

## *ALS-100 Ampoule Serialization Station*



Ampoules in cylindrical form; are used as the primary packaging for vaccines and products that can be injected. Ampoules, especially used in the pharmaceutical and cosmetic industries, usually contain liquid or lyophilized systems. The ampoule serialization process is at high speeds due to the small package diameters. The industry's focus on quality production reveals the need for precision and continuous high-speed serial operations.

With the VISIOTT TPS Ampoule Serialization Station, you can perform your serialization operations at high speed and with high quality for the ampule-type packaging, which is frequently used in industries such as pharmaceuticals and cosmetics. With its special design, VISIOTT TPS's Ampoule Serialization Station simplifies the serialization process by coding up to 400 ampoules per minute with high precision in a star wheel format for different-sized ampoules.

First of all, the rings characterizing the product content are checked. After the ring control, the serialization process takes place. After serialization, the position of the label is checked with a high-resolution camera while the line is in motion. Ampoules with false labels are automatically and gently removed from the line. Designed with a transparent protection area for operator and operational safety, ALS-100 performs serialization implementation in GS1 standards in accordance with global product traceability regulations. The high-resolution printer on the serialization system can easily apply the production-expiration date, lot and serial number information on the label.

### **Features**

- It has customizable input and output conveyor
- It can provide serialization of up to 400(\*) ampoules per minute.
- It can manage Ring Control.
- Verifies human-readable text with OCR / OCV technology.
- It has servo motor controlled star wheel.
- Operates offline.
- User-friendly interface with a touchscreen monitor.
- GMP, GAMP 5, and 21 CFR Part 11 compliant.

(\*) Speed may vary depending on vial size and label template.

## Technical Details

Print Technology	TIJ, Lazer, CIJ, TT
Printing Resolution (max)	1600 x 1200 px
Capacity (max)	400 pcs/min
Ring Control	Yes
Voltage / Frequency	110 V / 220 V / 50 - 60 Hz
Dimensions (WxLxH)	2070 x 2020 x 2400 mm
Material	Stainless Steel