

## Programmable winding machine : AEE SERIES

Application: Suitable for miniature coils for proto typing, lab applications and low production.

### Features for AEE series winding machines

1. Speed: Programmable in percentage. Can be changed while winding is in progress.
2. Parameters: All winding parameters are programmable.
3. Programming: Various menu like RUN, ADD, MODIFY, COPY, DELETE, LIST for easy programming.
  - a. RUN : Will set the machine to wind specific program.
  - b. ADD : Used for adding new program.
  - c. MODIFY : Will modify single/few parameters in existing program.
  - d. COPY: Will copy one program to other program.
  - e. DELETE: Will delete existing program.
  - f. LIST: Will list the existing parameters of the specified program on LCD.
4. Wire pitch: Programmable in step of 0.01mm and can be modified while winding is in progress.
5. Acceleration: Programmable in no. of turns. Will reach set speed within specified acceleration turns.
6. Deceleration: Programmable in no. of turns.
7. Turns accuracy: 0.05 turns or in steps of 18 degree angular .
8. Stop angle: Programmable in terms of angular degree in steps of 18 degree.
9. Braking turns: Programmable in no. of turns(0-9) for highest accuracy.
10. Brake: Programmable double brake.
11. Turns: Up/Down counting with wire guide tracking w.r.t. winding direction.
12. Production counter: Built in production counter
13. RPM: Can be displayed.
14. OverSpeed: Over-speed indication to achieve quality winding.
15. LayerStop: Programmable layer stop option.
16. Manual Brake: Optional Manual activation of brake to allow holding of spindle.
17. Wire-Brake Stop: Machine stops on braking of wire.
18. Winding Direction: Programmable CW/CCW winding direction.
19. Memory: 99 programs with individual 9 sections for each program.
20. Section Winding: Upto 9 sections can be wound per coil.
21. Traverse Offset Position: Programmable in mm.
22. Traverse Home Position: Left or Right.
23. Display: Continuous display of no. of turns wound along with many other data's on 40X2 LCD.
24. Tapping: Upto 9 tappings can be programmed in each individual program.
25. Power Supply: SMPS supply for continuous operation on wide range of voltage.
26. Wire guide: Fine adjustable wire guide for minor adjustment of starting position.
27. Computer board: Single board for reliable operation.
28. Speed: Two options(7000/3000 r.p.m.) for maximum speed by 2 step pulley.
29. Audio Indication: On any key press and wire brake.
30. Tape: On initial applying tape on bobbin, the traverse does not move nor counter increments.
31. Options: Custom modifications for special applications.



### **ACME Mechatronics, Inc.**

11769 Westview Parkway,  
San Diego, CA 92126, USA.  
Phone: 858-935-7688 / 619-847-3010

E-mail: [sales@acmemechatronics.com](mailto:sales@acmemechatronics.com)  
URL: [www.acmemechatronics.com](http://www.acmemechatronics.com)