

# T&G<sup>®</sup>

## 鈦準包裝機械有限公司

T&G Packing Machine Co., Ltd.



洗瓶機  
Rinsing  
Machine



充填機  
Filling  
Machine



貼標機  
Labeling  
Machine



鎖蓋機  
Capping  
Machine



分張機  
Friction  
Feeder

T&G<sup>®</sup>

PRODUCT CATALOGUE

*Think CREATIVE    Make SIMPLE*

顛覆傳統    創新思維



不滿足最好  
Till good is better

只追求更好  
but better best

	特色 Features	優點 Advantages
<b>機台架構</b> Main structure	主要結構：#304 不鏽鋼 Stainless steel #304 液體接觸面：#316 不鏽鋼 Liquid contact part #316	堅固耐用、衛生等級高 Long durability / High sanitary grade
<b>PLC 控制系統</b> PLC system	 三菱（日本品牌） Mitsubishi (Japanese brand)	數位化精密設定與調整 Digital setting & adjusting
<b>感測器 / 電眼</b> Sensor	 西克（德國品牌） (German brand)	感應準確 Accurate performance
<b>馬達</b> Motor	伺服馬達（多數機型） Servomotor (most models)	控制精準易校正 Precise control / Easy adjustment
<b>操作介面</b> Interface	彩色觸控人機螢幕（多數機型） Color touch panel (most models)	直覺化操作易上手 Intuitive operation
<b>產地</b> Origin	MIT 台灣研發與製造 Made in Taiwan	創新設計、功能強大、品質卓越 Innovation design / Brilliant quality

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Automatic Side-wrap Capping Machine + Cap Feeding System (with Twin servomotors)
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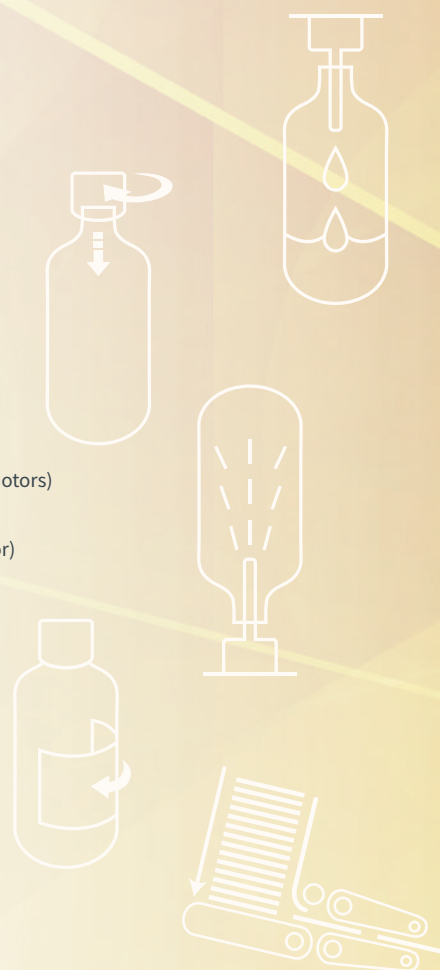
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Turnkey Solutions / Production Line / Packaging Machinery Integration



# 公司簡介

**T&G 鈦準** 是由一群認真、專業、包裝機產業深耕多年的夥伴，抱持著提供客戶更佳選擇的初衷，所創立的台灣包裝機械品牌。

以「產品創新與操作容易」為設計出發點、秉持化繁為簡與持續改善的信念，推出一系列品質優越的包裝機械設備。T&G 的多項產品「取得專利」，堅持採用台灣製與知名大廠的零組件，機台堅固耐用壽命長，擁有高效能的產出，更提供完善貼心的售後服務。T&G 團隊秉持著多年的包裝機經驗，協助客戶「整廠規劃」並整合各類型包裝設備，更擁有「客製化機種」的能力，提供最精準的建議，推薦最適合的機型。

從研發到生產，全程台灣製造 MIT。大多數產品的核心機構零件，皆以「自有的 CNC 車銑加工機具」所生產，一條龍式的垂直整合零件加工與機台製造，更能維持產品的品質及交期。T&G 努力發掘市面上包裝機械的缺點，用心改良解決許多操作不便與包裝品質不佳的問題，我們有信心讓客戶認為「T&G 的機台操作非常順手好用，買得很值得！」

「用心、專心、細心、誠心、良心」的五「心」級理念，使 T&G 獲得極高的客戶滿意度與忠誠度，備受肯定與支持。



T&G 鈦準 包裝機械的最佳選擇

# *About us*

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**T&G**<sup>®</sup> was founded by a diligent and professional team which has been in packaging industry for years. T&G is a Taiwanese packaging machinery brand, our goal is to provide better choices for customers.

*Our mission is to design innovational packing machines with user-friendly interface. Always try to simplify operation and keep improvement, T&G has a series of high-quality products. Using Taiwan-made and famous brands for spare parts in order to make durable products with stable performance and high production efficiency. Furthermore, we continue to offer the brilliant service to satisfy every customer. Based on a great deal of experience in packaging machinery, we're glad to provide professional advice for turnkey solutions and packing equipment integration. Customized machines are also available if required.*

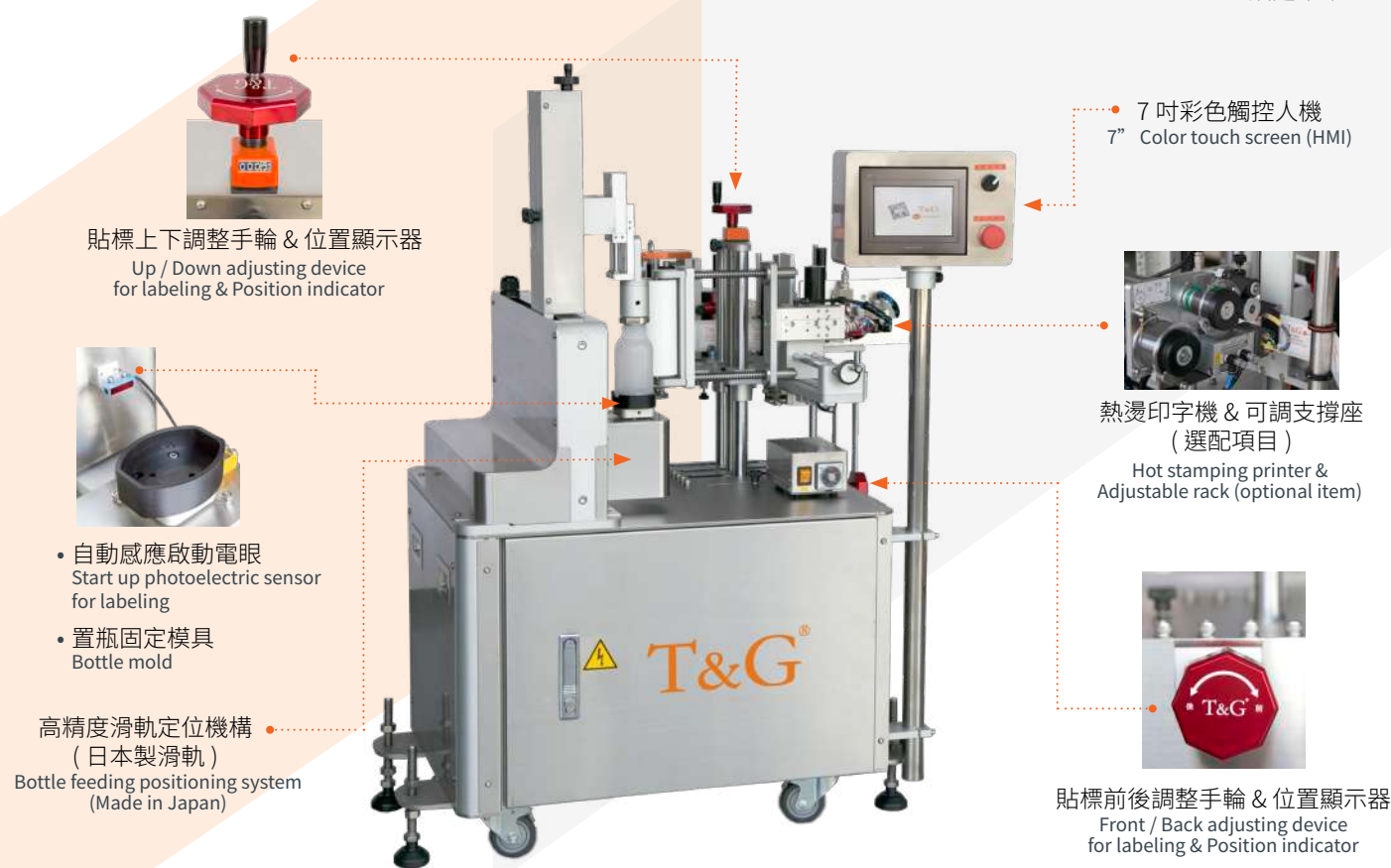
*All production procedures are proceeded in Taiwan from R&D to assembly. Most important machine components are made by our own CNC lathe and milling machine. Spare parts processing and machine producing combined to be a vertical integration. One-stop service assures the best product quality and less production time. T&G found many machine weaknesses in the market, so put much effort to improve those inconvenient design and poor operation. We have the confidence to make clients think "T&G packing machines are very user-friendly, well worth it!"*

*As holding "elaborate, concentrated, careful, sincere, conscientious" business philosophy, we have earned a lot of satisfaction and recognition from loyal customers.*

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***T&G, the best choice of packing machines!***

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貼標上下調整手輪 & 位置顯示器  
Up / Down adjusting device for labeling & Position indicator



自動感應啟動電眼  
Start up photoelectric sensor for labeling

置瓶固定模具  
Bottle mold

高精度滑軌定位機構  
(日本製滑軌)  
Bottle feeding positioning system  
(Made in Japan)

7吋彩色觸控人機  
7" Color touch screen (HMI)



熱燙印字機 & 可調支撐座  
(選配項目)  
Hot stamping printer & Adjustable rack (optional item)



貼標前後調整手輪 & 位置顯示器  
Front / Back adjusting device for labeling & Position indicator

## LA-305 半自動複合式瓶罐貼標機 (萬用型 / 專利產品)

Semi-automatic Multi-shaped Bottle Labeling Machine (Universal type / Patent product)

### 適用範圍

- 「方瓶、扁瓶、橢圓瓶」之單面或雙面貼標。
- 「圓瓶、多角瓶」之全繞、半繞、單張或雙張貼標。
- 適合多種標籤尺寸，亦適用透明標籤。
- 通用各種材質與不同尺寸之瓶罐：塑膠瓶、玻璃瓶、金屬瓶。
- 最適合產品瓶型多樣化，但每日產量不高的貼標需求。

### 特色介紹

- 一機即可完成所有瓶型之貼標，不同瓶型只需更換模具。
- 創新的「進瓶定位系統」，搭配出標系統的步進馬達，貼標精準度極高，可達 ± 0.5mm。
- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡易。
- 便利手輪裝置搭配德國品牌之位置顯示器，可精確調整貼標位置且輕鬆不費力。
- 內建 50 組記憶模組，適合生產多種產品，不需重複輸入設定。
- 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。
- 兩種啟動模式：可任選「腳踏開關」或「電眼自動感應」啟動。

### 機台規格

機台尺寸	1100(長) x 1150(寬) x 1330(高) mm
動力需求	電壓 220V，頻率 60Hz，單相，視在功率 220VA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
適用標籤高度	(A型)10~100 (B型)10~150 (C型)10~200 mm
適用標籤長度	50 ~ 300 mm
機台產能	約 6 ~ 12 瓶 / 每分鐘
貼標精度	± 0.5 mm
印字設備 (選配)	(1) 熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 內含可調整支撐座) (2) 數位全彩標籤列印機 (即印即貼整張標籤 / 300 dpi 超高列印解析度)

### Field of Application

- Flat, square and oval bottles which need one label or two labels.
- Round, hexagon and octagonal bottles which need full, partial wrap-around label with one label or two labels (front + back label).
- A wide range of label size, transparent labels are also applicable.
- Most material of bottles: Plastic, glass and metal...
- Various bottle shapes and dimensions but small-volume daily production.

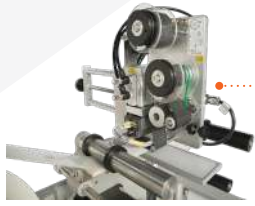
### Features

- Apply to various bottle shapes by simply replacing mold of different bottles.
- Innovational "Bottle feeding positioning system" with "Stepper motor" in labeling system offers excellent labeling precision ± 0.5 mm.
- Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Adjust and record the labeling position conveniently and precisely by a hand-wheel device combined with position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Two labeling start-up modes: by Foot switch or Photoelectric sensor

### Specifications

Machine Dimension	1100 (L) x 1150 (W) x 1330 (H) mm
Power Requirement	220V, 60Hz, 1 Phase, 220VA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	50 ~ 300 mm
Production Capacity	Around 6 ~ 12 PCS / per minute
Labeling Precision	± 0.5 mm
Printers (optional item)	(1) Hot Stamping / Heat Transfer / Inkjet (for Date, Batch no., Barcode / Support rack included) (2) Digital Color Label Printing (Print & Apply / Print resolution 300 dpi)



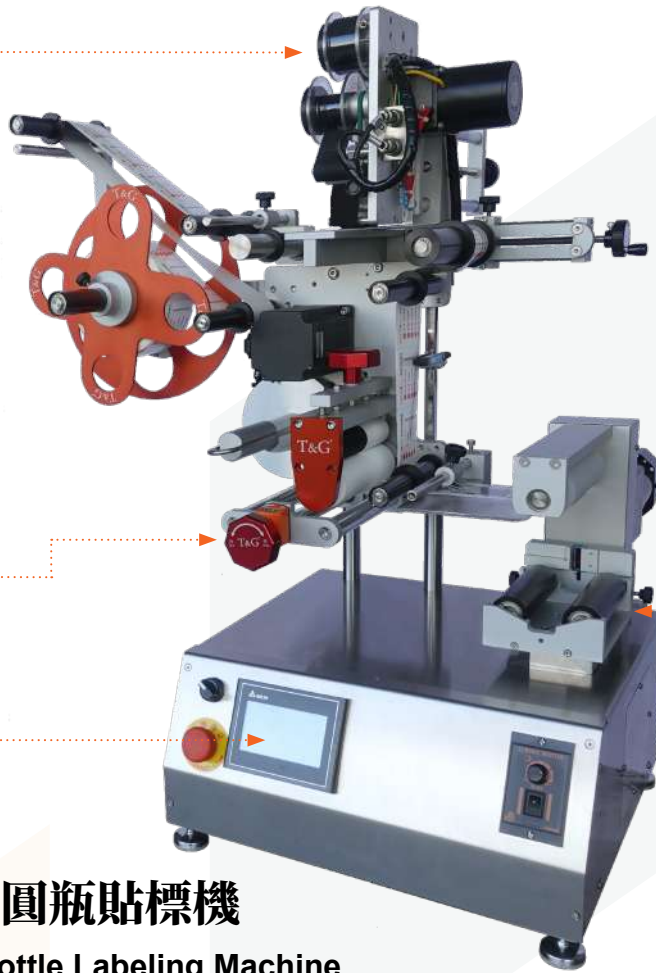


熱燙印字機 & 可調支撐座  
(選配項目)  
Hot stamping printer & Adjustable support rack (optional item)



便利調整手輪 & 位置顯示器  
Convenient position adjusting device & Position indicator

4.3 吋彩色人機觸控螢幕  
4.3" Color touch screen (HMI)



卡匣式噴印字機 & 可調支撐座  
(選配項目)  
Inkjet printer & Adjustable support rack (optional item)



軟管貼標模具 & 貼標定位電眼  
(選配項目)  
Tube mold & Label positioning sensor (optional items)



自動感應啟動電眼 & 快速調整扶瓶滾輪座  
Labeling start-up sensor & Quick-changeover bottle holder

## LA-255 半自動圓瓶貼標機

### Semi-automatic Round Bottle Labeling Machine

#### 適用範圍

- 圓瓶之單張全繞貼、半繞貼或連續出標 2 張 (正標 + 背標)。
- 適用多種標籤尺寸, 亦適用透明標籤。
- 通用各材質且多種尺寸之圓瓶: 塑膠瓶、玻璃瓶、金屬瓶。
- 最適合每日產量不高、有多種圓瓶瓶型的生產需求。

#### 特色介紹

- 日本三菱 PLC, 搭配 4.3 吋彩色人機觸控螢幕, 操作簡易。
- 定點式環繞貼標, 確保標籤兩端完美對齊、不皺摺不歪斜。
- 出標系統採用步進馬達, 貼標精準度高, 易於校正控制。
- 便利手輪裝置搭配位置顯示器, 輕鬆調整與記錄貼標位置。
- 內建 50 組記憶模組, 適合生產多種產品, 不需重覆輸入設定。
- 使用者友善介面: 快拆模組與多數免工具調整設計, 換線快速。
- 兩種啟動模式: 任選「腳踏開關」或「電眼自動感應」啟動。

#### 機台規格

機台尺寸	880(長) x 544(寬) x 960(高) mm
動力需求	電壓 110V, 頻率 50/60Hz, 單相, 視在功率 120VA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
適用標籤高度	(A 型)10~100 (B 型)10~150 (C 型)10~200 mm (D 型)10~250 mm
適用標籤長度	10 ~ 300 mm
機台產能	約 10 ~ 20 瓶 / 每分鐘
貼標精度	± 1.0 mm
選配項目	(1) 熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座) (2) 工作台車 (桌面 #304 不鏽鋼 / 附腳輪)

#### Field of Application

- 1 label of full and partial wrap-around or continuous 2 labels as front & back label for round bottles.
- A wide range of label sizes, also applicable for transparent labels.
- Various round bottle dimensions & material: Plastic, glass & metal bottles.
- Small-volume production with many kinds of round bottles.

