Fully Auto Feeding&Wire Embedding Machine
Model：AFEM-3000（1V2）

Advantages:

1.Adding a auto-feeding system on Two sets of traditional wire embedding machines to cancel the operators.(1V2)
2.Auto-inspecting the wire broken.
3.Independent control the feeding system and the wire embedding machine.

Features:

1.The machine is mainly used for automatic wire embedding process in the Inlay production process. Automatic feeding,correction, wire embedding and collecting material, automatic continuous operation, no need for manual feeding one by one, which not only saves human resources but also improves production efficiency.
2.The equipment adopts feeding and receiving double transfer station to run continuously, which greatly reduces the feeding and receiving time and improves the production speed.
3.Vacuum processing table automatically cycle switching work, refueling without stopping, improve the efficiency of winding components.
4.The vacuum suction platform absorbs the material embedding wire, which effectively ensures the accuracy and flatness of the antenna embedding. The vacuum detection function can detect whether there is material on the vacuum plate or whether the suction material is firm. The vacuum plate size can be customized, and the layout size can be flexibly selected according to customer needs.
5.Automatic transfer adopts the pre-positioning mode, that is, the material is first transferred from the feeding box to the correction station, and then transferred to the vacuum plate for wiring processing after automatic positioning at the correction station. Pre-positioning has a double sheet detection function, which is convenient for compatible with a variety of layout production.
6.The machine automatic feeding and transfer , automatic receiving and transfer running in the same lead rail, compact design, space saving.Independent XY axis design is adopted for feeding and receiving, which facilitates the modification of positioning parameters and makes the placement more flexible.
7.When the embedding machine need to be maintained, while one is being maintained, the other can still work normally.

Specifications:

Item	Details	Item	Details
Dimension	L5600×W1740×H2450 mm	Weight	Around 3500Kg
Power	9kW	Power Supply	AC 220V 50/60Hz
Cutting accuracy	±0.2~0.3 mm	Compress Air	6 kgs/cm^2
Layout	3*8, 6*8, etc. (customized according to customer requirements)	Embedding Speed	10-25 s/antenna/Embedding Tip
Control Method	PLC+HMI	Position	Side + cylinder positioning

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

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