

Application: Ideal for simple magnetic coils, instrument transformers, transformers up to 1000VA, inductors, spooling up to 5lbs, single-section coils, choke coils, and more.

Salient Features of ACME Coil Winding Machine:

Speed Control: Precision control allows for adjustments during the winding process using the speed knob.

Closed Loop Spindle Drive: Consistent maintenance of set speed on both no-load and full load through the closed-loop spindle drive.

Programmable Tapping: Enable various tapping options by programming; achieve up to 194 tapping configurations by cascading different programs.

Automatic Traverse Return: Upon completion of coil winding, automatic return of the traverse to the home position, resetting the turns counter for the next winding operation.

Real-time Data Display: Continuous monitoring of critical data, such as Program number, Total Turns, Coil Width, Wire Diameter, and Current Turns, on a 16X2 LCD during the winding operation.

Reset Options: Choose between two reset options: "System Reset" for resetting the entire system and "Counter Reset" for resetting the current turn counter and positioning the traverse for the next winding cycle.

Overload Protection: Equipped with overload protection to safeguard the drive and motor from overload situations caused by higher tension or the winding of thicker wires than the rated capacity. The machine automatically stops if the spindle faces difficulty rotating.

Selectable Layer Stop: A toggle switch provides a selectable layer stop feature, allowing the machine to halt at each layer. This facilitates the insertion of insulation paper for specific operations at each layer.

Selectable Start Position: Choose the starting position of the 1st turn, whether from the right side or left side of the coil.

Basic Parameters Programming: Program essential parameters—Program number, Total Turns, Winding Width in mm, and Wire Diameter in mm—for the precise winding of each coil.

Gradual Start and Slow Down: Ensure a smooth winding process by initiating a slow start to prevent braking of thinner wires. The machine automatically slows down before a few turns at the end of the winding, avoiding any extra winding.

Program Memory Bank: Access a user-programmable memory bank with the capacity to store 195 unique winding programs.

Single PCB Design: Featuring a single PCB design, the machine ensures reliability and ease of maintenance.

Absolute Counting: Utilize absolute counting, providing accurate wound turns without the need for a fixed point to sense the turns.

Controlled Motor Current: Enhance the longevity of the DC motor by implementing controlled motor current.

Timing Belt Drive: Employ a timing belt to prevent slippage, enabling the transfer of the full torque of the motor to the spindle. This design facilitates winding with higher tension and precision.

Regenerative Brake: Implement a regenerative brake system using the motor, generating higher braking torque at higher speeds and normal braking torque at low speeds.

Electronic Control: Leverage electronic control for most features, minimizing wear and tear of mechanical components.

SERVICES AVAILABLE

Technical Support | Installation and Setup | Maintenance | Application Support | Hardware Support | Guaranteed Warranty



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