#### Features

- Japan Mitsubishi PLC and 4.3" color touch screen (HMI) provide convenient operation.
- Positioning wrap-around labeling ensures 2 ends of label to be aligned perfectly.
- Stepper motor in labeling system offers the high labeling precision.
- Adjust and record the labeling position conveniently by a hand-wheel device combined with a position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Two labeling start-up modes: by Foot switch or Photoelectric sensor.

#### Specifications

Machine Dimension	880(L) x 544(W) x 960(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 120VA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm (D) 10~250 mm
Applicable Label Length	10 ~ 300 mm
Production Capacity	About 10 ~ 20 PCS / per minute
Labeling Precision	± 1.0 mm
Optional Item	(1) Hot Stamping / Heat Transfer / Inkjet Printer (for Date, Batch no., Barcode / Support rack included) (2) Working table (Desktop #304 stainless steel / Castors attached)

貼標便利調整手輪  
& 位置顯示器  
Convenient adjusting  
device for labeling  
& Position indicator

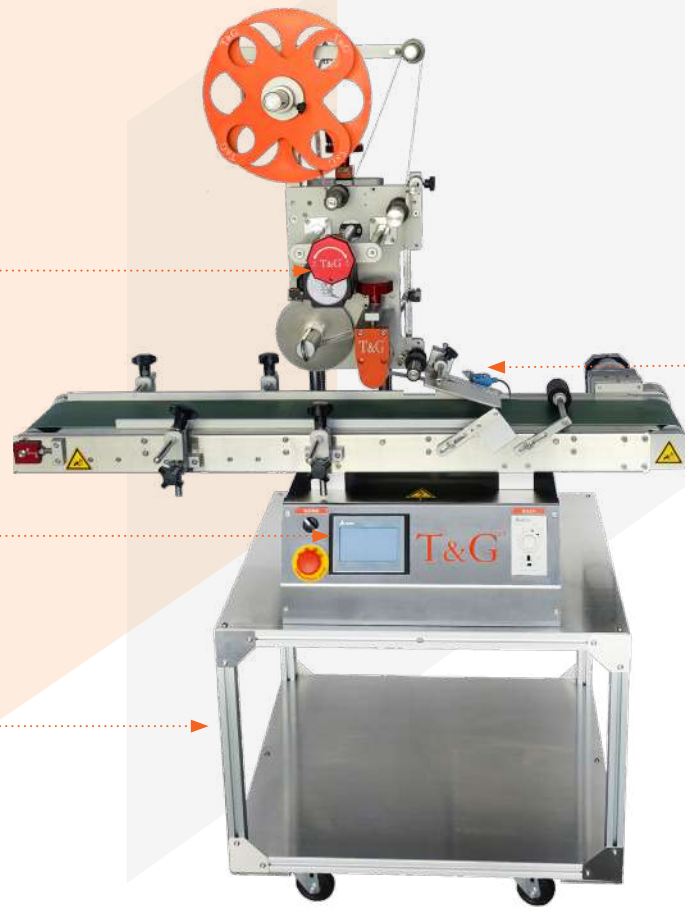
4.3 吋彩色觸控人機  
4.3" Color touch screen (HMI)

工作台車 (含腳輪)  
Working table (with castors)



熱燙印字機 & 可調支撐座  
(選配項目)  
Hot stamping printer & Adjustable rack  
(optional item)

德國 SICK 電眼  
SICK sensor (German brand)



## LA-105 半自動平面上貼貼標機

### Semi-automatic Flat-surface Top Labeling Machine

#### 適用範圍

- 適合小尺寸扁平狀產品貼標，如：紙盒 / 塑料袋 / 面膜袋 / 卡片與說明書等紙本類之各式產品。
- 適用多種標籤尺寸，亦適用透明標籤。
- 最適合「少量多樣」的貼標需求。

#### 特色介紹

- 日本三菱 PLC，搭配 4.3 吋彩色人機觸控螢幕，操作簡易。
- 出標系統採用步進馬達，貼標精準度高，易於校正控制。
- 便利手輪裝置搭配德國品牌之位置顯示器，可精確調整貼標位置且輕鬆不費力。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆輸入設定。
- 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。
- 德國 SICK 電眼自動感應啟動貼標。
- 可選配「熱轉印機 / 噴印機」，多家國際知名廠牌供選擇。

#### 機台規格

機台尺寸	1200(長) x 655(寬) x 1586(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 60VA
適用標籤高度	(A 型)10~100 (B 型)10~150 mm
適用標籤長度	10 ~ 200 mm
機台產能	約 10 ~ 15 米 / 每分鐘
貼標精度	± 1.0 mm
印字設備 (選配)	熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座)

#### Field of Application

- Labeling on flat surface of various small-sized products, such as unfolded boxes, plastic pouches, cards, etc.
- A wide range of label size, transparent labels are also applicable.
- Most suitable for various products but small-volume daily production.

#### Features

- Japan Mitsubishi PLC and 4.3" color touch screen (HMI) provide convenient operation.
- Stepper motor in labeling system offers the high labeling precision.
- Adjust and record the labeling position conveniently and precisely by a hand-wheel device combined with position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- SICK photoelectric sensor (German brand) for labeling start-up.
- Compatible with Thermal Transfer Printer or Inkjet Printer. Many famous brands of printer are available to be integrated.

#### Specifications

Machine Dimension	1200(L) x 655(W) x 1586(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 60VA
Applicable Label Height	(A) 10~100 (B) 10~150 mm
Applicable Label Length	10 ~ 200 mm
Production Capacity	About 10 ~ 15 meters /per minute
Labeling Precision	± 1.0 mm
Printers (optional item)	Hot Stamping / Heat Transfer / Inkjet (for Date, Batch no., Barcode... Support rack included)



熱燙印字機 & 可調支撐座 (選配)  
Hot stamping printer & Adjustable support rack (optional item)

收料斜板 & 靜電消除裝置 (選配)  
Collecting plate & Electrostatic elimination device (optional item)

前後調整手輪 & 位置顯示器  
Front / Back adjusting device & Position indicator

貼標機搭配熱轉印機 (包含：調整支撐座)  
Compatible with Heat Transfer Printer (Adjustable support rack included)

# LA-100 自動上貼貼標機

## Automatic Top Labeling Machine

### 適用範圍

- 產品上方之平面貼標，適合：方瓶 / 紙盒 / 塑料袋 / 面膜袋 / 卡片與說明書等各式產品。
- 適用多種標籤尺寸，亦適用透明標籤。
- 適合產品多樣化的貼標需求，可連線生產或單機使用。

### 特色介紹

- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡易。
- 出標系統採用步進馬達，貼標精準度高，易於校正控制。
- 便利手輪裝置搭配位置顯示器，輕鬆調整與記錄貼標位置。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆輸入設定。
- 使用者友善介面：多種免工具調整設計，換線快速。
- 產品厚度 2 mm 以下，搭配「自動下料機」，大幅提升產能。
- 適合搭配「熱轉印機」與「噴印機」，可整合多家知名廠牌。

### 機台規格

機台尺寸	1720(長) x 635(寬) x 1590(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 150VA
適用標籤高度	(A 型)10~100 (B 型)10~150 (C 型)10~200 mm
適用標籤長度	15 ~ 200 mm
機台產能	約 10 ~ 25 米 / 每分鐘
貼標精度	± 1.0 mm
選配項目	(1) 印字設備：熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座) (2) 收料斜板 (3) 靜電消除裝置

### Field of Application

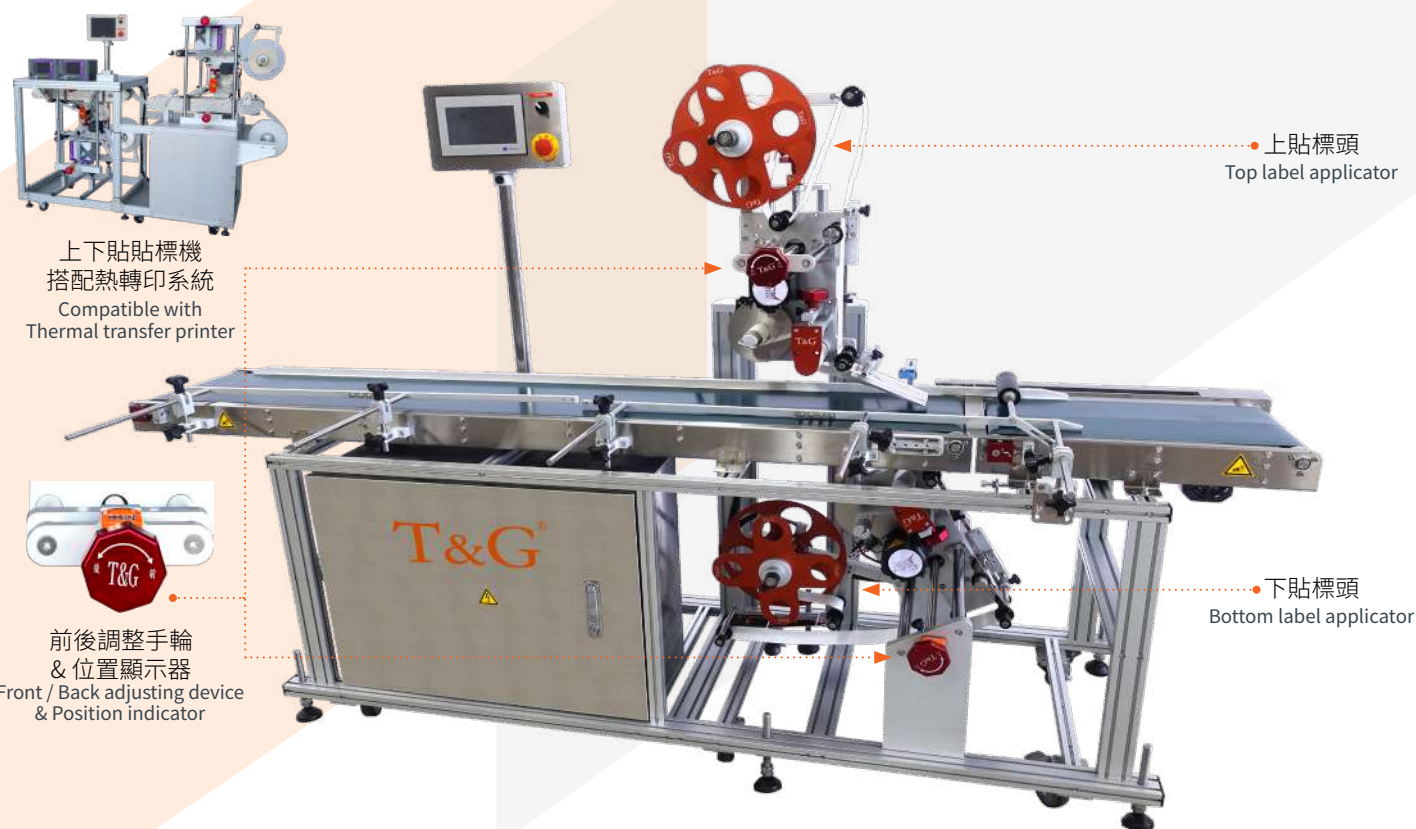
- Labeling on the flat surface of various square bottles, boxes, plastic bags, cards, etc.
- A wide range of label size, transparent labels are also applicable.
- A wide range of products are applicable for a packaging production line or separate operation.

### Features

- Japan Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Stepper motor in labeling system offers the high labeling precision.
- Adjust and record the labeling position conveniently by a hand-wheel device combined with a position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Recommend to combine with our Automatic Friction Feeder (AI-450) for product thickness below 2 mm, the production efficiency can be improved significantly.
- Compatible with Heat Transfer Printer or Inkjet Printer. Many famous brands of printer are available to be integrated.

### Specifications

Machine Dimension	1720(L) x 635(W) x 1590(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 150VA
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	15 ~ 200 mm
Production Capacity	About 10 ~ 25 meters / per minute
Labeling Precision	± 1.0 mm
Optional Item	(1) Printers : Hot Stamping / Heat Transfer / Inkjet (Date, Batch no., Barcode... Support rack included) (2) Collecting plate (3) Electrostatic elimination device



## LA-120 自動上下貼標機

### Automatic Top and Bottom Labeling Machine

#### 適用範圍

- 平整產品之上下方貼標，適用產品尺寸範圍大。
- 適合多種標籤尺寸，同時適用一般或透明標籤。
- 適用多種材質的產品：各種材質的盒子、袋子、卡片...
- 適合產品多樣化的生產需求，可連線生產或單機使用。

#### 特色介紹

- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡易。
- 出標系統採用步進馬達，貼標精準度高，易於校正控制。
- 便利手輪裝置搭配位置顯示器，輕鬆調整與記錄貼標位置。
- 50 組記憶模組，適合生產多種產品，不需重覆輸入設定。
- 使用者友善設計，免工具即可快速進行多數的調校或拆卸。
- 薄型產品另可搭配「自動下料機」，大幅提升產能。
- 適合搭配「熱轉印機」與「噴印機」，可整合多家知名廠牌。

#### 機台規格

機台尺寸	2500(長) x 650(寬) x 1550(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 210VA
適用標籤高度	(A 型)10~100 (B 型)10~150 (C 型)10~200 mm
適用標籤長度	10 ~ 300 mm
機台產能	約 10 ~ 40 個 / 每分鐘
貼標精度	上貼 ± 1.0 mm；下貼 ± 2.0 mm
印字設備 (選配)	熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座)

#### Field of Application

- A wide range of product size for top and bottom labeling on flat-surface of products.
- For various label size and normal or transparent labels.
- Apply to many kinds of material of boxes, bags, cards...etc.
- Applicable for a packaging production line or separate operation.

#### Features

- Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Stepper motor in labeling system offers high labeling precision.
- Adjust and record the labeling position conveniently by a hand-wheel device combined with position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly design: most adjustments can be finished easily without tools.
- Recommend to combine with our Automatic Friction Feeder for product thickness under 2 mm, the production efficiency can be improved significantly.
- Compatible with Thermal Transfer Printer or Inkjet Printer. Many famous brands of printer are available to be integrated.

