License Plate Personalisation Machines

IPM – Intelligent Personalisation Machine

Smart. Secure. Built for compliance at Scale.

FTA offers an intelligent, combo design for license plate personalization, combining hydraulic press and hot stamping operations in a single unit. Two operators can perform embossing and hot stamping activities simultaneously and independently, significantly reducing space requirement and enhancing systematic operative efficiency.



Characteristics:

- Secure authorized access with login options via User ID, RFID or biometric authentication.
- Real-time inventory management with complete traceability.
- Electronic transmission of work order for seamless, paperless and efficient processing.
- NFC-enabled intelligent embossing operation enables controlled and validated embossing, preventing rejection, wastage, and misuse.
- Allows embossing of only correct combination of colour, size and registration, auto-restricting any incorrect combination.
- RGB based calibration for accurate colour detection across various location and lighting conditions ensuring consistent and uniform quality.
- Integrated Hot stamping unit delivers a perfect finish in one go.

Key Features:

- **Faster production**
- **Lower rejection rates**
- **Complete traceability**
- **Higher compliance confidence**
- **Ergonomic design for operator comfort and ease of use**
- **Robust and minimal maintenance**
- **User-friendly interface**

Technical Specifications

Dimensions (mm)	1300L X 730W X 1740H
Embossing Platform (mm)	570X170
Operating Voltage	230V / 50HZ / 1Phase
Oil Capacity	15 ltr. (Hydraulic 68)
Weight (approx..)	375 Kg
Heater	3 Infrared Ceramic 500W
Motor	1 HP, Single Phase 230V
Embossing Force	25T (250 kN)
Interface	IOT / Cloud
Operation	Semi-Automatic