



洗瓶機 Rinsing → 充填機 Filling → 鎖蓋機 Capping → 貼標機 Labeling

## T&G 整廠輸出 / 生產線規劃 / 包裝設備整合

### Turnkey Solutions / Production Line / Packaging Machinery Integration

#### 適用範圍

- 全新的生產線：包裝機械規劃與設計。
- 既有的生產線：包裝設備整合與改善。
- 依不同瓶型及產能速度，量身打造最符合需求的包裝方案。
- 因應「少量多樣」的生產需求，提供省成本解決方案。

#### 特色介紹

- 洗瓶機：氣洗式與水洗式兩種洗瓶方式可供選擇。
- 充填機：依照液體特性與容量，搭配不同的充填方式。
- 鎖蓋機：一般圓蓋或特殊造型蓋形皆有適合之鎖蓋機型。
- 貼標機：擁有各類型貼標機，可依產品的外觀、材質、標籤尺寸以及貼標位置，推薦適合機型。
- 液體接觸面主要採用高規格之「316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍」；機台主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥等各行業生產規範。
- 大多數機型採用「日本三菱 PLC」，搭配日本富士彩色人機觸控螢幕，數位化的控制系統可精準輸入設定值，直覺式操作最方便。
- 多數機型採用「伺服馬達」，時間與速度之各項設定值可直接從人機螢幕上輸入，不僅設定準確度大幅提高，人性化操作方式更省時省力，改善了傳統氣缸調整不易的缺點。

#### 機台規格

生產線尺寸	10000(長) x 1100(寬) x 2750(高) mm
生產線產能	約 20 ~ 60 瓶 / 每分鐘 (依產品與機型不同而變化)
選配項目	(1) 自動進瓶 / 收瓶轉盤 (圓瓶專用) (2) 自動下蓋系統 (3) 機台安全外罩 (4) 各式印字設備 (熱燙印字機 / 熱轉印機 / 噴印機...) (5) 快速運動式輸送帶護欄

#### Field of Application

- New production line: Turnkey solutions with professional consultancy.
- Original production line: Integration and improvement for existing machines.
- Customized projects according to various products and requirements.
- Cost-saving solutions for small-volume production of wide range of products.

#### Features

- Rinser: Air-rinsing and Water-rinsing are available.
- Filler: Apply suitable filling methods for different properties and volume of liquids.
- Capper: For common round screw caps and many kinds of cap type.
- Labeler: Many labeling models are applicable for various products with different shapes, materials, label sizes and labeling position.
- Liquid contact parts are made of 316L stainless steel, food grade silicone tube / wire hose, Teflon, main structure is made of #304 stainless steel and aluminum alloy meet high sanitary demands for food and pharmaceutical industries.
- Japan Mitsubishi PLC and color touch screen (HMI) are applied for most models. Digitalized control system provides precise setting and operation conveniently.
- Servomotors are used for many models, time and speed settings can be entered from touch screen. It's not only offering high accuracy, but reducing much time and cost of complicated adjustments and operation compared with a traditional air cylinder.

#### Specifications

Machine Dimension	10000(L) x 1100(W) x 2750(H) mm (Based on this production line, for reference only)
Production Capacity	About 20 ~ 60 PCS / per minute
Optional Item	(1) Automatic bottle feeding / collection turntable (only for round bottles) (2) Automatic cap feeding system (3) Machine safety cover (4) Printer (Hot stamping / Heat transfer / Inkjet...) (5) Quick interlocking conveyor guide rail