#### Specifications

Machine Dimension	2500(L) x 650(W) x 1550(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 210VA
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	10 ~ 300 mm
Production Capacity	About 10 ~ 40 PCS / per minute
Labeling Precision	Top labeling ± 1.0 mm; Bottom labeling ± 2.0 mm
Printers (optional item)	Hot Stamping / Heat Transfer / Inkjet (Date, Batch no., Barcode... Support rack included)



便利調整手輪 & 位置顯示器

Convenient position adjusting device & Position indicator

7 吋彩色觸控人機  
7" Color touch screen (HMI)

熱燙印字機 & 可調支撐座 (選配)  
Hot stamping printer & Adjustable support rack (optional item)

腳架式貼標機搭配上貼貼標機  
Support stand type labeling machine  
Combine with Flat-surface Top labeling machine

## LA-101 腳架式貼標機 (上貼 / 側貼)

### Support-stand Type Labeling Machine (Top-labeling / Side-labeling)

#### 適用範圍

- 產品上方或側面之平面貼標，適合：方瓶 / 紙盒...等產品。
- 適用多種標籤尺寸，同時適用透明標籤。
- 適合搭配現有之輸送帶，每日產能較大與產品多樣化的生產需求。

#### 特色介紹

- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡易。
- 出標系統採用步進馬達，貼標精準度高，易於校正控制。
- 貼標系統：德國大廠 SICK 感測器 (電眼)，品質穩定、感應準確。
- 便利手輪裝置搭配位置顯示器，輕鬆調整與記錄貼標位置。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆輸入設定。
- 使用者友善介面：多種免工具調整設計，換線快速。

#### 機台規格

機台尺寸	1000(長) x 910(寬) x 1400(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，功率 150VA
適用標籤高度	(A 型)10~100 (B 型)10~150 (C 型)10~200 mm
適用標籤長度	15 ~ 200 mm
機台產能	約 10 ~ 60 個 / 每分鐘
貼標精度	± 1.0 mm
印字設備 (選配)	熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座)

#### Field of Application

- Labeling on the top or side flat surface of various square bottles, boxes...etc.
- A wide range of label size, transparent labels are also applicable.
- Suitable to combine existing conveyor.
- Suitable for larger quantity but with wide range of products producing demands.

#### Features

- Japan Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Stepper motor in labeling system offers the high labeling precision.
- Labeling system: Stepper motor and SICK (German brand) sensor for high labeling precision and easy adjustments.
- Adjust and record the labeling position conveniently by a hand-wheel device combined with a position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.

#### Specifications

Machine Dimension	1000(L) x 910(W) x 1400(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 150VA
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	15 ~ 200 mm
Production Capacity	About 10 ~ 60 PCS/per minute
Labeling Precision	± 1.0 mm
Printers (optional item)	Hot Stamping / Heat Transfer / Inkjet (Date, Batch no., Barcode... Support rack included)



熱燙印字機 & 可調支撐座 (選配)  
Hot stamping printer & Adjustable support rack (optional item)



分瓶輪  
Bottle separation wheel



上下調整手輪 & 位置顯示器  
Up / Down adjusting device & Position indicator



定點貼標裝置  
Positioning labeling device



前後調整手輪 & 位置顯示器  
Front/Back adjusting device & Position indicator



## LA-250 自動圓瓶貼標機 (定點式)

### Automatic Round Bottle Labeling Machine (Positioning type)

#### 適用範圍

- 圓瓶之單張全繞貼、半繞貼或連續出標 2 張 (正標 + 背標)。
- 適用多種標籤尺寸, 亦適用透明標籤。
- 通用各材質且多種尺寸之圓瓶: 塑膠瓶、玻璃瓶、金屬瓶。
- 適合產品多樣化的貼標需求, 可連線生產或單機使用。

#### 特色介紹

- 定點式環繞貼標, 確保標籤兩端完美對齊、不皺摺不歪斜。
- 日本三菱 PLC, 搭配 7 吋彩色人機觸控螢幕, 操作簡易。
- 出標系統採用步進馬達, 貼標精準度高, 易於校正控制。
- 便利手輪裝置搭配位置顯示器, 輕鬆調整與記錄貼標位置。
- 50 組記憶模組, 適合生產多種產品, 不需重覆輸入設定。
- 可選配「熱轉印機/噴印機」, 多家國際知名廠牌供選擇。

#### 機台規格

機台尺寸	1800(長) x 1060(寬) x 1530(高) mm
動力需求	電壓 110V, 頻率 50/60Hz, 單相, 視在功率 270VA
需求空壓	4kg/cm <sup>2</sup> 以上 (請自備空壓來源)
適用標籤高度	(A 型)10~100 (B 型)10~150 (C 型)10~200 mm
適用標籤長度	10 ~ 300 mm
機台產能	約 10 ~ 30 瓶 / 每分鐘
貼標精度	± 1.0 mm
選配項目	(1) 熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座) (2) 光學檢測系統 / 不良標預先剔除裝置 (3) 自動進瓶 / 收瓶轉盤

#### Field of Application

- One label of full and partial wrap-around or continuous two labels as front & back label for round bottles.
- A wide range of label sizes, also applicable for transparent labels.
- Various round bottle dimensions & material: Plastic, glass & metal bottles.
- Many kinds of round bottles are applicable for a packaging production line or separate operation.

#### Features

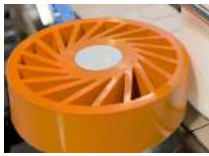
- Positioning wrap-around labeling ensures 2 ends of label to be aligned perfectly.
- Japan Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Stepper motor in labeling system offers the high labeling precision.
- Adjust and record the labeling position conveniently by a hand-wheel device combined with a position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Compatible with Thermal Transfer Printer or Inkjet Printer. Many famous brands of printer are available to be integrated.

#### Specifications

Machine Dimension	1800(L) x 1060(W) x 1530(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 270VA
Pneumatic Requirement	4kg/cm <sup>2</sup> at least (prepared by buyer)
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	10 ~ 300 mm
Production Capacity	About 10 ~ 30 PCS / per minute
Labeling Precision	± 1.0 mm
Optional item	(1) Hot Stamping / Heat Transfer / Inkjet Printer (for Date, Batch no., Barcode... Support rack included) (2) Optical inspection system / Pre-rejection of defective label (3) Automatic bottle feeding / collection turntable



調整手輪 & 位置顯示器  
Adjusting device & Position indicator



分瓶輪  
Bottle separation wheel



7 吋彩色觸控人機  
7" Color touch screen - HMI

皮帶滾貼 & 撫平海綿  
Roller belt & Smoothing Sponge

## LA-260 自動圓瓶貼標機 (皮帶滾貼式)

### Automatic Round Bottle Labeling Machine (Roller belt type)

#### 適用範圍

- 圓瓶之單張半繞貼、2/3 圈、1/4 圈貼標。
- 適用多種標籤尺寸，同時適用透明標籤。
- 通用各材質且多種尺寸之圓瓶：塑膠瓶、玻璃瓶、金屬瓶。
- 適合產量大的生產需求，可連線生產或單機使用。

#### 特色介紹

- 滾貼式貼標，使瓶器在行進中即完成貼標，適合高產能的生產需求。
- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡易。
- 出標系統採用步進馬達，貼標精準度高，易於校正控制。
- 便利手輪裝置搭配位置顯示器，輕鬆調整與記錄貼標位置。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆輸入設定。
- 可選配「熱轉印機／噴印機」，多家國際知名廠牌供選擇。

#### 機台規格

機台尺寸	1800(長) x 960(寬) x 1600(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 640VA
適用標籤高度	(A 型)10~100 (B 型)10~150 (C 型)10~200 mm
適用標籤長度	15 ~ 150 mm (瓶身圓周 2/3 長)
機台產能	約 20 ~ 60 瓶 / 每分鐘
貼標精度	± 2.0 mm
選配項目	(1) 熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座) (2) 自動進瓶 / 收瓶轉盤

#### Field of Application

- One label of 1/2, 2/3, 1/4 wrap-around labeling for round bottles.
- A wide range of label sizes, also applicable for transparent labels.
- Various round bottle dimensions & material: Plastic, glass & metal bottles.
- Many kinds of round bottles are applicable for a packaging production line or separate operation.

#### Features

- Roller belt labeling makes labeling can be done while bottle is running, production efficiency can be increased a lot!
- Japan Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Stepper motor in labeling system offers the high labeling precision.
- Adjust and record the labeling position conveniently by a hand-wheel device combined with a position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Compatible with Thermal Transfer Printer or Inkjet Printer. Many famous brands of printer are available to be integrated.

#### Specifications

Machine Dimension	1800(L) x 960(W) x 1600(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 640VA
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	15 ~ 150 mm (2/3 length of bottle circumference)
Production Capacity	About 20 ~ 60 PCS / per minute
Labeling Precision	± 2.0 mm
Optional item	(1) Hot Stamping / Heat Transfer / Inkjet Printer (for Date, Batch no., Barcode... Support rack included) (2) Automatic bottle feeding / collection turntable



高精度檢測攝像頭  
High-precision camera  
of optical inspection



預先剔除標籤滾輪  
Pre-rejection roller  
for defective label



星盤式分瓶裝置  
Indexing bottle  
separation device

15 吋彩色觸控螢幕  
& 光學檢測控制系統  
(日本品牌)

15" Color touch screen  
& Optical inspection system  
(Japanese brand)



10.4 吋彩色觸控人機  
(含警示燈)

10.4" Color touch screen - HMI  
(Warning light included)



連動式扶瓶機構  
Interlocking bottle clamp

## LA-260H 專利高速圓瓶貼標機 (光學檢測系統 / 不良標預先剔除)

High-speed Round Bottle Labeling Machine (Optical inspection system / Pre-rejection of defective label)

### 適用範圍

- 圓瓶之單張全繞、半繞之貼標。
- 適用多種標籤尺寸，亦適用透明標籤。
- 適用各式瓶罐材質：塑膠瓶、玻璃瓶、金屬瓶。
- 適合產量大的生產需求，可連線生產或單機使用。

### 特色介紹

- 主控制系統：日本三菱 PLC，搭配台達 10.4 吋彩色人機觸控螢幕，操作簡易。
- 光學檢測控制系統：15 吋日本品牌彩色觸控螢幕，直覺化輸入設定值，並易於目視條碼或標籤印字資訊。
- 獨特的「星盤式分瓶」及「連動式扶瓶」裝置，使每一瓶間距相等，提高貼標與光學檢測之精準度。
- 智能「不良標預先剔除」裝置，偵測到條碼或印字不良標籤，自動以伺服滑台預先移載到一旁的特製滾輪上，避免不良標被貼到瓶子上，不必手動將不良標從瓶子上移除，節省重工撕除時間。
- 光學檢測之軟硬體皆採用日本知名品牌，極高的穩定性與準確的辨識率，在日本醫藥業擁有高達 8 成的市佔率。
- 高速不間斷連續貼標，大幅提升產能，最適合連接生產線。

### 機台規格

機台尺寸	2150(長) x 1350(寬) x 1950(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 1.8KVA
需求空壓	4kg/cm <sup>2</sup> 以上 (請自備空壓來源)
適用標籤高度	(A 型)10~100 (B 型)10~150 (C 型)10~200 mm
適用標籤長度	15 ~ 150 mm (瓶身圓周 2/3 長)
機台產能	約 60 ~ 120 瓶 / 每分鐘
貼標精度	± 1.0 mm
選配項目	(1) 熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座) (2) 自動進瓶 / 收瓶轉盤

### Field of Application

- Full and partial wrap-around labeling for round bottles.
- A wide range of label size and also applicable for transparent labels.
- Apply to various bottle material: Plastic, glass and metal bottles.
- Suitable for large production volume for a packaging production line or separate operation.

### Features

- Main control system: Japan Mitsubishi PLC and 10.4" color touch screen (HMI). Most data can be set from the screen conveniently.
- Optical inspection control system: Check label images and enter setting information easily from 15" color touch screen (Japanese brand).
- Unique "Indexing Bottle Separation" and "Interlocking Bottle Clamp" devices make each bottle with equal gap distance to reach higher labeling and optical inspection precision.
- Intelligent "Pre-rejection" function: Defective labels are removed onto a special roller by servo-sliding device in advance to avoid defective labels being labeled onto bottles. Manual label tearing off time is saved a lot!
- Optical inspection system and software are from famous Japanese brand which has nearly 80% market share in the Japanese pharmaceutical industry for providing excellent recognition accuracy.
- Continuous high speed labeling improves production capacity significantly, especially for automatic production lines.

### Specifications

Machine Dimension	2150(L) x 1350(W) x 1950(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 1.8KVA
Pneumatic Requirement	4kg/cm <sup>2</sup> at least (prepared by buyer)
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	15 ~ 150 mm (2/3 length of bottle circumference)
Production Capacity	About 60 ~ 120 PCS / per minute
Labeling Precision	± 1.0 mm
Optional items	(1) Hot Stamping / Heat Transfer / Inkjet Printer (Date, Batch no., Barcode... Support rack included) (2) Automatic bottle feeding / collection turntable





便利調整手輪 & 位置顯示器  
Up / Down adjusting device & Position indicator

貼標撫平滾輪  
Label smoothing rollers

熱燙印字機 & 可調支撐座 (選配)  
Hot stamping printer & Adjustable support rack (optional item)

瓶口壓制機構  
Bottle hold down device  
進瓶導正系統  
Bottle feeding servo-alignment system

分瓶輪  
Bottle separation wheel

## LA-320 自動雙面貼標機 (進瓶伺服導正系統)

### Automatic Twin-side Labeling Machine (Bottle feeding servo-alignment system)

#### 適用範圍

- 「方瓶、橢圓瓶」之雙面或單面貼標。
- 適用多種標籤尺寸，同時適用透明標籤。
- 通用各材質且多種尺寸之圓瓶：塑膠瓶、玻璃瓶、金屬瓶
- 適合產品多樣化的生產需求，可連線生產或單機使用。

#### 特色介紹

- 創新「進瓶伺服導正系統」，穩定進瓶位置，使貼標更準確。
- 「角度調整器」提供 ±15 度之貼標角度調整，並結合「標籤撫平滾輪」，確保標籤完美貼合，同時提升貼標精準度。
- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡易。
- 出標系統採用步進馬達，貼標精準度高，易於校正控制。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆設定。
- 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。
- 可選配「熱轉印機／噴印機」，多家國際知名廠牌供選擇。

#### Field of Application

- Two labels or one label for square and oval bottles.
- A wide range of label size and also applicable for transparent labels.
- Various round bottle dimensions & material: Plastic, glass & metal bottles.
- Many kinds of bottles shapes are applicable for a packaging production line or separate operation.

#### Features

- Innovational "Bottle feeding servo-alignment system" holds bottles firmly without shifting on the conveyor to ensure precise labeling position for higher labeling accuracy.
- "Label angle adjustment device" provides ±15 degree for labeling angle, "Label smoothing rollers" are combined together for excellent labeling quality and accuracy.
- Japan Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Stepper motor in labeling system offers high labeling precision.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Compatible with Thermal Transfer Printer or Inkjet Printer. Many famous brands of printer are available to be integrated.

