

COIL WINDING

Programmable Winding Machine

MODEL AEH-01, AEH-11

WIND POWER TRANSFORMERS, INVERTERS, UPS, CVT, H.V.COILS, ETC.

This high speed winding machine is provided with a 16 Bit Microprocessor and stepper motor to wind up to 750 RPM. Speed, wire pitch, acceleration, number of turns, traversing parameters, are all easily programmed and setup is a quick process.

FEATURES

Speed: Variable with speed knob. 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. Automatic soft start.

Acceleration and Deceleration: Automatic soft start and stop.

Turns: Up/Down counting with wire guide tracking w.r.t. winding direction.

Production counter: Built in.

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

LayerStop: Programmable.

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

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

Section Winding: Up to 9 sections for each program.

Traverse Offset and Home positions.

Traverse tracking.

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

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

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



Wind 38-7 AWG WITH AEH-01, 32-5 AWG WITH AEH-11



MODEL AEH-01

SPECIFICATIONS ON REVERSE SIDE

	AEH-01	AEH-11
WIRE DIAMETER	0.1-3.5 MM(.0039-.138 IN) SIZE 38-7 AWG	0.2-5 MM (.0078-.196 IN) SIZE 32-5 AWG
WINDING WIDTH	250 MM (9.84 IN)	500 MM (19.68 IN)
BOBBIN DIAMETER	280 MM (11.02 IN)	500 MM (19.68 IN)
SPEED (MAX.)	750	500
DIMENSIONS W X D X H	890 X 400 X 370MM (35.25 X 15.75 X 14.5 IN)	1300X 600 X 450MM (51.25 X 23.65 X 17.75 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, LAYER STOP, BRAKE	
COUNTING	UP/DOWN WITH WIRE GUIDE TRACKING	
PRODUCTION COUNTER	YES	
SPEED INDICATION	YES	
SECTION WINDING	UP TO 9 SECTIONS PER PROGRAM	
WINDING DIRECTION	CCW	
WINDING TYPE	LAYER, SECTION, BIFILIAR, TAPPING	
CONTINUOUS DISPLAY	PROGRAM NO., SECTION, TOTAL TURNS, PITCH, WIDTH, TURNS WOUND	
SPEED CONTROL	AC VECTOR DRIVE CONTROL WITH SPEED KNOB	
ACCELERATION	LINEAR SLOPE	
PROGRAM PARAMETERS	PROGRAM NO., SECTION, OFFSET, WIDTH, TURNS, PITCH, DECELERATION TURNS, HOME POSITION, SPINDLE LOCK, LAYER END SLOW	
STANDARD ACCESSORIES	TAIL STOCK, WIRE STRAIGHTENER/WIRE GUIDE	
APPLICATIONS	POWER TRANSFORMERS, UPS, CVT, HV COILS, PT, ETC.	
	AEH-01	AEH-11
MAIN MOTOR	1 HP DC	3 HP AC
TRAVERSE MOTOR	0.9 DEG. STEPPER MOTOR	SERVO MOTOR WITH TAIL SCREW AND GUIDE WAY
MAX. TURNS	65,535	65,535
SUPPLY VOLTAGE	230 +/- 15% AC, 50 HZ 110 +/-10% AC, 60 HZ	440 +/- 10%, AC, 3 PH, 50 HZ WITH NEUTRAL 220V +/- 5% AC, 50 HZ
POWER CONSUMPTION	100/800 W	2500 W