

COIL WINDING

Programmable Winding Machine

MODEL AEX-01 and AEX-02

WIND SMPS AND SMALL TRANSFORMERS, WWR, IGNITION COILS, MULTISECTION COILS, INDUCTIVE COILS, ETC.

This high speed winding machine with durable and compact construction offers a wide LCD display for easy programming. Suitable for small to complex coils at speeds of up to 9000 RPM

FEATURES

Speed: Programmable in percentage. Speed can be changed while winding is in progress.

Parameters: All winding parameters are programmable.

Programming: Various menu items are easily programmed.

Wire pitch: Programmable in steps of 0.01 mm

Acceleration and Deceleration: Programmable in number of turns.

Turns Accuracy: 0.05 turns or in steps of 18 angular degrees.

Brake: Programmable double brake.

Turns: Up/Down counting with wire guide tracking.

Over Speed: Over speed indication to achieve high quality winding.

LayerStop: Programmable.

Manual Brake: Optional Manual activation of brake to allow holding of spindle.

Wire-Brake Stop: Machine stops if wire breaks.

Winding Direction: Programmable CW/CCW winding

Memory: 95 programs with individual 9 sections for each program.

Section Winding: Up to 9 sections for each program.

Traverse Offset Position: Programmable

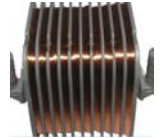
Traverse Home Position. Left or Right

Display. Continuous display of number of turns along with other data.

Tapping: Up to 9 taps can be programmed in each program.

Wire Guide: Fine adjustable wire guide for minor adjustment of starting position.

Power Supply: SMPS supply for logic circuit means continuous operation on wide range of voltages.



Wind from 50-20 AWG



MODEL AEX-01 OFFERS SINGLE SPINDLE
MODEL AEX-02 OFFERS DUAL SPINDLES

SPECIFICATIONS ON REVERSE SIDE

	AEX-01	AEX-02
WIRE DIAMETER	0.02-1.00 MM(.0008-.039 IN)	0.02-0.80 MM (.0008-.0314 IN)
WINDING WIDTH	100 MM (3.93 IN)	100 MM (3.93 IN)
BOBBIN DIAMETER	80 MM (3.14 IN)	80 MM (3.14 IN)
SPEED (MAX.)	9000	9000
DIMENSIONS W X D X H	425 X 350 X 620 MM (16.75 X 13.75 X 24.5 IN)	
CONTROL SYSTEM	16 BIT MICRO CONTROLLER	
DISPLAY	40 X 2 BACKLIT LCD	
PROGRAMMING	MENU DRIVEN PROGRAMMING SUCH AS RUN, ADD, MODIFY, COPY, DELETE, LIST	
MEMORY	95 WITH 9 SECTIONS	
ONLINE CORRECTION	LAYER STOP, BRAKE, WINDING WIDTH, WIRE DIAMETER, SPEED , SPINDLE LOCKING, GUIDE POSITION	
ANNUNCIATION	OVER SPEED, WIRE CUT, LAYER STOP, BRAKE	
COUNTING	UP/DOWN WITH WIRE GUIDE TRACKING	
SPINDLE POSITIONING	IN STEPS OF 18 DEGREES (0.05MM TURNS)	
PRODUCTION COUNTER	YES	
SPEED INDICATION	YES	
SECTION WINDING	UP TO 9 SECTIONS PER PROGRAM	
DUAL BRAKE TURNS	PROGRAMMABLE	
WINDING DIRECTION	PROGRAMMABLE CW/CCW	
WINDING TYPE	LAYER, SECTION, BIFILIAR, PYRAMID, TAPPING	
CONTINUOUS DISPLAY	PROGRAM NO., SECTION, SPEED, TOTAL TURNS, PITCH, WIDTH, OFFSET, ANGLE, SPEED, TURNS WOUND	
SPEED CONTROL	PWM CONTROLLED, PROGRAMMABLE	
ACCELERATION	PROGRAMMABLE, PARABOLIC SLOPE	
POWER SUPPLY	SMPS FOR WIDE OPERATING RANGE	
PROGRAM PARAMETERS	PROGRAM NO., SECTION, ACCELERATION TURNS, SPEED, ANGLE, OFFSET, TURNS, WIDTH, PITCH, DECELERATION TURNS, BRAKE TURNS, HOME POSITION, DIRECTION , SPINDLE LOCK, AUTO START	
OPTIONAL ACCESSORIES	TAIL STOCK, TAPE ATTACHMENT, GRADUATED TENSIONER	
APPLICATIONS	SMPS AND SMALL TRANSFORMERS, WWR, IGNITION COILS, MULTI SECTION COILS, INDUCTIVE COILS, ETC.	
MAIN MOTOR	0.25 HP DC	
TRAVERSE MOTOR	0.9 DEG. STEPPER MOTOR	
MAX. TURNS	65,535	
SUPPLY VOLTAGE	230 +/- 5% AC, 50 HZ 110 +/-10% AC, 60 HZ	
POWER CONSUMPTION	275 W	