#### 機台規格

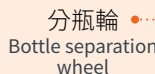
機台尺寸	3000(長) x 1455(寬) x 1690(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 1.5KVA
適用標籤高度	(A型)10~100 (B型)10~150 (C型)10~200 mm
適用標籤長度	10 ~ 250mm
機台產能	約 10 ~ 50 瓶 / 每分鐘
貼標精度	± 1.0 mm
選配項目	(1) 熱燙印字機／熱轉印機／噴印機 (印日期、批號、條碼... 另含可調整支撐座) (2) 光學檢測系統／不良標預先剔除裝置

#### Specifications

Machine Dimension	3000(L) x 1455(W) x 1690(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 1.5KVA
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	10 ~ 250 mm
Production Capacity	About 10 ~ 50 PCS / per minute
Labeling Precision	± 1.0 mm
Optional item	(1) Hot Stamping / Heat Transfer / Inkjet Printer (for Date, Batch no., Barcode... Support rack included) (2) Optical inspection system / Pre-rejection of defective label



進瓶伺服導正系統  
Bottle feeding servo-alignment system



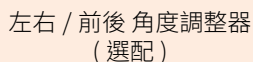
分瓶輪  
Bottle separation wheel



便利調整手輪 & 位置顯示器  
Convenient adjusting device & Position indicator



貼標撫平滾輪  
Label smoothing rollers



左右 / 前後 角度調整器  
(選配)  
Left/Right & Front/Rear angle adjustment device (optional item)

## LA-325 自動複合式瓶罐貼標機

### Automatic Multi-shaped Bottle Labeling Machine

#### 適用範圍

- 方瓶、橢圓瓶之雙面或單面貼標。
- 圓瓶之單張全繞貼、半繞貼或連續出標 2 張 (正標 + 背標)
- 適用多種標籤尺寸, 同時適用透明標籤。
- 通用各材質且多種尺寸之瓶罐: 塑膠瓶、玻璃瓶、金屬瓶。
- 適合產品多樣化的生產需求, 可連線生產或單機使用。

#### 特色介紹

- 一機完成多種瓶型的自動貼標需求, 一台抵兩台!
- 創新「進瓶伺服導正系統」, 穩定進瓶位置, 使貼標更準確。
- 「角度調整器」提供 ±15 度之貼標角度調整, 並結合「標籤撫平滾輪」, 確保標籤完美貼合, 同時提升貼標精準度。
- 日本三菱 PLC, 搭配 7 吋彩色人機觸控螢幕, 操作簡易。
- 出標系統採用步進馬達, 貼標精準度高, 易於校正控制。
- 便利手輪裝置搭配位置顯示器, 輕鬆調整與記錄貼標位置。
- 內建 50 組記憶模組, 生產多種產品, 不需重覆輸入設定。
- 可選配「熱轉印機/噴印機」, 多家國際知名廠牌供選擇。

#### 機台規格

機台尺寸	3000(長) x 1480(寬) x 1800(高) mm
動力需求	電壓 220V, 頻率 50/60Hz, 單相, 視在功率 1.56KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
適用標籤高度	(A 型)10~100 (B 型)10~150 (C 型)10~200 mm
適用標籤長度	10 ~ 250 mm
機台產能	約 10 ~ 50 瓶 / 每分鐘
貼標精度	± 1.0 mm
印字設備 (選配)	熱燙印字機/熱轉印機/噴印機 (印日期、批號、條碼... 另含可調整支撐座)

#### Field of Application

- Two labels or one label for square and oval bottles.
- One label of full and partial wrap-around or continuous two labels as front & back label for round bottles.
- A wide range of label sizes: also applicable for transparent labels.
- Various bottle dimensions & material: Plastic, glass & metal bottles.
- Many kinds of bottles shapes are applicable for a packaging production line or separate operation.

#### Features

- One labeling machine is multifunctional for various bottles.
- Innovative "Bottle feeding servo-alignment system" holds bottles firmly without shifting on the conveyor to ensure precise labeling position for higher labeling accuracy.
- "Label angle adjustment device" provides ±15 degree for labeling angle, "Label smoothing rollers" are combined together for excellent labeling quality and accuracy.
- Japan Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Stepper motor in labeling system offers high labeling precision.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Compatible with Heat Transfer Printer or Inkjet Printer. Many famous brands of printer are available to be integrated.

#### Specifications

Machine Dimension	3000(L) x 1480(W) x 1800(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 1.56KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	10 ~ 250 mm
Production Capacity	About 10 ~ 50 PCS / per minute
Labeling Precision	± 1.0 mm
Printers (optional item)	Hot Stamping / Heat Transfer / Inkjet (for Date, Batch no., Barcode... Support rack included)



## LA-505 半自動折角貼標機 (盒裝產品封口標籤)

### Semi-automatic Right Angle Labeling Machine (Seal label on boxes)

#### 適用範圍

- 各種大小之塑膠盒及紙盒折角貼標，大盒小盒一機搞定。
- 圓形或方形標籤皆適用，亦適用透明標籤。
- 最適合「少量多樣化」折角貼標需求。

#### 特色介紹

- 出標系統：採用步進馬達，搭配日本三菱 PLC 控制系統，貼標精準度高，易於校正。
- 直覺式的操作介面，非專業人員也可迅速上手。
- 內建生產計數器，輕鬆自動計算每日生產量。
- 使用者友善設計：可快速調整貼標位置或更換標籤捲。
- 體積輕巧不佔空間，可任意變換擺放位置，空間利用最靈活。
- 透明標籤電眼：適用於一般標籤、透明標籤感應。

#### 機台規格

機台尺寸	718(長) x 352(寬) x 331(高) mm
動力需求	電壓 110V，頻率 60Hz，單相，視在功率 60VA
適用標籤高度	20 ~ 30 mm
適用標籤長度	20 ~ 30 mm
機台產能	約 10 ~ 20 個 / 每分鐘
貼標精度	± 1.0 mm
選配項目	工作台車 (桌面 # 304 不鏽鋼 / 附腳輪)

#### Field of Application

- Seal the opening of various square plastic and paper boxes by a right angle label.
- For round or square shape of labels, transparent labels are also applicable.
- Most suitable for small-volume daily production of a wide range of different products .

#### Features

- Label feeding system: Stepper motor to be matched with Mitsubishi PLC control system (Japanese brand) offer high labeling precision and easy adjustment.
- In labeling system offers the high labeling precision.
- Intuitive interface: Everyone can operate this machine easily without professional techniques.
- Production volume counter helps recording daily production automatically.
- User-friendly design: Labeling position can be adjusted shortly and label roll can be replaced conveniently without using tools.
- Small machine dimension saves much space and can be moved flexibly.
- Transparent label sensor: Suitable for Opaque / Transparent label detection.

#### Specifications

Machine Dimension	718(L) x 352(W) x 331(H) mm
Power Requirement	110V, 60Hz, 1 Phase, 60VA
Applicable Label Height	20 ~ 30 mm
Applicable Label Length	20 ~ 30 mm
Production Capacity	About 10 ~ 20 PCS / per minute
Labeling Precision	± 1.0 mm
Optional Item	Working table (Desktop # 304 stainless steel / Castors attached)



熱轉印機 & 可調支撐座  
(選配項目)  
Heat transfer printer & Adjustable rack (optional item)

7 吋彩色觸控人機  
7" Color touch screen (HMI)

熱轉印機彩色觸控螢幕  
(須搭配熱轉印機)  
Color touch screen of heat transfer printer (Must attach to the printer)

標籤吸取裝置  
Label vacuum & tamp device

貼標便利調整手輪  
& 位置顯示器  
Convenient adjusting device for labeling & Position indicator

產品固定模具  
Product fixed mold

## LA-701 半自動吸貼式貼標機 (產品上方貼標)

### Semi-automatic Tamp Labeling Machine (Top labeling)

#### 適用範圍

- 適合表面平整之產品貼標，如：盒子 / 扁平狀方瓶...
- 吸貼式貼標之精準度極高，適合非常要求貼標精度之產品。
- 適用多種標籤尺寸與材質，亦適用透明標籤。
- 最適合「少量多樣」的貼標需求。

#### Field of Application

- Labeling on flat surface of products, such as boxes, cube-shaped bottles, etc.
- Tamp labeling offers excellent labeling performance for products which need high labeling precision.
- A wide range of label size and material, transparent labels are also applicable.
- Most suitable for various products but small-volume daily production.

#### 特色介紹

- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡易。
- 出標系統採用步進馬達，貼標精準度高，易於校正控制。
- 便利手輪裝置搭配德國品牌之位置顯示器，可精確調整貼標位置，輕鬆不費力。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆輸入設定。
- 主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。
- 使用者友善設計，免工具即可快速進行多數的調校或拆卸。
- 一機適合多種產品貼標，不同產品只需更換固定模具。

#### Features

- Japan Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Stepper motor in labeling system offers the high labeling precision.
- Adjust and record the labeling position conveniently and precisely by a hand-wheel device combined with position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Main structure is made of #304 stainless steel and aluminum alloy meet high sanitary demands for food and pharmaceutical industries.
- User-friendly design: Most adjustments can be finished easily without using tools.
- Applicable for various products by simply replacing mold of different products.

#### 機台規格

機台尺寸	1050(長) x 1100(寬) x 1450(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 160VA
需求空壓	4kg/cm <sup>2</sup> 以上 (請自備空壓來源)
適用標籤高度	(A 型) 10~100 (B 型) 10~150 mm
適用標籤長度	15 ~ 90 mm
機台產能	約 8 ~ 10 個 / 每分鐘
貼標精度	± 0.5 mm
印字設備 (選配)	(1) 熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座) (2) 數位全彩標籤列印機 (即印即貼整張標籤 / 300 dpi 超高列印解析度)

#### Specifications

Machine Dimension	1050(L) x 1100(W) x 1450(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 160VA
Pneumatic Requirement	4kg/cm <sup>2</sup> at least (prepared by buyer)
Applicable Label Height	(A) 10~100 (B) 10~150 mm
Applicable Label Length	15 ~ 90 mm
Production Capacity	About 8 ~ 10 PCS / per minute
Labeling Precision	± 0.5 mm
Printers (optional item)	(1) Hot Stamping / Heat Transfer / Inkjet (for Date, Batch no., Barcode... Support rack included) (2) Digital Color Label Printing (Print & Apply / Print resolution 300 dpi)



## LA-750 自動吸貼式上貼貼標機 (星盤式 / 自動送料)

Automatic Top Tamp Labeling Machine (Indexing type / Automatic feeding system)

### 適用範圍

- 星盤式設計，適用不易站立或特殊造型之產品上方貼標。
- 吸貼式貼標之精準度極高，適合非常要求貼標精度之產品。
- 適合各種材質較小與較大標籤尺寸，同時適用透明標籤。
- 適合單項產品產量較大之生產需求。

### 特色介紹

- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡易。
- 出標系統：採用步進馬達，貼標精準度高，易於校正控制。
- 便利手輪裝置搭配位置顯示器，輕鬆調整與記錄貼標位置。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆設定。
- 使用者友善設計，免工具即可快速進行多數的調校或拆卸。
- 自動送料系統：免除人工送料，可大幅提升產能與降低成本。
- 德國 SICK 電眼：偵測產品尺寸未在設定範圍內，不進行貼標。
- 漏標自動剔除裝置：未貼標之產品將被剔除，提高生產良率。

### 機台規格

機台尺寸	1800(長) x 1500(寬) x 1700(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 1.13KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
適用標籤高度	(A 型)10~100 (B 型)10~150 mm
適用標籤長度	10 ~ 75 mm
機台產能	約 10 ~ 15 個 / 每分鐘
貼標精度	± 0.5 mm
印字設備 (選配)	(1) 熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座) (2) 數位全彩標籤列印機 (即印即貼整張標籤 / 300 dpi 超高列印解析度)

### Field of Application

- Indexing design is suitable for top labeling on products which are difficult to stand stably or with special shapes.
- Tamp labeling offers excellent labeling performance for products require high labeling precision.
- For larger or smaller label size with different material, transparent labels are also applicable.
- Applicable larger production volume of single product.

### Features

- Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Labeling system: Stepper motor offers high labeling precision.
- Adjust and record the labeling position conveniently by a hand-wheel device combined with position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly design: Most adjustments can be finished easily without using tools.
- Automatic feeding device: Improve production efficiency. Products are fed automatically, labor costs are saved a lot!
- SICK photoelectric sensor (German brand) helps to stop labeling for those products which are detected not in the allowed product size range.
- Automatic missing-label rejection device: Reject the products which are not labeled.

### Specifications

Machine Dimension	1800(L) x 1500(W) x 1700(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 1.13KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Applicable Label Height	(A) 10~100 (B) 10~150 mm
Applicable Label Length	10 ~ 75 mm
Production Capacity	About 10 ~ 15 PCS / per minute
Labeling Precision	± 0.5 mm
Printers (optional item)	(1) Hot Stamping / Heat Transfer / Inkjet (for Date, Batch no., Barcode... Support rack included) (2) Digital Color Label Printing (Print & Apply / Print resolution 300 dpi)



自動送料系統  
Automatic feeding system



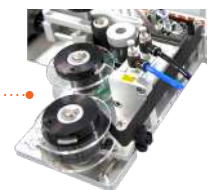
漏標自動剔除裝置  
Automatic rejection device  
for missing-label products



自動送料整列裝置  
Automatic material  
arraying device



星盤機構  
Indexing system



熱燙印字機 &  
可調支撐座 (選配)  
Hot stamping printer &  
Adjustable rack (optional item)

## LA-280 自動側貼標機 (星盤式 / 自動送料系統)

Automatic Side Labeling Machine (Indexing type / Automatic feeding system)

### 適用範圍

- 星盤式設計適用不易站立或特殊造型之產品側面貼標。
- 適合多種標籤尺寸與材質，一般或透明標籤皆適用。
- 適合單項產品產量較大之生產需求。

### 特色介紹

- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡易。
- 出標系統採用步進馬達，貼標精準度高，易於校正控制。
- 便利手輪裝置搭配位置顯示器，輕鬆調整與記錄貼標位置。
- 內建 50 組記憶模組，適合生產多種產品，不需重複輸入設定。
- 使用者友善設計，免工具即可快速進行多數的調校或拆卸。
- 自動送料系統，免除人工送料，可大幅提升產能與降低成本。
- 德國測物電眼，偵測產品尺寸未在設定範圍內，不進行貼標。
- 漏標自動剔除裝置，未貼標之產品將被剔除，提高生產良率。

### 機台規格

機台尺寸	1550(長) x 1200(寬) x 1500(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 290VA
需求空壓	4kg/cm <sup>2</sup> 以上 (請自備空壓來源)
適用標籤高度	(A 型) 10~100 (B 型) 10~150 (C 型) 10~200 mm
適用標籤長度	10 ~ 300 mm
機台產能	約 12 ~ 15 個 / 每分鐘
貼標精度	± 1.0 mm
印字設備 (選配)	熱燙印字機 / 熱轉印機 / 噴印機 (印日期、批號、條碼... 另含可調整支撐座)

### Field of Application

- Indexing design is perfect for side labeling on products which are difficult to stand stably or with special shapes.
- A wide range of label size and material for normal or transparent labels.
- Apply to larger production volume of single product.

### Features

- Mitsubishi PLC and 7" color touch screen (HMI) provides convenient operation.
- Stepper motor in labeling system offers high labeling precision.
- Adjust and record the labeling position conveniently by a hand-wheel adjusting device combined with position indicator.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly design: most adjustments can be finished easily without tools.
- Automatic feeding system saves much time of manual feeding. The system can improve production efficiency and reduce labor cost significantly.
- Object sensor (German brand) helps to stop labeling for the products which are detected product size not in the allowed range.
- Automatic missing-label rejection device rejects products which are not labeled.

### Specifications

Machine Dimension	1550(L) x 1200(W) x 1500(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 290VA
Pneumatic Requirement	4kg/cm <sup>2</sup> at least (prepared by buyer)
Applicable Label Height	(A) 10~100 (B) 10~150 (C) 10~200 mm
Applicable Label Length	10 ~ 300 mm
Production Capacity	About 12 ~ 15 PCS / per minute
Labeling Precision	± 1.0 mm
Printers (optional item)	Hot Stamping / Heat Transfer / Inkjet (for Date, Batch no., Barcode... Support rack included)



止漏裝置 (球閥式)  
Anti-leaking device (Ball valve type)



蠕動式充填 & 矽膠軟管  
Peristaltic filling system & Silicone filling tube

#316 不鏽鋼儲料桶  
(10 公升 / 附蓋)  
#316 Stainless steel liquid tank  
(10 Liter / Tank lid included)

免工具便利快拆設計  
Quick dismantlement design

4.3 吋彩色觸控人機螢幕  
4.3" Color touch screen (HMI)

## FL-010R 半自動蠕動式充填機 (桌上型)

### Semi-automatic Peristaltic Filling Machine (Desktop type)

#### 適用範圍

- 適用於各行業具流動性及無腐蝕性的液體。
- 最適合要求高充填精準之小容量產品。
- 可設定連續充填以達到大容量範圍，大瓶小瓶一機搞定。

#### 特色介紹

- 液體接觸面使用「316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍」；主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。
- 日本三菱 PLC，搭配台達 4.3 吋彩色人機觸控螢幕，可直接輸入所需充填量及充填速度，直覺式操作最方便。
- 充填系統採用「蠕動式泵浦 & 伺服馬達」，充填精準度極高。充填速度可依液體特性自由調整，有效避免液體高速充填時噴濺至瓶外並降低起泡程度。
- 充填採用矽膠軟管好處多：易清潔又耐高溫、低成本的軟管若老舊可隨即更換、生產不同液體使用不同管線以避免交叉污染。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆設定。
- 兩種啟動模式：任擇「腳踏開關」或「螢幕觸控」啟動。

#### 機台規格

機台尺寸	420(長) x 540(寬) x 190(高) mm (不含料桶尺寸)
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 0.75KVA
機台產能	約 6 ~ 12 瓶 / 每分鐘 (以 100ml 不起泡之液體為例)
充填範圍	10 ~ 300 ml (亦可設定連續充填達到更大容量)
充填精度	± 0.5 g (以充填 20 g 清水為例)
選配項目	工作台車 (採 #304 不鏽鋼及鋁擠型 / 附腳輪)

#### Field of Application

- Apply to various flowable and non-corrosive liquids.
- Most suitable for small-volume products which need high filling precision.
- Continuous filling to reach larger volume for different volume of products.

