

## Automatic Antenna Embedding Machine

### Model: AEM-3000

#### Function:

1. The machine is mainly used for embedding the antenna on the Inlay sheet automatically.
2. PC control method with wide LCD ,which ensures stable and coordinated operation of the machine.
3. The routine of the antenna is prefinished in professional PC drawing software, and then the machine will perform antenna embedding according to the programmed routine through biaxial servo system.
4. Advance ultrasonic antenna embedding technology ensures the stable working of the machine, the whole operation is automatic.



#### Features:

1. Vacuum aspirating platform is used to absorb material for antenna embedding process, effectively ensure the accurate and smooth of the antenna embedding.
2. Adopt PC program control, dedicated PC drawing processing software to program the antenna embedding path. When different layouts and shapes of antennas embedding process is needed, Just use the software to draw the required antenna geometry and convert them to add paths. The whole operation is simple, intuitive and convenient.
3. Two sets of vacuum working platen are adopted, without need to stop the machine when the material is in the changeover. Each embedded group can work alone or together, with good flexibility and easy to choose.
4. The special working platen design is available to ensure that various sheet layout (3\*8, 6\*8, 8\*10 etc.) can be embedded in the same machine.
5. Designed for various antenna layer with different layouts .
6. Throughput: zigzag: 200UPH/tip. Contactless :300UPH/tip; (For reference.)
7. Wire reel: Servo Motor to control Z axis running, more stable and more convenient to adjust.
8. Option: Compatible with 2 kinds of wire spools(6KG&1KG) ;
9. Option: Sensor can inspect whether the wire is broken while production.

#### Specifications:

Item	Details	Item	Details
Dimension	L1650xW1450xH2000 mm	Weight	1300 kg
Power	AC220V, 50/60Hz, 3KW	Compressed Air	6kg/cm <sup>2</sup> , clean, dry and oil-free.
Accuracy	±0.1mm	Yield	99.5%
Speed	50-300UPH /1 head	Material	PVC,rPVC,PC,PETG etc.
Antenna	Φ0.08mm~0.15mm	Environment	Constant temperature 22°C, ±3°C, dry and dust free.

Notes: above specification is subject to change without prior notice due to continuous improvement.