

## Programmable Winding Machine : AE2X SERIES

### Application:

Suitable for SMPS transformers, RF/IF coils, solenoid coils, relay coils, multi-section coils, trigger coils, Telecom transformers, High turns/high production coils with quality winding, small transformers, IFT, etc.



**AE2X-1 SERIES**

Single Spindle Side Loading Machine



**AE2X-2 SERIES**

Double Spindle Side Loading Machine



**AE2X-4 SERIES**

Four Spindle Side Loading Machine





# ACME

Mechatronics, Inc.

Production Capability	AE2X-01	AE2X-02	AE2X-04
Wire Size upto ( in/ AWG)	0.06 inch/ 15 AWG	0.06 inch/ 17 AWG	0.06 inch/ 25 AWG
Winding Width (in)	6inch	5inch	3 inch
Bobbin Diameter (in)	5inch	4inch	3 inch
Speed in RPM (max)	6000/3000 RPM	5000/2000 RPM	5000/2000 RPM
<b>Technical Specification</b>			
Spindle Motor	0.5HP DC	0.5HP DC	0.5HP DC
Traverse Motor	0.9Deg. Stepping	0.9Deg. Stepping	0.9Deg. Stepping
Controller	16 Bit Microcontroller	16 Bit Microcontroller	16 Bit Microcontroller
Supply Voltage	220V + 5%Vac, 50-60Hz or 110 + 5%Vac, 50-60Hz		

<b>SALIENT FEATURES</b>	
Control System	16 Bit Micro Controller
Display	40 X 2 backlit LCD
Programming	Menu-driven programming like RUN, ADD, MODIFY, COPY, DELETE, LIST
Memory	100 with 9 section
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 Control	In steps of 18 degree (0.05 turns)
Production Counter	Yes
Speed Indication	Yes
Section Winding	Up to 9 section 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
Accelaration	Programmable, Parabolic slope
Power Supply	SMPS for wide operation range
Programmable Parameters	Program no., Section, Acceleration turns, Speed, Angle(degree) , Offset, Turns, Width, Pitch, Deceleration turns, Brake turns, Home position, Direction, Spindle lock, Auto start, End slow, Return home position
Accessories	Friction type tensioner, Wire guides, Wire cut sensor, Spool container with tensioner mounting stand
Applications	Magnetic Coils, Motor Coil, Transformers, Ignition coils, Multi section coils, etc.
Modification	For improving performance, company reserves the right to make changes without prior notice in specifications.



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