#### Features

- Liquid contact parts 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 4.3" color touch screen (HMI). Filling volume and speed are set from the screen conveniently.
- Peristaltic pump & Servomotor of filling system offer high filling precision. Filling speed can be adjusted based on liquid properties to prevent spraying out of bottles while filling proceeding, foaming degree is also reduced.
- Many sanitary benefits of using silicone filling tube: Not only easy cleaning, but low-cost tubes can be replaced at any time to prevent cross contamination while filling different liquids.
- 50 sets of memory storage: Perfect for various products.
- Two filling start-up modes: Foot switch or Touch screen.

#### Specifications

Machine Dimension	420(L) x 540(W) x 190(H) mm (Not including liquid tank)
Power Requirement	220V, 50/60Hz, 1 Phase, 0.75KVA
Production Capacity	About 6 ~ 12 PCS / per minute (based on 100 ml of water)
Filling Range	10 ~ 300 ml (set continuous filling to reach larger volume)
Filling Precision	± 0.5 g (based on filling 20 g water)
Optional Item	Working table (#304 stainless steel & Aluminum alloy / Castors attached)



## FL-020P 半自動定量充填機 (活塞式)

### Semi-automatic Volumetric Liquid Filling Machine (Piston type)

#### 適用範圍

- 適用於各行業具流動性及無腐蝕性的液體。
- 適合要求充填高精準度的產品。
- 可設定連續充填以達到大容量範圍，大瓶小瓶一機搞定。

#### 特色介紹

- 特別採用高階「電動缸」控制充填定量缸，充填速度可從人機畫面直接精準設定，取代傳統式氣缸，不必再手動費時調整。
- 充填系統採用「伺服馬達 & 活塞式定量缸」，充填精準度高。充填嘴伸入瓶內，以不同之充填速度進行三段式充填，液體高速充填時，不會噴濺至瓶外並降低液體起泡程度。
- 液體接觸面使用「316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍」，衛生等級高。
- 日本三菱 PLC，搭配日本富士 7 吋彩色人機觸控螢幕，可直接輸入所需充填量，直覺式操作最方便。
- 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。
- 兩種啟動模式：可任選「腳踏開關」或「電眼自動感應」啟動。

#### 機台規格

機台尺寸	675(長) x 1130(寬) x 1994(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相 / 三相，視在功率 0.8KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 6 ~ 12 瓶 / 每分鐘
充填範圍	200 ~ 1000 ml
充填精度	± 3g (以充填 1000 g 清水為例)
選配項目	(1) 補料泵浦 (2) 100 公升料桶 (#316 不鏽鋼)

#### Field of Application

- Apply to various flowable and non-corrosive liquids.
- For products which need high filling precision.
- Continuous filling to reach larger volume for different volume of products.

#### Features

- Electrical cylinder controls volumetric piston and also replaces traditional air cylinder, so accurate filling speed can be set directly from touch screen. No more wasted time on adjusting air cylinder manually.
- Servomotor and piston type of filling system offer excellent filling precision. Filling nozzles enter into bottles with 3 stages of filling speed to prevent spraying out of bottle while filling and reduce foaming degree.
- Liquid contact parts made of 316L stainless steel, food grade silicone tube / wire hose, Teflon meet high sanitary demands.
- Japan Mitsubishi PLC and 7" color touch screen (HMI). Filling volume and filling time can be set from the screen conveniently.
- 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.
- Two filling start-up modes: Foot switch or a Photoelectric sensor.

#### Specifications

Machine Dimension	675(L) x 1130(W) x 1994(H) mm
Power Requirement	220V, 50/60Hz, 1 or 3 Phase, 0.8KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 6 ~ 12 PCS / per minute
Filling Range	200 ~ 1000 ml
Filling Precision	± 3 g (based on filling 1000g water)
Optional Item	(1) Liquid feeding pump (2) 100 L liquid tank (#316 stainless steel)



進料 / 出料鋼絲軟管  
Liquid inlet/outlet pipe



自動升降充填機構  
Automatic lifting filling system

100 公升暫存原料桶  
(#316 不鏽鋼)  
100L Liquid tank  
(#316 stainless steel)



上下調整手輪 ( 充填管高度 )  
& 位置顯示器  
Up / Down adjusting device  
(for filling nozzle)  
& Position indicator

7 吋彩色觸控人機  
7" Color touch screen (HMI)



瓶罐固定調整座  
( 附雷射刻度 )  
Adjustable bottle clamp  
with laser-engraving scale

## FL-020F 半自動迴流式充填機 ( 液位等高 )

### Semi-automatic Overflow Liquid Filling Machine (Equal liquid-level)

#### 適用範圍

- 適用於各行業之高流動性似水狀及無腐蝕性液體。
- 適合要求充填液位需等高的產品，尤其適合玻璃瓶包裝。
- 可設定增加充填時間以達到大容量範圍，大瓶小瓶一機搞定。

#### 特色介紹

- 迴流式充填：充填管自動降下完整覆蓋瓶口，待充填至設定之液位高度，多餘液體會迴流至暫存料桶，之後充填管便自動升起 ( 標準配備附一組 100 公升暫存料桶 )。
- 若為不易起泡液體，更可設定高速充填，不會噴濺至瓶外。
- 液體接觸面使用「316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍」主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。
- 日本三菱 PLC，搭配日本富士 7 吋彩色人機觸控螢幕，可直接輸入所需充填時間，直覺式操作最方便。
- 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，不需重覆輸入設定。
- 兩種啟動模式：可任選「腳踏開關」或「螢幕觸控」啟動。

#### 機台規格

機台尺寸	900(長) x 650(寬) x 1800(高) mm ( 不含暫存料桶 )
動力需求	電壓 220V，頻率 50/60Hz，單相 / 三相，視在功率 0.75KVA
需求空壓	5kg/cm <sup>2</sup> 以上 ( 請自備空壓來源 )
機台產能	約 6 ~ 12 瓶 / 每分鐘
充填範圍	300 ~ 2000 ml
充填液位精度	± 2 mm ( 液位高度 )
選配項目	補料泵浦

#### Field of Application

- Apply to various water-like and non-corrosive liquids.
- For products which need equal liquid-level, especially suitable for glass bottles.
- Extend filling time to reach larger volume for different volume of products.

#### Features

- Overflow filling: Filling nozzles go down to cover bottle mouth, then liquid is filled to the required liquid-level. Extra liquid which is over liquid-level will flow back to liquid tank, and afterwards filling nozzles go up automatically (100L liquid tank is a standard item).
- For low-foaming liquids, higher filling speed is applicable without spraying out of bottles.
- Liquid contact parts 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 7" color touch screen (HMI). Filling time can be set from the screen conveniently.
- 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.
- Two filling start-up modes: Foot switch or Touch screen.

#### Specifications

Machine Dimension	900(L) x 650(W) x 1800(H) mm (not including liquid tank)
Power Requirement	220V, 50/60Hz, 1 or 3 Phase, 0.75KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 6 ~ 12 PCS / per minute
Filling Range	300 ~ 2000 ml
Liquid-level Precision	± 2 mm (liquid-level height)
Optional Item	Liquid feeding pump

電動缸 (伺服驅動)  
 Electrical cylinder  
 (Driven by servomotor)

活塞式定量缸  
 (#316 不鏽鋼)  
 Volumetric piston  
 (#316 Stainless steel)

省力調整手輪  
 & 位置顯示器  
 Convenient adjusting device  
 & Position indicator



加裝機台安全外罩 (選配品)  
 with Machine frame & Safety cover  
 (Optional item)

自動進瓶轉盤  
 Automatic bottle  
 Feeding turntable

## FL-061P 自動 6 頭定量充填機 (活塞式) Automatic 6 Nozzles Volumetric Liquid Filling Machine (Piston type)

### 適用範圍

- 適用於各行業之具流動性及無腐蝕性的液體。
- 適合要求充填高精準度的產品。
- 可設定連續充填以達到大容量範圍，大瓶小瓶一機搞定。

### 特色介紹

- 特別採用高階「電動缸」控制充填定量缸，充填速度可從人機畫面直接精準設定，取代傳統式氣缸，不必再手動費時調整。
- 充填系統採用「伺服馬達 & 活塞式定量缸」，充填精準度高。充填嘴伸入瓶內，以不同之充填速度進行三段式充填，液體高速充填時，不會噴濺至瓶外並降低液體起泡程度。
- 液體接觸面使用 316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍，衛生等級高。
- 日本三菱 PLC，搭配日本富士 7 吋彩色人機觸控螢幕，可直接輸入所需充填量，直覺式操作最方便。
- 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。

### 機台規格

機台尺寸	3000(長) x 1200(寬) x 2450(高) mm
動力需求	電壓 220V，頻率 50/60Hz，三相，功率 3.6KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請客戶自備空壓來源)
機台產能	約 20~30 瓶 / 每分鐘 (以 1000ml 容量為例)
充填範圍	150 ~ 1000 ml (可設定連續充填模式達到大容量範圍)
充填液位精度	± 3 g (以充填 1000 g 清水為例)
選配項目	(1) 補料泵浦 (2) 機台安全外罩

### Field of Application

- Apply to various flowable and non-corrosive liquids.
- For products which need high filling precision.
- Continuous filling to reach larger volume for different volume of products.

### Features

- Electrical cylinder controls volumetric piston and also replaces traditional air cylinder, so accurate filling speed can be set directly from touch screen. No more wasted time on adjusting air cylinder manually.
- Servomotor and piston type of filling system offer excellent filling precision. Filling nozzles enter into bottles with 3 stages of filling speed to prevent spraying out of bottle while filling and reduce foaming degree.
- Liquid contact parts made of 316L stainless steel, food grade silicone tube / wire hose, Teflon, meet high sanitary demands.
- Japan Mitsubishi PLC and 7" color touch screen (HMI). Filling volume and filling time can be set from the screen conveniently.
- 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.

### Specifications

Machine Dimension	3000(L) x 1200(W) x 2450(H) mm (Not including liquid tank)
Power Requirement	220V, 50/60Hz, 3 Phases, 3.6KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> (prepare by the buyer)
Production Capacity	About 20 ~ 30 PCS / per minute (based on 1000ml)
Filling Range	150 ~ 1000 ml (Applicable to switch to Continuous Filling Mode for larger volume demands)
Liquid-level Precision	± 3 g (based on filling 1000g water)
Optional Item	(1) Liquid feeding pump (2) Machine safety cover



## FL-081F 自動 8 頭迴流式充填機 (液位等高)

### Automatic 8 Nozzles Overflow Filling Machine (Equal liquid-level)

#### 適用範圍

- 適用於各行業之高流動性似水狀及無腐蝕性液體。
- 適合要求充填液位需等高的產品，尤其適合玻璃瓶包裝。
- 可設定增加充填時間以達到大容量範圍，大瓶小瓶一機搞定。

#### 特色介紹

- 迴流式充填：充填管自動降下完整覆蓋瓶口，待充填至設定之液位高度，多餘液體被回吸至暫存料桶，之後充填管便自動升起 (標準配備附一組 100 公升暫存料桶)。
- 充填機構採用氣缸控制升降速度與高度，若為不易起泡液體，更可設定高速充填增加產能，充填時不會噴濺至瓶外。
- 液體接觸面使用「316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍」；主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。
- 日本三菱 PLC，搭配日本富士 7 吋彩色人機觸控螢幕，可直接輸入所需充填時間，直覺式操作最方便。
- 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，不需重覆輸入設定。

#### 機台規格

機台尺寸	3000(長) x 1080(寬) x 2700(高) mm (不含暫存料桶)
動力需求	電壓 220V，頻率 50/60Hz，三相，視在功率 1.2KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 24~32 瓶 / 每分鐘
充填範圍	300 ~ 2000 ml (超出範圍可客製)
充填液位精度	± 2 mm (液位高度)
選配項目	(1) 補料泵浦 (2) 機台安全外罩

#### Field of Application

- Apply to various water-like and non-corrosive liquids.
- For products which need equal liquid-level, especially suitable for glass bottles.
- Extend filling time to reach larger volume for different volume of products.

#### Features

- Overflow filling: Filling nozzles go down to cover bottle mouth, then liquid is filled to the required liquid-level. Extra liquid which is over liquid-level will be sucked back to liquid tank, and afterwards filling nozzles go up automatically (100L liquid tank is included as a standard item).
- Servomotor controls lifting of speed and distance for filling system. If liquids are low-foaming, higher filling speed is applicable to reach more production without spraying out of bottles while filling.
- Liquid contact parts made of #316 stainless steel, main structure is made of 316L stainless steel, food grade silicone tube / wire hose, Teflon and aluminum alloy meet high sanitary demands for food and pharmaceutical industries.
- Japan Mitsubishi PLC and 7" color touch screen (HMI). Filling volume and filling time can be set from the screen conveniently.
- 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.

#### Specifications

Machine Dimension	3000(L) x 1080(W) x 2700(H) mm (Not including liquid tank)
Power Requirement	220V, 50/60Hz, 3 Phase, 1.2KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 24 ~ 32 PCS / per minute
Filling Range	300 ~ 2000 ml (Customized filling range is available)
Liquid-level Precision	± 2 mm (liquid-level height)
Optional Item	(1) Liquid feeding pump (2) Machine safety cover

貼標  
Labeling

充填  
Filling

鎖蓋  
Capping

洗瓶  
Rinsing

分張  
Friction Feeder

光學檢測  
Optical Inspection

鋁箔封口  
Aluminum Foil Sealing

測漏  
Leak Testing

面膜整平  
Planishing

印字設備  
Printing

快速連動護欄系統  
Interlocking Guide Rail

整廠輸出  
Turnkey Solution

液位檢測器  
Liquid level sensor

充填嘴  
(#316 不鏽鋼)  
Filling nozzle  
(#316 Stainless Steel)

盛水盤  
Drip tray

304 不鏽鋼秤台  
#304 Stainless steel weigher

#316 不鏽鋼料桶  
#316 Stainless steel liquid tank

充填嘴升降機構  
(伺服驅動)  
Filling Nozzle Up / Down Device  
(Servo driven)

7 吋彩色觸控人機  
7" Color touch screen (HMI)



## FL-041W 自動 4 頭 秤重式 充填機

### Automatic 4 Nozzles Liquid Filling Machine (Weighing type)

#### 適用範圍

- 適用於各行業之具流動性的液體。
- 適合要求充填大容量的產品，並可設定連續充填以達到充填更大容量需求，大瓶小瓶一機搞定。
- 適用食品業、化工業、農藥...等。

#### 特色介紹

- 採用電子式 304 不鏽鋼秤台，可依不同充填容量 & 充填精度需求，客製化合適的荷重元。
- 扣重系統：可預先扣除瓶子重量，再秤實際液體重量，充填容量更精準。
- 充填系統採用「伺服馬達」，充填嘴伸入瓶內，液體高速充填時，不會噴濺至瓶外並降低液體起泡程度。
- 液體接觸面使用 316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍，衛生等級高。
- 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。
- 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。

#### 機台規格

機台尺寸	2500(長) x 1380(寬) x 2232(高) mm
動力需求	電壓 220V，頻率 50/60Hz，三相，視在功率 1.18KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 8 瓶 / 每分鐘 (以 4000ml 容量為例)
充填範圍	1500 ~ 4000 ml (可依客戶需求客製)
充填液位精度	± 4 g (以充填 4000 g 清水為例)
選配項目	(1) 補料泵浦 (2) 機台安全外罩 (3) 自動進瓶 / 收瓶轉盤

#### Field of Application

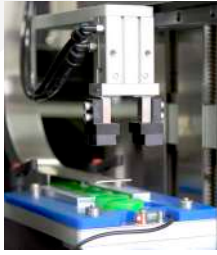
- Apply to various flowable liquids.
- For products which need high filling volume. Continuous filling to reach larger volume for different volume of products.
- Suitable for Food / Chemical industries, Pesticide...etc.

