

貼標
充填
鎖蓋
洗瓶
分張
光學檢測
鋁箔封口
測漏
面膜整平
印字設備
快速連動護欄系統
整廠輸出



T&G 膠囊 / 藥錠自動包裝產線

適用範圍

- 適用生技保健食品、藥品...等。
- 塑膠瓶、玻璃瓶，瓶型 & 瓶器材質不受限制。

特色介紹

- 進瓶 / 收瓶轉盤：依需求可選配，減少人力成本。
- 洗瓶機：採用「氣洗式」清洗，伺服馬達夾瓶翻轉機構，搭配靜電消除器，清洗效果佳，並可依客戶需求 & 產能客製化清洗頭數。
- 數粒機：一般膠囊 / 透明膠囊 / 軟膠囊 / 藥錠自動計量並填充。
- 圓柱乾燥劑塞入機：乾燥劑自動填塞，比起人工投料，更準確、不漏料。
- 膠膜塞入機：依不同填充量，設定膠膜塞入量，可避免於運送時膠囊 / 藥錠碰撞而損傷。
- 鎖蓋機：已成型牙蓋或特殊蓋型，皆有適用之鎖蓋型式。
- 鋁箔封口機：採非接觸式電磁感應線圈，封口快速，封口品質高。適用瓶口直徑 \varnothing 20 ~ 120 mm。
- 噴印系統：可於瓶底噴印製造日期 / 有效期限 / 批號 .. 等，多家廠牌噴印機皆可搭配。
- 貼標機：可依不同產品外觀、材質、標籤尺寸及貼標位置，推薦合適機型。
- 大多數機型採用「日本三菱 PLC」，搭配日本富士 7 吋彩色人機觸控螢幕，直覺式操作最方便。
- 大多數機型採用「伺服馬達」，調整數值可從人機螢幕上直接輸入，改善傳統採用氣缸時調整不易的缺點。
- 使用者友善介面：快拆模組與多種免工具調整設計，換線快速。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆設定。
- 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。

機台規格

生產線尺寸	11500(長) x 4000(寬) x 2300(高) mm
生產線產能	約 20 ~ 30 瓶 / 每分鐘 (依產品與機型不同而變化)
選配項目	(1) 自動進瓶轉盤 (適用圓瓶) / 自動收瓶轉盤 (不限瓶型) (2) 藥錠 NG 檢測系統 (可檢測破碎藥錠) (3) 秤重 & 剔除系統 (可檢測充填重量不足並剔除不良品) (4) 袋式乾燥劑塞入機 (5) 膠膜檢測系統 (可檢測「無膠膜 / 缺料」，或「膠膜凸出」，並自動剔除不良品) (6) 自動下蓋系統 (7) 鋁箔檢知裝置 (可檢測無鋁箔並發出警告聲，並自動剔除不良品) (8) 各式印字設備 (熱燙印字機 / 熱轉印機 / 噴印機...) (9) 機台安全外罩

自動膠膜
塞入系統
Plastic film
inserting system

自動圓柱乾燥劑
塞入系統
Desiccant capsules
inserting system

自動數粒機
Pills / Capsules counting
& filling system

自動洗瓶機 (氣洗)
Bottle air rinsing machine

進瓶轉盤
Feeding turntable



鋁箔封口機
Foil Sealer

鎖蓋機
Capper

膠膜塞入機
Film Inserter

乾燥劑塞入機
Desiccant Inserter

數粒機
Counter

洗瓶機
Rinser

進瓶轉盤
Feeding

T&G Automatic Capsules / Pills Packaging Line

Field of Application

- For health supplements, nutritional supplements, drugs,... etc.
- A wide range of Plastic / Glass bottles, bottle shape & material are applicable.

Features

- Bottle feeding / collection turntable: Optional item for reducing manual cost.
- Rinser: Air-rinsing type with 'Servomotor Bottle Clamp Rotation Device' and 'Electrostatic Elimination Air Blowing Device' provide the excellent cleaning efficiency. Rinsing nozzles are customizable according to client's requirement & production volume.
- Counter: Common capsules / Transparent capsules / Soft capsules / Pills count and fill automatically
- Desiccant capsules inserter: Feed desiccant capsules into bottles more accurately and without omitting compares to feed manually.
- Plastic film inserter: Insert plastic film into bottle automatically for preventing pills / capsules being defective while transportation.
Film cutting length can be set according to different filling volume of pills / capsules.
- Capper: Different types of capping method for threaded screw caps or special design of caps.
- Aluminum foil sealer: Non-contact induction coil is suitable for bottle diameter of $\varnothing 20 \sim 120$ mm.
- Printing system: A wide range of printer brands can be combined for printing MFG Date / EXP Date / Batch No...etc.
- Labeler: Many labeling models are applicable to suit various products with different shapes, materials, label sizes and labeling position.
- Japan Mitsubishi PLC and 7" color touch screen (HMI) are used for most models.
- Servomotors are used on most models, parameter adjustments can be entered on touch screen directly.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Main structure is made of SUS#304 stainless steel and aluminum alloy, meet high sanitary demands for food and pharmaceutical industries.

Specifications

Machine Dimension	11500(L) x 4000(W) x 2300(H) mm
Production Capacity	About 20 ~ 30 PCS / per minute (Capacity varies based on different products and machine models)
Optional Item	(1) Feeding turntable (for round bottle only) / Collection turntable (for any shapes of bottle) (2) Defective pills detection system (for broken pills detection) (3) Check weigher & Rejection device (for checking filling weight & reject weight-shortage products) (4) Desiccant inserter (5) Plastic film inspection system (for 'no-film' or 'overtop-film' defective item inspection and rejection) (6) Automatic cap feeding system (7) No-foil detection system (automatic buzzer alarm & bottle without foil rejection) (8) Printers (Hot Stamping / Thermal Transfer Printer / Inkjet Printer) (9) Machine safety cover