FPL6081

Flexible Perso Line

Flexible mass production solution for banking card personalization

Flexible configuration | **Mature technology** | **Compact and efficient**

Product Video

FPL6081

Flexible Perso Line

Materials before production:

Materials after production:

Thermal Printing

Embossing and Indenting
+
Topping

To meet the diversified design of banking cards and order volume, PIOTEC flexible personalization line FPL6081 was developed. Based on modular design , FPL6081 can be configured with function modules including magnetic encoding, contact IC encoding, contactless IC encoding, thermal printing, embossing and indenting, topping, optical visual verification & contact IC verification & contactless IC verification, the quantity for each module can be decided by customer's need.

Key Features & Advantages

Flexible configuration

▶ Based on modular design, FPL6081 can be configured as required, which makes the machine delivery as quick as possible.
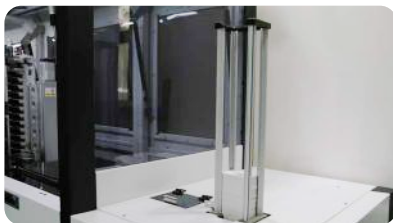
Mature technology

▶ Adopting mature personalization technology proven by the market for more than 10 years, ensures the machine's efficient and stable running.

Compact and efficien

▶ Compact and more resonable design makes smaller area occupied and maintenance easier. For the same area, more modules can be equipped intomachine, which makes higher throughput.

Configurations

Input Module:

•Standard configuration: 1 set of input magazine with maximum capacity of 500 cards.
•Extensible configuration: 1 set of OCR system to recognize card surface information and then extract perso data from the database.
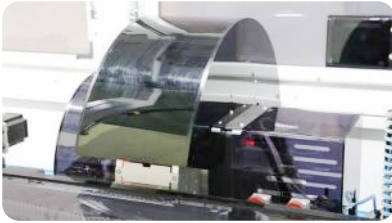∗Card tilt, chip absence and double-card detection can be executed.

Magnetic Encoding module:

•Equipped with 1 set of magnetic encoder comforming with ISO7811 which can encode track 1, 2, and 3.
∗All common ISO, AAMVA and JIS formats can be supported. HICO or LOCO can be setuped.

Contact IC perso Module:

•Standard configuration: 16 contact IC perso stations with 16 perso heads.
•Extensible configuration: 32 perso stations with 32 perso heads.
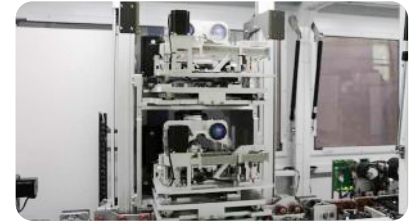∗ISO7816 protocols is supported.

Contactless IC perso Module:

•Standard configuration: 16 contactless IC perso stations with 16 perso heads.
•Extensible configuration: 32 perso stations with 32 perso heads ISO 14443A/B, MIFARE, ISO/IEC 15693, Felica protocols are supported,more protocols are customizable.
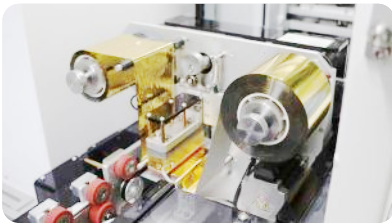
Thermal Printing Module：

•Equipped with 2 sets of monochrome thermal printing modules with resolution of 300DPI, more modules can be added on requirements.
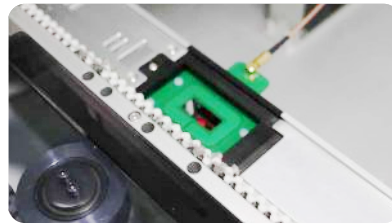*Image formats such as BMP, GIF, TIFF, PGN are available.

Embossing and Indenting Module:

•Equipped with 3 set of embossing and indenting character modules, more modules can be added on requirements.
*Character Plate Capacity: up to 120 characters.
*12 lines with 31 characters for each can be printed, and the character spacing is arbitrarily adjusted.

Topping Module:

*Golden and silver topping are supported.
*Ribbon breakage and margin detection can be executed.

QC Module:

•Equipped with 1 set of OCR verification module, 1 set of contact and 1 set of contactless verification module.
*Contact and contactless data can be read out and verified.
*Surface marked information can be recognized and verified .
*The light source can be setuped in the template, the color of the light source is variable, which can adapt to cards with various colors.
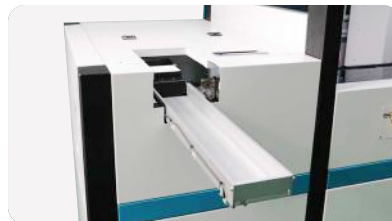
DOD Inkjet Module (optional):

•Equipped with 1 set of DOD inkjet module including 1 plasma unit , 1 DOD inkjet system, and 1 UV curing unit.
•1 more set of DOD module is extensible which makes double-sided speed up to 6000UPH.
*Black/white monochrome inkjet are supported and YMCK color inkjet is optional, maximum resolution is up to 1200DPI.
*Dual-side printing is supported. Single-sided printing speed is 6000UPH and double -sided printing speed is 3000UPH.

Laser Marking Module(Optional):

•Equipped with 1 set of 20W fiber laser.
•Equipped with 1 set of extractor.
*Characters (including Micro-text), bar codes, QR codes, machine readable codes, CLI/MLI, braille and high-quality gray images can be marked on the front and back of the card with a resolution of maximum 1600DPI.

Output Module:

•Equipped with 1 set of horizontal output magazine with maximum capacity of 600 cards.

Throughput

Input Module：	6000UPH
Magnetic Encoding module：	3000UPH
Contact IC perso Module(16 stations)：	5000UPH
Contactless IC perso Module(16 stations)：	5000UPH
Cleaning module：	3000UPH
Thermal Printing Module(2 sets)：	3000UPH
DOD Inkjet Module (optional)（2 sets)：	6000UPH
Embossing and Indenting Module(4 sets)：	2000UPH
Topping Module：	2500UPH
QC Module：	6000UPH
Output Module：	6000UPH

Technical Specification

Dimension：	6500mm×900mm×1900mm
Weight：	900kg
Power Supply：	220V(-5%～+10%), 50Hz, 7.5KW
Noise：	≤70dB
Operation Temperature：	23℃±3℃
Operation Humidity：	50±10%rh
Compressed Air：	Pressure: 0.5Mpa Flow: 350L/mi
Communication Interface：	Ethernet

Partners

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