#### Features

- Electrical weighing system: SUS304 stainless electronic weigher. For different filling volume or filling accuracy are customizable with suitable load cells
- Tare weight system: Container weight is deducted in advance, so the filling volume is more accurate.
- Servomotor for filling system: Filling nozzles enter into bottles to prevent spraying out of bottle while filling and reduce foaming degree.
- Liquid contact parts made of 316L stainless steel, food grade silicone tube / wire hose, Teflon, meet high sanitary demands.
- Japan Mitsubishi PLC and 7" color touch screen (HMI). Filling volume and filling time can be set from the screen conveniently.
- 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.

#### Specifications

Machine Dimension	2500(L) x 1380(W) x 2232(H) mm
Power Requirement	220V, 50/60Hz, 3 Phases, 1.18KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> (prepare by buyer)
Production Capacity	About 8 PCS / per minute (based on 4000ml)
Filling Range	1500 ~ 4000 ml (Customizable)
Liquid-level Precision	± 4 g (based on filling 4000 g water)
Optional Item	(1) Liquid feeding pump (2) Machine safety cover (3) Feeding / Collection turntable



自動夾蓋裝置  
Automatic cap gripper



鎖蓋裝置  
(伺服驅動)  
Capping system  
(Driven by servomotor)



自動下蓋系統  
Automatic cap feeding system

## FL-041 & CP-150 自動充填機 & 自動下蓋鎖蓋機 (U 型生產線)

### Automatic Filling Machine & Capping Machine with Cap Feeding System ( U-shaped line)

#### 適用範圍

- 充填機：適合多種具流動性及無腐蝕性的液體。
- 鎖蓋機：適用多種尺寸圓形螺紋塑膠蓋／鋁蓋。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適合。
- U 形生產線：最適合廠房空間有限之生產需求。

#### 特色介紹

- 液體接觸面使用「316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍」；主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。
- 日本三菱 PLC，搭配日本富士 7 吋彩色人機觸控螢幕，可直接輸入所需充填量，直覺式操作最方便。
- 充填系統：採用「伺服馬達」，充填精準度高，充填速度可依液體特性自由調整。此外，充填嘴伸入瓶內，以不同之充填速度進行分段式充填，有效避免液體充填時噴濺至瓶外或降低起泡程度。
- 鎖蓋系統：採用「伺服馬達」控制鎖蓋扭力，不易刮傷瓶蓋表面。扭力值直接從觸控螢幕上輸入，設定方便且鎖蓋精確。
- 搭配自動下蓋系統，免人工逐瓶置蓋，節省人力提高產能。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆設定。

#### 機台規格

機台尺寸	2600(長) x 2600(寬) x 2100(高) mm
動力需求	電壓 220V，頻率 50/60Hz，三相，視在功率 5.25KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 16 ~ 20 瓶 / 每分鐘
充填精度	± 3 ml (以 1000 ml 為例)
選配項目	(1) 自動進瓶 / 收瓶轉盤 (圓瓶專用) (2) 補料泵浦

#### Field of Application

- Filling is applicable for many kinds of flowing and non-corrosive liquids.
- Capping is applicable for various flat screw caps.
- For square, round, oval bottles and other special shapes of container.
- U-shaped line: especially suitable to be used in limited plant space.

#### Features

- Liquid contact parts 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 7" color touch screen (HMI). Filling volume and filling time can be set from the screen conveniently.
- Filling system: Servomotor offers high filling precision. Filling speed can be adjusted based on liquid properties. Besides, Filling nozzles enter into bottles with different filling speed to prevent spraying out of bottle while filling proceeding and reduce foaming degree.
- Capping system: Capping torque is controlled by a servomotor to prevent surfaces of caps not to be scratched easily. The torque can be set conveniently from touch screen.
- Automatic cap feeding system improves the production efficiency and reduces labor cost of manual cap feeding.
- 50 sets of memory storage: Perfect for various products without repeated setting.

#### Specifications

Machine Dimension	2600(L) x 2600(W) x 2100(H) mm
Power Requirement	220V, 50/60Hz, 3 Phase, 5.25KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 16 ~ 20 PCS / per minute
Filling Precision	± 3 ml (based on filling 1000 ml)
Optional Item	(1) Automatic bottle feeding / collection turntable (only for round bottles) (2) Liquid feeding pump



## FC-115 2合1自動充填鎖蓋機 (小容量專用)

### 2-in-1 Automatic Filling & Capping Machine (for Small-volume products)

#### 適用範圍

- 充填: 適合多種具流動性及無腐蝕性的液體。
- 鎖蓋: 採用側旋式鎖蓋, 適合多種不同瓶蓋類型; 另可依據不同需求更換為其他鎖蓋方式。
- 適合小容量之瓶罐產品。
- 2合1機型: 適合廠房空間有限、少量多樣之自動化生產需求。

#### 特色介紹

- 液體接觸面使用 316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍; 主要結構採用 #304 不鏽鋼與鋁合金, 衛生等級高, 符合食品及醫藥業生產規範。
- 日本三菱 PLC, 搭配日本富士 7 吋彩色人機觸控螢幕, 可直接輸入所需充填量, 直覺式操作最方便。
- 充填系統: 採用「伺服馬達」, 充填精準度高, 充填速度可依液體特性自由調整。
- 鎖蓋系統: 採用「伺服馬達」控制鎖蓋扭力, 不易刮傷瓶蓋表面。扭力值直接從觸控螢幕上輸入, 設定方便且鎖蓋精確。
- 瓶器定位機構 & 夾瓶治具: 一定範圍內的瓶器可共用, 不需額外購買治具, 使用最彈性!
- 內建 50 組記憶模組, 適合生產多種產品, 不需重覆設定。

#### 機台規格

機台尺寸	2000(長) x 900(寬) x 1600(高) mm
動力需求	電壓 220V, 頻率 50/60Hz, 單相 / 三相, 視在功率 1.68KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 12 ~ 15 瓶 / 每分鐘 (以充填 30 ml 為例)
充填精度	± 0.5 g (以充填 20 g 清水為例)

#### Field of Application

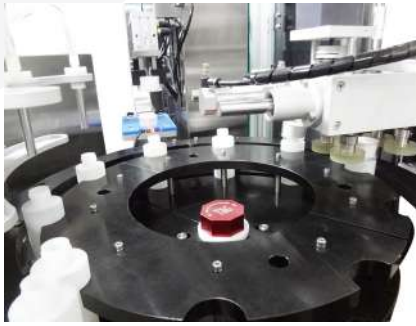
- Filling: Applicable for many kinds of flowable and non-corrosive liquids.
- Capping: Side-wrap capping is suitable for various caps. Different capping method can be chosen for special capping requirement.
- Best for small-volume containers.
- 2-in-1 design: Most suitable for small-volume large-variety production in a limited factory space.

#### Features

- Liquid contact parts 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 7" color touch screen (HMI). Filling volume is set by the screen conveniently.
- Filling system: Apply a servomotor to offer high filling precision. Filling speed can be adjusted from touch screen based on liquid properties.
- Capping system: Capping torque is controlled by servomotor to prevent the surfaces of caps from being scratched easily. The torque can be set conveniently from touch screen.
- Bottle feeding positioning system & Bottle clamp: Different bottles under the range of a certain specification can share the same set of bottle clamp. Most flexible for small packaging line.
- 50 sets of memory storage: Perfect for various products without repeated setting.

#### Specifications

Machine Dimension	2000(L) x 900(W) x 1600(H) mm
Power Requirement	220V, 50/60Hz, 1/3 Phases, 1.68KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> (prepare by buyer)
Production Capacity	About 12 ~ 15 PCS / per minute (based on filling 30 ml no foamy liquid)
Filling Precision	± 0.5 g (based on filling 20 g water)



星盤機構  
Indexing system



自動進料轉盤  
Automatic bottle feeding turntable

機台安全外罩  
Machine safety cover

自動收料轉盤  
Automatic bottle collection turntable

## FC-215 2 合 1 自動充填鎖蓋機 (星盤式 / 自動下蓋)

### 2-in-1 Automatic Filling & Capping Machine (Indexing type / with Cap feeding system)

#### 適用範圍

- 充填: 適合多種具流動性及無腐蝕性的液體。
- 鎖蓋: 採用側旋式鎖蓋, 適合多種不同瓶蓋類型。
- 星盤式設計, 最適合小容量不易站立或特殊造型之瓶罐產品。
- 2 合 1 機型: 適合廠房空間有限、產量不大之自動化生產需求。

#### 特色介紹

- 液體接觸面使用「316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍」; 主要結構採用 #304 不鏽鋼與鋁合金, 衛生等級高, 符合食品及醫藥業生產規範。
- 日本三菱 PLC, 搭配日本富士 7 吋彩色人機觸控螢幕, 可直接輸入所需充填量, 直覺式操作最方便。
- 充填系統: 採用「伺服馬達」, 充填精準度高, 充填速度可依液體特性自由調整。此外, 充填嘴伸入瓶內, 以不同之充填速度進行分段式充填, 有效避免液體充填時噴濺至瓶外或降低起泡程度。
- 鎖蓋系統: 採用「伺服馬達」控制鎖蓋扭力, 不易刮傷瓶蓋表面。扭力值直接從觸控螢幕上輸入, 設定方便且鎖蓋精確。
- 搭配自動下蓋系統, 免人工逐瓶置蓋, 節省人力提高產能。
- 內建 50 組記憶模組, 適合生產多種產品, 不需重覆設定。

#### 機台規格

機台尺寸	2700(長) x 2000(寬) x 1700(高) mm
動力需求	電壓 220V, 頻率 50/60Hz, 單相 / 三相, 視在功率 3.3KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 12 ~ 15 瓶 / 每分鐘
充填精度	± 1 ml (以 100 ml 為例)
選配項目	(1) 自動進瓶 / 收瓶轉盤 (圓瓶專用) (2) 第二組自動下蓋裝置 (當瓶蓋尺寸超過共用範圍時)

#### Field of Application

- Filling: Applicable for many kinds of flowable and non-corrosive liquids.
- Capping: Side-wrap capping is applicable for various caps.
- Indexing design: Suitable for small-volume products which are difficult to stand stably or special shapes of bottles.
- 2-in-1 design: Most suitable for automatic production demands by small production capacity in the smaller factory space.

#### Features

- Liquid contact parts 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 7" color touch screen (HMI). Filling volume is set by the screen conveniently.
- Filling system: Apply a servomotor to offer high filling precision. Filling speed can be adjusted from touch screen based on liquid properties. Besides, Filling nozzles enter into bottles with different filling speed to prevent spraying out of bottle while filling proceeding and reduce foaming degree.
- Capping system: Capping torque is controlled by a servomotor to prevent the surfaces of caps from being scratched easily. The torque can be set conveniently from touch screen.
- Automatic cap feeding device improves the production efficiency and reduces much labor cost.
- 50 sets of memory storage: Perfect for various products without repeated setting.

#### Specifications

Machine Dimension	2700(L) x 2000(W) x 1700(H) mm
Power Requirement	220V, 50/60Hz, 1 or 3 Phase, 3.3KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 12 ~ 15 PCS / per minute
Filling Precision	± 1 ml (based on filling 100 ml)
Optional Item	(1) Automatic bottle feeding / collection turn table (for round bottle only) (2) Second automatic cap-feeding device (for different size or shape of caps)



伺服馬達與自動夾瓶氣缸外側  
 另增加安全外罩  
 (此為 CE 版機型專屬設計)  
 Add safety covers on "Servomotors &  
 Cylinder of auto bottle clamp"  
 (Available for CE version only)

鎖蓋滾輪  
 Capping rollers



自動夾瓶裝置  
 Automatic bottle  
 clamp device



鎖蓋高度調整手輪 &  
 位置顯示器  
 Capping height adjusting device  
 & Position indicator

雙伺服馬達  
 (控制鎖蓋速度及扭力)  
 Twin servomotors  
 (for Capping speed and torque)



壓蓋穩定裝置  
 Capping stabilization device

## CP-015 半自動側旋式鎖蓋機 (雙伺服馬達)

### Semi-automatic Side-wrap Capping Machine (with Twin servomotors)

#### 適用範圍

- 採「側旋式」鎖蓋，適用各式瓶蓋：噴槍蓋、泵浦蓋、上掀蓋、圓帽蓋、防盜蓋、壓頭蓋、安全環蓋...等不同蓋型。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適用。
- 適合每日產能不高，但瓶蓋多樣化的生產需求。

#### 特色介紹

- 採用雙伺服馬達控制鎖蓋扭力與速度，不易刮傷瓶蓋表面。扭力值與轉速直接從觸控螢幕上輸入，設定方便且鎖蓋確實。
- 日本三菱 PLC，搭配台達 4.3 吋彩色觸控螢幕，操作簡單。
- 自動夾瓶裝置：置瓶後經電眼感應後，即自動夾持，鎖蓋過程免用手持。
- 使用者友善介面：快拆模組與免工具調整設計，換線超快速。
- 鎖蓋滾輪採用特殊彈性體，材質耐磨耗，免時常更換。
- 可記憶 50 組記憶模組，適合生產多種產品，不需重覆設定。
- 兩種啟動模式：任選「腳踏開關」或「電眼自動感應」啟動。

#### 機台規格

機台尺寸	730(長) x 640(寬) x 700(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 0.8KVA
需求空壓	3kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 12 ~ 15 瓶 / 每分鐘
適用瓶型	直徑：∅ 28 ~ 80 mm / 高度：70 ~ 280 mm
適用蓋型	直徑：∅ 22 ~ 55 mm (超出範圍可客製)
選配項目	工作台車 (桌面 #304 不鏽鋼 / 附腳輪)

#### Field of Application

- Side-wrap capping by 4 side-rotary wheels, suitable for various threaded caps: Sprayer / Pump Cap / Flip-up Cap / Child Resistant Cap / Tamper Resistant Caps, etc.
- Square, round, oval bottles and any special shape of bottles.
- For small-volume production but many kinds of cap type and size.

