FPL3000
Flexible Perso Line

Flexible mass production solution for smart card personalization

Flexible configuration | Mature technology | Compact band efficient

FLEXIBLE PERSO LINE
FPL3000

To meet the diverse designs of ID card, banking card and other kinds of card application, PIOTEC flexible personalization line FPL3000 was developed. Based on modular design , FPL3000 can be configured with function modules including magnetic encoding, contact IC encoding, contactless IC encoding, thermal printing, embossing and indenting, topping, DOD inkjet, laser engraving, 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, FPL3000 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 Efficient

▶ Compact and more reasonable design occupies a smaller area and maintenance easier. For the same area, more modules can be equipped into machine, which makes higher throughput.

Configurations

Input Module:

- Equipped with 2 sets of card input magazine, with a maximum capacity of 500 cards per magazine.
- Achieve automatic switching of card magazines, with chip detection function and dual card detection function.
- Set up a quick dismantling mechanism for easy maintenance.

Magnetic Encoding Module:

- Equipped with two magnetic heads, one with writing magnetic function and the other with reading function, 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 set up.

Contact/Contactless IC Perso Module:

- IC module contains 16 contact Perso stations and 8 contactless Perso stations.
- Equipped with 4 sets of four in one PIOTEC readers for the contact Perso module,

  Model: PT204PT, supports multiple standard protocols such as ISO7816.
- Equipped with 2 sets of four in one PIOTEC contactless readers for contactless Perso module,

  Model: PT1304N, supports multiple protocols such as ISO14443A/B, MIFARE, ISO/IEC 15693, Felica, etc.

DOD Inkjet Module:

- 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 is 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 Engraving Module:

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

Clean Module:

- Equipped with 2 cleaning rollers to perform double-sided cleaning on the card.

Thermal Printing Module:

- 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.
- Capable of detecting color ribbon breakage; Color ribbon remaining quantity alarm function.
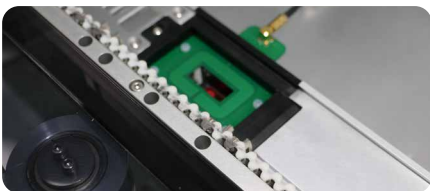

Embossing and Indenting Module:

- Support embossing and indenting character printing. Support indenting character printing on both sides
- Character Plate Capacity: up to 120 characters.
- The Character nails complies with the ISO standard for international credit card specific characters.
- Capable of detecting indenting character color ribbon breakage; indenting character Color ribbon remaining quantity alarm function.

Topping Module:

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

QC Module:

- Configure one contactless verification module to perform contactless IC verification on the card;
- Configure 1 set of PIOTEC contactless reader, Model: PT1301N, supports multiple protocols such as ISO14443A/B, MIFARE, ISO/IEC 15693, Felica, etc.

Output Module:

- Equipped with 2 sets of card output magazine, with a maximum capacity of 500 cards per magazine.

Throughput

| BY ADJUSTING THE CONFIGURATION MAX THROUGHPUT | ▶ 3000UPH |

Module 1set	MAX THROUGHPUT
Magnetic Encoding	3000
Contact / Contactless	3000
DOD Inkjet	3000
Embossing and Indenting	600
Thermal Printing	1500

Technical Specification

Dimension :	4470mm×650mm×1450mm
Weight :	1100Kg
Power Supply :	220V(-5%～+10%), 50Hz, 5KW
Noise :	≤65dB
Operation Temperature :	23±3℃
Operation Humidity :	50±10%rh

⚠ The equipment must be well grounded, ground resistance ≤4Ω.

EMBOSSING AND INDENTING
+
TOPPING

PERSONAL DATA - PRINTED
OR LASER ENGRAVED

DOD

GHOST IMAGE

LASER ENGRAVED

PIOTEC TECHNOLOGY

IDENTIFICATION CARD

Surname
LARDER
Given name
LISSA
Nationality
CHINA
Sex
F
Date of birth
01.01.2013
ID NO.
C1234567890
Date of expire
31.12.2030
Signature of bearer
Lissa Larder

PT

LISSA LARDER

ID NO.
C1234567890
Issuring Place
LIAONING

I<CHNC12345678901<<<<<<<<<<
1301018F2212316CHN<<<<<<<<<<
LISSA<<LARDER<<<<<<<<<<<<<<<

LASER ENGRAVED
MICRO-TEXT

CLI/MLI

TACTILE
EFFECTS

PIOTEC

SAMPLE CARD
3759 8765432 21001
Valid Thru 02/23
Piotec Pay

DOD PRINTING

PIOTEC

SAMPLE CARD
2200 6004 0000 2529
12/25
Piotec Pay

EMBOSSING AND INDENTING
+
TOPPING

PIOTEC

YOUTUBE   FACEBOOK   WEBSITE

CONTACT US

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