IIГ PIOTEC

M2M CHIP PROGRAMMING MACHINE

Personalized Data Encoding Production Solution
for Small Batch M2M Chips

Beyond Smart Manufacturin

M2M CHIP PROGRAMMING MACHINE
DCP500

To meet customers' small batch orders and high specification safety requirements, our company has specially developed this equipment DCP500.

The DCP500 equipment has a simple structure, high operating accuracy, and complete functions. It can choose to use our data encoding function according to customer needs or be equipped with an external encoding kit to independently complete data encoding without passing through our equipment.

ADVANTAGES

01 | Flexible configuration, secure Personalized.

02 | High precision chip handling mechanism, capable of supporting a minimum of 2 * 2mm chip production.

03 | Supporting over ten packaging forms of intelligent devices such as QFN, DFN, SOP, VSOP, LQFP, etc., the production switching of chips with different specifications only takes 20 minutes.

04 | Fully support secondary development and meet various customized needs.
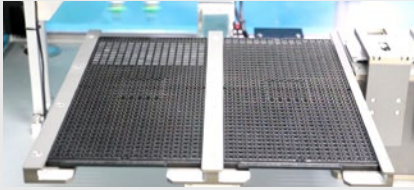Capable of supporting independent chip encoding systems for customers.

Application Scope

Personalized data sampling requirements for various chips in the M2M and eSIM fields of the IoT

Application Materials

More than ten packaging forms of intelligent devices such as QFN, DFN, SOP, VSOP, LQFP, etc

CONFIGURATIONS AND FUNCTIONS

Tray Input/Output Module

- Support tray input/output methods: Total two trays, one for input and the other one for output.

Feeder Input/Output Module

- Support tape input/output methods: support 12mm tape, can be extended to support 8mm, 16mm, 24mm. Compatible with tape rolls in 1000pcs and 3000pcs.

Chip transport module

- Configure 1 set of robotic arms for chip pick and placement.
  By using vacuum adsorption, the chip can be quickly and accurately transported to various workstations where it is located, which can avoid chip damage.

IC perso Module

- Standard configuration: 2 perso stations.
- Standard configuration: 2 PIOTEC contact single-head readers.
  Data Personalized can be performed on the chip through equipment software, support 7816, serial port, Bluetooth, SPI, and I2C protocols, support online chip replenishment function.

Chip direction recognition module

- Equipped with a set of 5 million pixel industrial camera (including light source).
  Identify the direction of the chip Mark point through the visual recognition System identification.

Chip turning module

- Configure 1 chip storage station.
  Without manual intervention, it can achieve automatic rotation of 90 ° forward, 90 ° reverse and 180 ° reverse, and adjust the chip direction as needed.

Reject Module

- Equipped with 1 reject boxes.
  Chips which fail to be encoded can be rejected automatically and stored in different categories to reduce material loss and labor costs.

THROUGHPUT TABLE

Max

| UPH | 0 | 100 | 200 | 300 | 400 | 500 | 600 |

TECHNICAL SPECIFICATION

DIMENSION	: 1210mm×930mm×1880mm（Excluding coil holder and alarm light)
WEIGHT	: 150kg
POWER SUPPLY	: AC220V(-5%~+10%), 50Hz, 0.5kW
NOISE	: <65dB
OPERATION TEMPERATURE	: 23℃±3℃
OPERATION HUMIDITY	: 50%±10%
COMPRESSED AIR	: 0.5Mpa，300L/min
COMMUNICATION INTERFACE	: Ethernet

PIOTEC

YOUTUBE   FACEBOOK   WEBSITE

CONTACT US

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