

Automated License Plate Production Line

FTA offers uniquely engineered, computer-operated, and sensor-monitored production lines designed for manufacturing blank licence plates of varying sizes. Built in accordance with the latest industry standards for data interchange and factory automation, this cutting-edge system ensures efficiency, reliability, and precision.

The production line is designed for minimal maintenance and simple setup, delivering consistent performance in real-world operational environments.

Optional modules such as a **preheating oven for aluminium strips** and other customized add-ons can be incorporated to meet specific production or regulatory requirements.

By combining multiple advanced technologies and layered security techniques, FTA's production line can be fully customized to comply with the regulatory standards of any region or country worldwide.

The standard production configuration includes:

- **De-coiler and Straightener to unwind and feed the aluminium strip smoothly from the coil**
- **Laminator to apply high-quality retro-reflective film**
- **Punching Machine to cut blanks and emboss plate edges with precision**

Depending on project requirements, additional intermediate stations can be integrated to incorporate enhanced security features such as:

- **Hologram stamping**
- **Laser etching of unique alphanumeric codes**
- **Barcode and QR code engraving**
- **Advanced traceability markings**

Technical Specifications	
Capacity	Upto 80 Plates per minute
Length	15 m (standard)
Width	4 m
Max Laminating Width	300 mm
Max Roll of Foil Length	900 m
Max Weight of Pallet with Aluminum	2000 kg
Max Diameter of Aluminum Coil	13600 mm
Max Press Force	63 T (630 kN)
Power Supply	3~400 V/50 Hz
Average Power Consumption	12kW

Key Features
● HMI & PLC based operations
● Hydraulic overload safety
● Motorized slide adjustment for die height
● Dual solenoid valve
● Automatic pneumatic balancing system
● Motorized grease lubrication system for cleaner operations
● Slide knockout device
● Encoder-based programmable ECAMS
● Anti-repeat safety device
● Anti-vibration pad
● Safety curtain for operator safety



License Plate Production Line: Standard Components