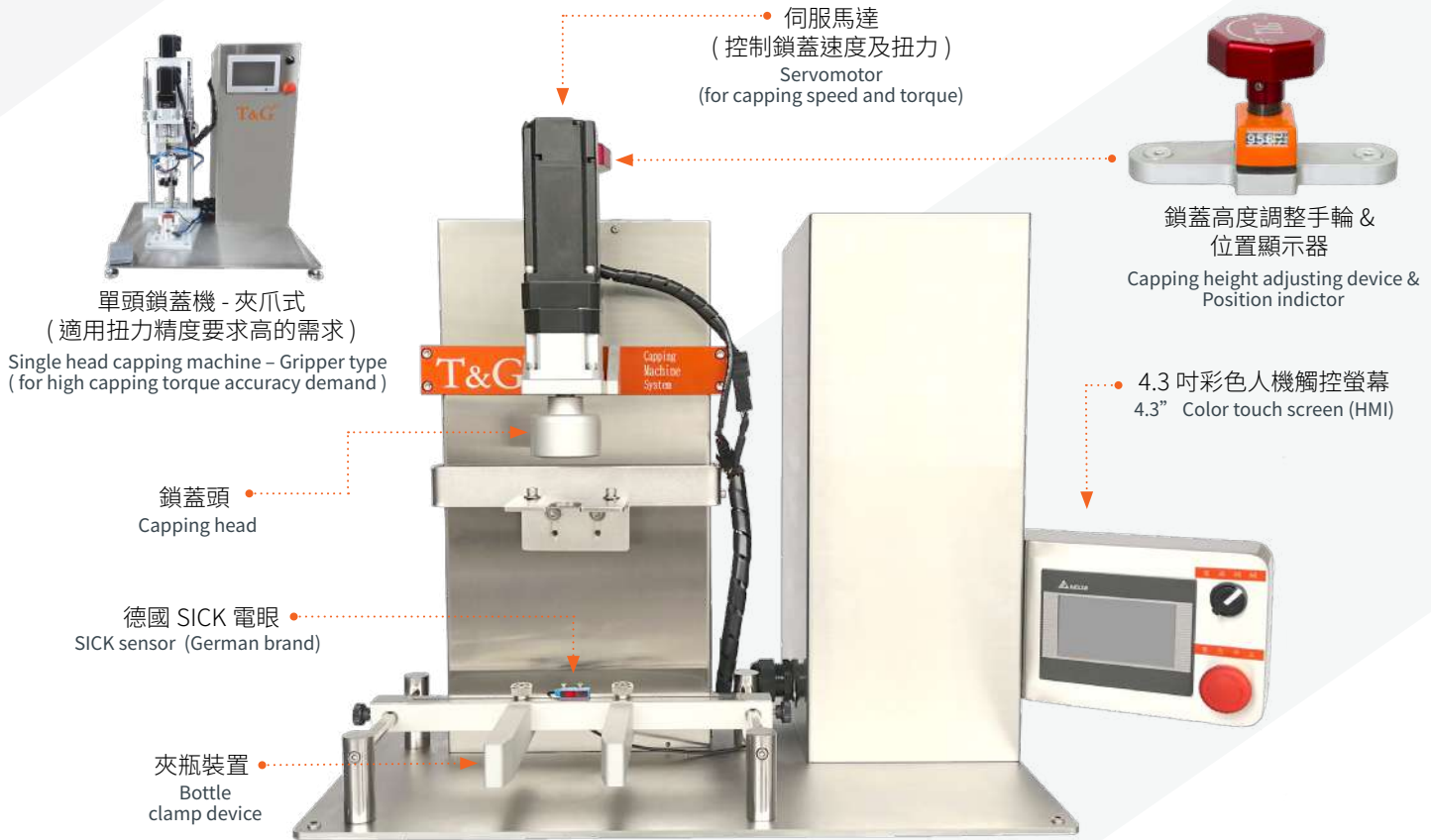
#### Features

- Capping torque and speed are controlled by 2 servomotors to prevent the surfaces of caps from being scratched easily. The torque and speed can be set conveniently from touch screen.
- Japan Mitsubishi PLC and 4.3" color touch screen (HMI) provide convenient operation.
- Automatic bottle clamp: Bottle will be clamped automatically when detecting the bottle by a sensor. Holding bottles by hands is not required while capping.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Capping rollers are made of special material for good abrasion resistance.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Two capping start-up modes: Foot switch or Photoelectric sensor.

#### Specifications

Machine Dimension	730(L) x 640(W) x 700(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 0.8KVA
Pneumatic Requirement	3kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 12 ~ 15 PCS / per minute
Applicable Bottle Size	Diameter: ∅ 28 ~ 80 mm / Height: 70 ~ 280 mm
Applicable Cap Size	Diameter: ∅ 22 ~ 55mm (Customized capping range is available)
Optional Item	Working table (Desktop #304 stainless steel / Castors attached)





## CP-010 半自動單頭式鎖蓋機 (伺服馬達)

### Semi-automatic Single Head Capping Machine (with Servomotor)

#### 適用範圍

- 適用圓形螺紋瓶蓋。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適合。
- 適合每日產能不高，蓋型變化少的生產需求。

#### 特色介紹

- 採用伺服馬達控制鎖蓋扭力與速度，不易刮傷瓶蓋表面。扭力值與轉速直接從觸控螢幕上輸入，設定方便且鎖蓋精確。
- 日本三菱 PLC，搭配 4.3 吋彩色觸控螢幕，操作簡單。
- 不同尺寸之瓶蓋，只需更換鎖蓋頭，一機可適用多種瓶蓋。
- 鎖蓋頭內部採用特殊彈性體，材質耐磨耗，免時常更換。
- 可記憶 50 組記憶模組，生產多種產品，不需重覆設定。
- 使用者友善介面：快拆模組與免工具調整設計，換線超快速。
- 兩種啟動模式：任選「腳踏開關」或「電眼自動感應」啟動。

#### 機台規格

機台尺寸	610(長) x 410(寬) x 610(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 0.4KVA
需求空壓	3kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 12 ~ 18 瓶 / 每分鐘
適用瓶型	直徑：∅ 21 ~ 80 mm / 高度：30 ~ 280 mm
適用蓋型	直徑：∅ 20 ~ 100 mm
選配項目	(1) 工作台車 (桌面 #304 不鏽鋼 / 附腳輪) (2) 自動夾瓶裝置 (置瓶後電眼感應自動夾持)

#### Field of Application

- Apply to various flat screw round caps.
- Square, round, oval bottles and other special shape of bottles.
- For small-volume production but not many kinds of round caps.

#### Features

- Capping torque and speed are controlled by a servomotor to prevent the surfaces of caps from being scratched easily. The torque and speed can be set conveniently from touch screen.
- Japan Mitsubishi PLC and 4.3" color touch screen (HMI) provide convenient operation.
- One capper is applicable for different sizes of flat screw round cap by just replacing capping heads.
- Inner part of capping head is made of special material for good abrasion resistance.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Two capping start-up modes: Foot switch or Photoelectric sensor.

#### Specifications

Machine Dimension	610(L) x 410(W) x 610(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 0.4KVA
Pneumatic Requirement	3kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 12 ~ 18 PCS / per minute
Applicable Bottle Size	Diameter: ∅ 21 ~ 80 mm / Height: 30 ~ 280 mm
Applicable Cap Size	Diameter: ∅ 20 ~ 100 mm
Optional Item	(1) Working table (Desktop #304 stainless steel / Castors attached) (2) Automatic bottle clamp device (Start up by a sensor automatically)



鎖蓋裝置  
Capping system

伺服馬達  
(控制鎖蓋速度及扭力)  
Servomotor  
(for capping speed and torque)



壓蓋穩定裝置  
Capping stabilization device



便利調整手輪  
& 位置顯示器  
Front / Back adjusting device & Position indicator



自動夾瓶裝置  
Automatic bottle clamp device



## CP-155 自動側旋式鎖蓋機 (雙伺服馬達)

### Automatic Side-wrap Capping Machine (with Twin servomotors)

#### 適用範圍

- 採「側旋式」鎖蓋，適用多種瓶蓋：一般螺旋圓蓋、噴槍蓋、泵浦蓋、上掀蓋、圓帽蓋、防盜蓋、安全環蓋...等不同蓋型。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適用。
- 適合產品多樣化的生產需求，可連線生產或單機使用。

#### 特色介紹

- 採用雙伺服馬達控制鎖蓋扭力，不易刮傷瓶蓋表面。扭力值與轉速直接從觸控螢幕上輸入，設定方便且鎖蓋鬆緊度精確。
- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡單。
- 主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。
- 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。
- 鎖蓋滾輪採用特殊彈性體，材質耐磨耗壽命長，免時常更換。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆設定。
- 依瓶蓋造型不同，可選購自動下蓋系統，提升產能且節省人力。

#### Field of Application

- Side-wrapping by 4 capping wheels, especially suitable for normal round screw caps and various specialty caps, such as spray cap, pump cap, flip-up cap, child resistant cap, tamper resistant cap, etc.
- For square, round, oval bottles and any special shape of bottles.
- A wide range of bottles and caps are applicable for a packaging production line or separate operation.

#### Features

- Capping torque is controlled by 2 servomotors to prevent surfaces of caps not to be scratched easily. The torque can be set conveniently from touch screen for accurate capping tightness.
- Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Main structure is made of #304 stainless steel and aluminum alloy meet high sanitary demands for food and pharmaceutical industries.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Capping rollers are made of special material for good abrasion resistance with long durable quality.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Optional automatic cap-feeding system increases much production efficiency and reduces labor cost.

#### 機台規格

機台尺寸	1500(長) x 750(寬) x 1650(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相 / 三相，視在功率 0.9KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 15 ~ 20 瓶 / 每分鐘
適用瓶型	直徑: Ø 28 ~ 150 mm / 高度: 70 ~ 280 mm
適用蓋型	直徑: Ø 20 ~ 55 mm (超出範圍可客製)
選配項目	(1) 自動進瓶 / 收瓶轉盤 (圓瓶專用) (2) 自動下蓋系統

#### Specifications

Machine Dimension	1500(L) x 750(W) x 1650(H) mm
Power Requirement	220V, 50/60Hz, 1 or 3 Phase, 0.9KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 15 ~ 20 PCS / per minute
Applicable Bottle Size	Diameter: Ø 28 ~ 150 mm / Height: 70 ~ 280 mm
Applicable Cap Size	Diameter: Ø 20 ~ 55mm (Customized capping range is available)
Optional Item	(1) Automatic bottle feeding / collection turntable (only for round bottles) (2) Automatic cap-feeding system



## CP-155SS+G 自動側旋式鎖蓋機 + 自動下蓋系統 (雙伺服馬達)

### Automatic Side-wrap Capping Machine + Cap Feeding System (with Twin servomotors)

#### 適用範圍

- 採「側旋式」鎖蓋，適用多種瓶蓋：一般螺旋圓蓋、噴槍蓋、泵浦蓋、上掀蓋、圓帽蓋、防盜蓋、安全環蓋...等不同蓋型。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適用。
- 適合產品多樣化的生產需求，可連線生產或單機使用。

#### 特色介紹

- 採用「雙伺服馬達」控制鎖蓋扭力，不易刮傷瓶蓋表面。扭力值與轉速直接從觸控螢幕上輸入，設定方便且鎖蓋鬆緊度精確。
- 皮帶式夾瓶裝置：夾瓶更順暢穩定，減少下蓋及鎖蓋動作之時間，提高生產速度。
- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，操作簡單。
- 主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。
- 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。
- 鎖蓋滾輪採用特殊彈性體，材質耐磨耗壽命長，免時常更換。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆設定。
- 自動下蓋系統：依不同瓶蓋造型可另外加購，不僅提升產能又節省手動置蓋之人力成本。

#### 機台規格

機台尺寸	3000(長) x 1080(寬) x 2450(高) mm
動力需求	電壓 220V，頻率 50/60Hz，三相，視在功率 2.2KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 30 ~ 40 瓶 / 每分鐘
適用瓶型	直徑：Ø 28 ~ 150 mm / 高度：70 ~ 280 mm
適用蓋型	直徑：Ø 20 ~ 55 mm (超出範圍可客製)
選配項目	(1) 自動進瓶 / 收瓶轉盤 (圓瓶專用) (2) 機台安全外罩

#### Field of Application

- Side-wrapping by 4 capping rollers, especially suitable for normal round screw caps and various specialty caps, such as spray cap, pump cap, flip-up cap, child resistant cap, tamper resistant cap, etc.
- For square, round oval bottles and any special shape of bottles.
- Applicable for a packaging production line or separate operation.

#### Features

- Capping torque is controlled by 2 servomotors to prevent surfaces of caps not to be scratched easily. The torque can be set conveniently from touch screen for accurate capping tightness.
- Belt bottle clamp device: Increase clamping stability and reduce time of cap feeding and capping action to improve production capacity.
- Japan Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Main structure is made of #304 stainless steel and aluminum alloy meet high sanitary demands for food and pharmaceutical industries.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Capping rollers are made of special material for good abrasion resistance with long durable quality.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Cap-feeding system: Automatic cap-feeding device improves much production efficiency without feeding caps manually.

#### Specifications

Machine Dimension	3000(L) x 1080(W) x 2450(H) mm
Power Requirement	220V, 50/60Hz, 3 Phase, 2.2KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 30 ~ 40 PCS / per minute
Applicable Bottle Size	Diameter: Ø 28 ~ 150 mm / Height: 70 ~ 280 mm
Applicable Cap Size	Diameter: Ø 20 ~ 55 mm (Customized capping range is available)
Optional Item	(1) Automatic bottle feeding / collection turntable (only for round bottles) (2) Machine safety cover



伺服馬達鎖蓋裝置  
 Capping system with servomotor



便利調整手輪 & 位置顯示器  
 Front / Back adjusting device & Position indicator



自動夾蓋裝置  
 Automatic cap gripper



自動分瓶裝置  
 Automatic bottle dividing device

## CP-150S+G 自動單頭式鎖蓋機 + 自動下蓋系統 (伺服馬達)

### Automatic Single Head Capping Machine + Cap Feeding System (with Servomotor)

#### 適用範圍

- 適用多種圓形螺紋瓶蓋。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適用。
- 自動下蓋系統適合圓型瓶蓋尺寸變化少、欲提升產量的需求。

#### 特色介紹

- 採用伺服馬達控制鎖蓋扭力，不易刮傷瓶蓋表面。扭力值與轉速直接從觸控螢幕上輸入，設定方便且鎖蓋精確。
- 日本三菱 PLC，搭配 7 吋彩色觸控螢幕，操作簡單。
- 不同尺寸之瓶蓋，只需更換鎖蓋頭，一機可適用多種蓋型。
- 鎖蓋頭採用特殊彈性體，材質耐磨耗，免時常更換。
- 可記憶 50 組配方，生產多種產品，不需重覆設定。
- 使用者友善介面：快拆模組與多數免工具調整設計，換線快速。
- 依瓶蓋造型不同，增購第二組自動下蓋裝置，可節省人力成本並提升產能。

#### 機台規格

機台尺寸	2000(長) x 1400(寬) x 1620(高) mm
動力需求	電壓 220V，頻率 50/60Hz，三相，視在功率 1.7KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 15~20 瓶 / 每分鐘
適用瓶型	直徑：∅ 28 ~ 150 mm / 高度：70 ~ 280 mm
適用蓋型	直徑：∅ 20 ~ 50 mm
選配項目	(1) 自動進瓶 / 收瓶轉盤 (圓瓶專用) (2) 第二組自動下蓋裝置 (供不同尺寸瓶蓋使用)

#### Field of Application

- Apply to various flat screw caps.
- For square, round, oval bottles and any special shape of bottles.
- Automatic cap feeding device is suitable for a production line of less variety of round screw cap size but higher daily production volume.

#### Features

- Capping torque and speed are controlled by a servomotor to prevent the surfaces of caps not to be scratched easily. The torque can be set conveniently from touch screen.
- Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- One capper is applicable for various flat screw cap by replacing capping heads.
- Capping head is made of special material for good abrasion resistance.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Second unit of automatic cap-feeding device is required for different caps to increase much production efficiency and also reduce much labor cost.

#### Specifications

Machine Dimension	2000(L) x 1400(W) x 1620(H) mm
Power Requirement	220V, 50/60Hz, 3 Phase, 1.7KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 15~20 PCS / per minute
Applicable Bottle Size	Diameter: ∅ 28 ~ 150 mm / Height: 70 ~ 280 mm
Applicable Cap Size	Diameter: ∅ 20 ~ 50 mm
Optional Item	(1) Automatic bottle feeding / collection turntable (only for round bottles) (2) Second automatic cap-feeding device (For different size of caps)



## RS-020A 半自動氣洗洗瓶機 (雙頭)

### Semi-automatic Bottle Air Rinsing Machine (Twin nozzles)

#### 適用範圍

- 適合多種塑膠 / 玻璃 / 金屬材質瓶罐之氣洗洗瓶。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適用。
- 最適合產品少量多樣的生產環境，可快速更換不同瓶型。

#### 特色介紹

- 洗瓶系統採用「靜電消除氣體」吹入瓶內，搭配「真空抽取裝置」瞬間抽取瓶內懸浮污染物，不殘留灰塵毛屑而達到潔淨效果。
- 直覺式的操作介面，可快速完成設定與調整，非專業人員也可迅速上手。
- 不需使用任何夾具，只需直接放置於洗瓶機上，以雙手握緊即可，可節省大量更換模具時間與成本。
- 採用德國知名 SICK 感測器 (電眼)，感應準確、品質優異。
- 體積輕巧，可任意變換擺放位置，空間利用最靈活。

#### 機台規格

機台尺寸	605(長) x 560(寬) x 500(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 70VA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 12 ~ 16 瓶 / 每分鐘
適用瓶器尺寸	瓶口內徑：Φ10 ~ 55 mm 瓶器直徑：< 95 mm 瓶器高度：50 ~ 200 mm
選配項目	(1) 工作台車 (桌面 #304 不鏽鋼 / 附腳輪) (2) 抗菌除菌三道空氣過濾器 (日本製)

#### Field of Application

- Air rinsing for plastic, glass and metal bottles and containers.
- Square, round, oval bottles and other special shape of bottles.
- Small-volume production of a wide range of different products.

