

## Fully Auto Contactless Inlay Production Line(Rotary)

Model: FCIPL-3000

### Functions:

The machine is used for fully automatic production of contactless Inlay, including auto feeding, module pick&-place, wire embedding, welding the module and the antenna together. Integrating the traditional three processes into one to save the labor cost.



### Features:

- 1. Auto feeding station:** there are 3 containers. Two of them are for uploading and downloading the material. One of them is for correcting the feeding position. The height of the container is about 20cm.
- 2. Pick & place station:** There are 8pcs heads to pick the module from the vibrating plate then put on the sheet. The OCR can recognize the module direction and the module position will automatically correct.
- 3. Wire embedding station:** There are 8pcs heads to embed the antenna on the sheet which rotated from the pick & place station.
- 4. Welding station:** There are 4pcs heads to weld the module with the antenna together on the sheet which rotated from the wire embedding station. The welding process adopts dual-pulse high-frequency inverter welding technology.
- 5. Auto feeding station:** The sheet will rotate back to the feeding station after welding. The automatic feeding and automatic material collection structures enable the automatic transfer and operation of products.
- 6.** The machine automatically cycles and switches operations among various work stations. There's no need to stop the machine when changing materials, eliminating the manual transfer process during production.
- 7. Option1:** The quantity of the heads and the size of the rotating table can be customized according to different layout.
- 8. Option2:** The machine can be upgraded with the functions of Inlay conduction testing, sheets collating and spot welding before lamination.

### Specifications:

Item	Details	Item	Details
Dimension	L3700×W3250×H1850 (mm)	Weight	3000 kg
Power Supply	AC380V, 50Hz	Rated Power	8 kW
Speed	2000–2200 sheets/h	Control System	PLC + Servo System
Layout	3×8, 4×8 (customizable)	Operator	1 person

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