3



By adjusting this, one can achieve desire OD of the Cartridge, Proxy switch activated once OD is achieved.

YARN GUIDE TENSION SECTION

Place the yarn on the ceramic guide path to ensure proper tension, which is crucial for achieving the best results in cartridge design and winding. Yarn tension is the most important factor in obtaining optimal results.

Image showing different tension and yarn path. we can also design our own design as per requirement.



Adjust Round Black Button by motion to clock / anticlockwise to increase and decrease yarn tension.





Industrial Filtration

The INLINE filter cartridge winding machine is used to produce high-quality filter cartridges for various industrial applications, including chemical processing, oil and gas, and water treatment, ensuring effective removal of contaminants.



Pharmaceutical Manufacturing

In the pharmaceutical industry, this machine produces sterile and precise filters that are essential for maintaining the purity of healthcare products by adhering to stringent quality standards. Cartridge winding machine is used to produce high-quality filter cartridges for various industrial applications, including chemical processing, oil and gas, and water treatment, ensuring effective removal of contaminants.



Food and Beverage Processing

The machine is utilized to create filters that play a critical role in maintaining the safety and quality of food and beverage products by removing impurities and contaminants during production.




Automotive Industry

It is used to manufacture filters for automotive applications, such as oil, fuel, and air filters, which are vital for the efficient operation and longevity of vehicles.



Environmental Protection

The INLINE filter cartridge winding machine helps produce filters used in environmental protection systems, such as air and water purification systems, contributing to cleaner environments and healthier ecosystems.



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