#### Features

- Rinsing system: Electrostatic elimination air is blown into bottles, then dust particles inside bottles are cleaned up by vacuuming immediately.
- Intuitive interface: Everyone can operate this rinser easily without professional techniques.
- Bottle clamp and mold are not required. Save cost and changeover time.
- SICK (German brand) photoelectric sensor has excellent and accurate detection performance.
- Light weight design: The rinser can be moved easily and just needs a little space.

#### Specifications

Machine Dimension	605(L) x 560(W) x 500(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 70VA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 12 ~ 16 PCS / per minute
Applicable Bottle Specification	Bottle mouth inner diameter : Φ10 ~ 55 mm Bottle diameter : < 95 mm Bottle height : 50 ~ 200 mm
Optional Item	(1) Working table (Desktop #304 stainless steel / Castors attached) (2) Anti-bacterial & bacteria removing filter (Made in Japan)



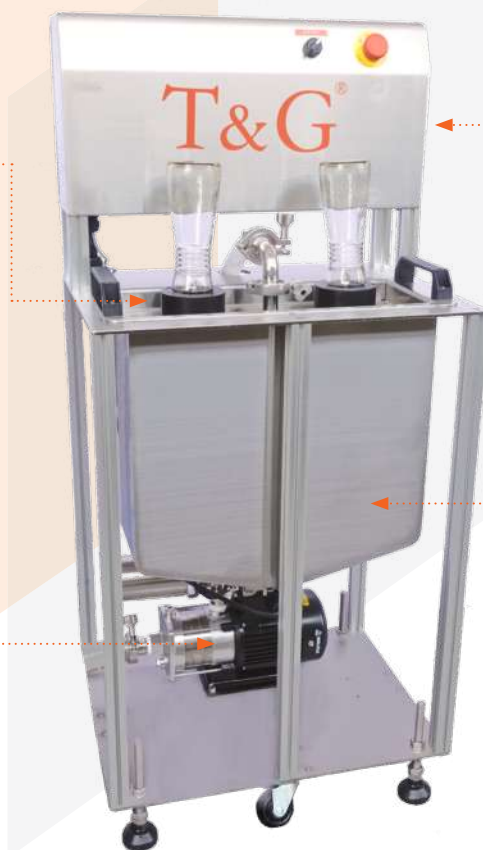
客製化水洗模具  
& SUS316 不鏽鋼水洗噴頭  
Custom-designed mold  
& SUS316 Stainless steel rinsing nozzle



洗瓶時間旋鈕  
Rinsing time knob

加壓泵浦  
Pressuring pump

SUS304 不鏽鋼機身  
& 集水槽  
SUS304 Stainless steel main structure  
& Drainage tank



## RS-020W 半自動水洗洗瓶機 (雙頭)

### Semi-automatic Bottle Water Rinsing Machine (Twin Nozzles)

#### 適用範圍

- 適合塑膠/玻璃材質瓶罐容器之水洗洗瓶清潔。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適合。
- 最適合產品少量多樣的生產環境，可快速更換不同瓶型。

#### 特色介紹

- 人性化洗瓶機設計，採用腳踏開關，操作簡單易上手。
- 清洗噴嘴採用 #316 不鏽鋼；主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。
- 採用變頻器控制系統，洗瓶時間與水壓強度皆可彈性調整。
- 瓶口直徑在模具範圍內，不同瓶子可共用一組模具，不必頻繁更換模具，大幅節省成本與時間。
- 洗瓶模具依瓶型客製，完全量身訂做，最符合生產需求。
- 可連接與純水或臭氧水設備 (水源須由客戶自備)。

#### 機台規格

機台尺寸	600(長) x 530(寬) x 1317(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，功率 0.75KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請客戶自備空壓來源)
機台產能	約 12 瓶 / 每分鐘 (以 250ml 清洗 3 秒為例)
適用瓶型	各式瓶型與容量 (依需求客製)

#### Field of Application

- For water rinsing plastic or glass bottles & containers.
- Square, round, oval bottles and other special shape of bottles.
- Small-volume production of a wide range of different products.

#### Features

- Rinsing procedures can be started up with a foot switch.
- Control system: Washing time and water pressure can be adjusted conveniently from inverter.
- Rinsing nozzles are made of #316 stainless steel, main structure is made of #304 stainless steel and aluminum alloy meet high sanitary demands for food and pharmaceutical industries.
- Bottles with similar Shape / Diameter / Bottle Mouth Size can share the same set of bottle mold.
- Rinsing molds are completely customized according to your bottles for the best washing performance.
- Compatible with additional pure water or ozone (O3) water supply equipment. (The water supply equipment is prepared by the buyer)

#### Specifications

Machine Dimension	600(L) x 530(W) x 1317(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 0.75KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> (prepare by the buyer)
Production Capacity	About 12 PCS / per minute (based on 250ml bottle of rinsing 3 seconds)
Applicable Bottle Size	Apply to all kinds of bottle shape and volume. (Bottle mold will be customized)



便利調整手輪  
& 位置顯示器  
Adjusting device  
& Position indicator



氣洗噴頭  
Air-rinsing nozzles



客製翻轉架  
(伺服馬達驅動)  
Custom-made bottle rotary rack  
(Driven by servomotor)



自動收瓶轉盤  
Automatic collection  
turntable



## RS-041A 自動 4 頭氣洗洗瓶機

### Automatic 4 Nozzles Bottle Air Rinsing Machine

#### 適用範圍

- 適用各種材質塑膠及玻璃瓶罐之氣洗式洗瓶。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適合。
- 可連線生產或單機使用。

#### 特色介紹

- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，洗瓶時間與速度可經由螢幕直接輸入，操作快速簡便。
- 「伺服馬達」驅動翻轉系統，比傳統氣缸式翻轉更容易調整設定。
- 搭配「客製翻轉架」：夾瓶翻轉動作順暢，清洗時穩定不晃動。
- 噴嘴「潛入式清洗」：減少氣洗時微粒粉塵向外噴散。
- 機台外罩：將灰塵阻隔在洗瓶機內避免污染生產區域，並預防外部落塵污染。
- 若瓶口直徑或瓶子重量在允許範圍內，不同瓶子可共用同一組夾瓶裝置。
- 內建 50 組記憶模組，適合生產多種產品，不需重複輸入設定。

#### 機台規格

機台尺寸	2500(長) x 1090(寬) x 1860(高)
動力需求	電壓 220V，頻率 50/60Hz，三相，視在功率 1.9KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 12 ~ 16 瓶 / 每分鐘 (以 100ml 清洗 4 秒為例)
適用瓶型	直徑：∅ 50 ~ 80 mm / 高度：100 ~ 220 mm
選配項目	(1) 自動進瓶 / 收瓶轉盤 (圓瓶專用) (2) 出瓶輸送帶之防塵外罩

#### Field of Application

- Air rinsing for various plastic and glass bottles.
- For square, round, oval and other special shape of bottles.
- Packaging production line or separate operation are both applicable.

#### Features

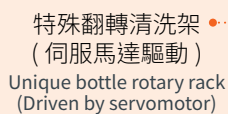
- Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation. The rinsing time and speed can be set from the screen directly.
- Bottle rotary system: Driven by servomotor, rinsing procedure is more stable and adjustments are much simple than traditional pneumatic cylinder.
- Custom-made bottle rotary rack offers stable and smooth rinsing performance.
- Rinsing nozzles will insert into bottles to prevent dust spraying while air rinsing.
- Machine cover blocks dust inside the machine to prevent polluting production area, also avoids dust falling into the machine.
- Bottles with similar bottle mouth size can share the same set of bottle clamp.
- 50 sets of memory storage: Perfect for various products without repeated setting.

#### Specifications

Machine Dimension	2500(L) x 1090(W) x 1860(H)
Power Requirement	220V, 50/60Hz, 3 Phase, 1.9KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 12 ~ 16 PCS / per minute (based on 100ml bottle of rinsing 4 seconds)
Bottle Diameter & Height	Diameter: ∅ 50 ~ 80 mm / Height: 100 ~ 220 mm
Optional Item	(1) Automatic feeding / collection turntable (for round bottles only) (2) Dustproof cover of bottle outfeed conveyor



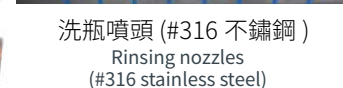
機台安全外罩  
Machine safety cover



特殊翻轉清洗架  
(伺服馬達驅動)  
Unique bottle rotary rack  
(Driven by servomotor)



客製化夾瓶模具  
Custom-made bottle clamp



洗瓶噴頭 (#316 不鏽鋼)  
Rinsing nozzles  
(#316 stainless steel)



## RS-081W 自動 8 頭水洗洗瓶機

### Automatic 8 Nozzles Bottle Water Rinsing Machine

#### 適用範圍

- 適用各種材質塑膠及玻璃瓶罐之水洗洗瓶 (冷水 / 熱水皆可)。
- 方瓶、圓瓶、橢圓瓶及各式特殊瓶型皆適合。
- 可連線生產或單機使用。

#### 特色介紹

- 日本三菱 PLC，搭配 7 吋彩色人機觸控螢幕，洗瓶時間與速度可經由螢幕直接輸入，操作快速簡便。
- 伺服馬達驅動翻轉系統，比傳統氣缸式翻轉更容易調整設定。
- 搭配「特殊翻轉架」：夾瓶翻轉動作順暢，清洗時穩定不晃動。
- 噴嘴「潛入式清洗」：減少水洗時水花向外噴散。
- 機台外罩：將水份阻隔在洗瓶機內避免污染生產區域，並預防外部落塵污染。
- 依不同瓶型尺寸進行夾瓶模具客製，確保每組模具精確符合每種瓶型。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆輸入設定。

#### 機台規格

機台尺寸	3000(長) x 1080(寬) x 2440(高) mm
動力需求	電壓 220V，頻率 50/60Hz，三相，視在功率 1.35KVA
機台產能	約 24 ~ 32 瓶 / 每分鐘 (以 250ml 清洗 4 秒為例)
適用瓶型	直徑：Ø 50 ~ 80 mm / 高度：100 ~ 220 mm
選配項目	(1) 自動進瓶 / 收瓶轉盤 (圓瓶專用) (2) 出瓶輸送帶之防塵外罩

#### Field of Application

- Suitable for Plastic / Glass / Metal bottle and container inner cleaning (Cool and Hot water are both applicable)
- Flat / Square / Oval bottles and special shapes of bottles are all applicable.
- Packaging production line or separate operation are both applicable.

#### Features

- Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation. Rinsing time and speed can be set from the screen directly.
- Bottle rotary system: Driven by servomotor, rinsing procedure is more stable and adjustments are more simple than traditional pneumatic cylinder.
- Unique bottle rotary system offers stable and smooth rinsing performance.
- Insert-type rinsing nozzles & machine cover: Prevent spraying while water rinsing or dust falling after rinsing.
- Bottles with similar bottle mouth size and bottle diameter can share the same set of bottle clamp.
- 50 sets of memory storage: Perfect for various products without repeated setting.

#### Specifications

Machine Dimension	3000(L) x 1080(W) x 2440(H) mm
Power Requirement	220V, 50/60Hz, 3 Phase, 1.35KVA
Production Capacity	About 24 ~ 32 PCS / per minute (based on 250ml bottle of rinsing 4 seconds)
Bottle Diameter & Height	Diameter: Ø 50 ~ 80 mm / Height: 100 ~ 220 mm
Optional Item	(1) Automatic feeding / collection turntable (for round bottles only) (2) Dustproof cover of bottle outfeed conveyor

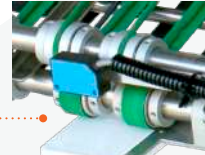




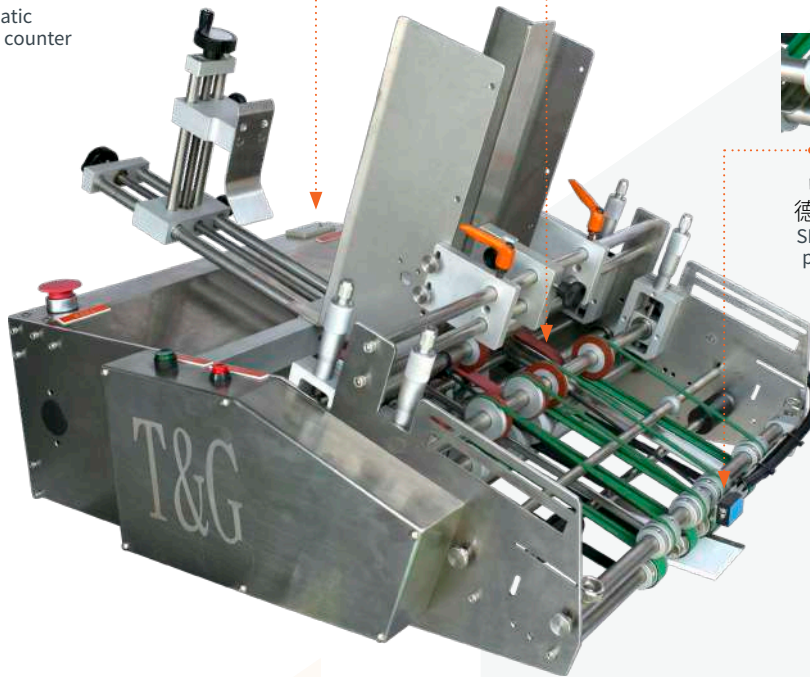
產量自動計數器  
Automatic production counter



歐洲進口皮帶  
Belts are imported from Europe



德國 SICK 測物電眼  
SICK (German-brand) photoelectric sensor for feeding



分張機搭配噴印機 (選配)  
& 工作台車 (選配)  
Compatible with Inkjet Printer & Working table



AI-450S 人機集料型分張機  
& 工作台車 (選配)  
Friction Feeder (model:AI-450S)  
With PLC system & Working table



AI-470 真空吸取式分張機  
Friction Feeder (Vacuum type)  
(model:AI-470)

## AI-450 自動下料分張機 (專利產品)

### Automatic Friction Feeding Machine (Patent product)

#### 適用範圍

- 適合扁平薄型之塑膠類與紙類產品：未成型紙盒 / 塑料袋 / 紙袋 / 面膜袋 / 鋁箔袋 / 卡片 / 型錄 DM / 等。
- 可連接輸送帶與貼標機 / 噴印機 / 熱轉印機...等自動化設備。

#### 特色介紹

- 高速自動下料，較人力分張速度快上N倍，省時省成本。
- 分張系統採用步進馬達，可高速並穩定完成分張下料。
- 特別採用歐洲進口皮帶，不易磨耗斷裂，堅固耐用壽命長。
- 分張自動計數功能，輕鬆統計每日生產量。
- 使用者友善介面：多數免工具調整設計，換線快速。
- 獨家取得專利，全程台灣研發製造，品質一級棒。
- 另一機型「AI-450S 人機集料型分張機」：控制系統採用日本三菱 PLC & 彩色觸控人機螢幕，可提供間歇性分張與更多進階功能。

#### Field of Application

- Sheet-shape flat products: unfolded paper box, plastic pouch, facial mask aluminum bag, paper bag, card, brochure, etc.
- Compatible with conveyors, labelers and many kinds of inkjet & heat transfer printers.

#### Features

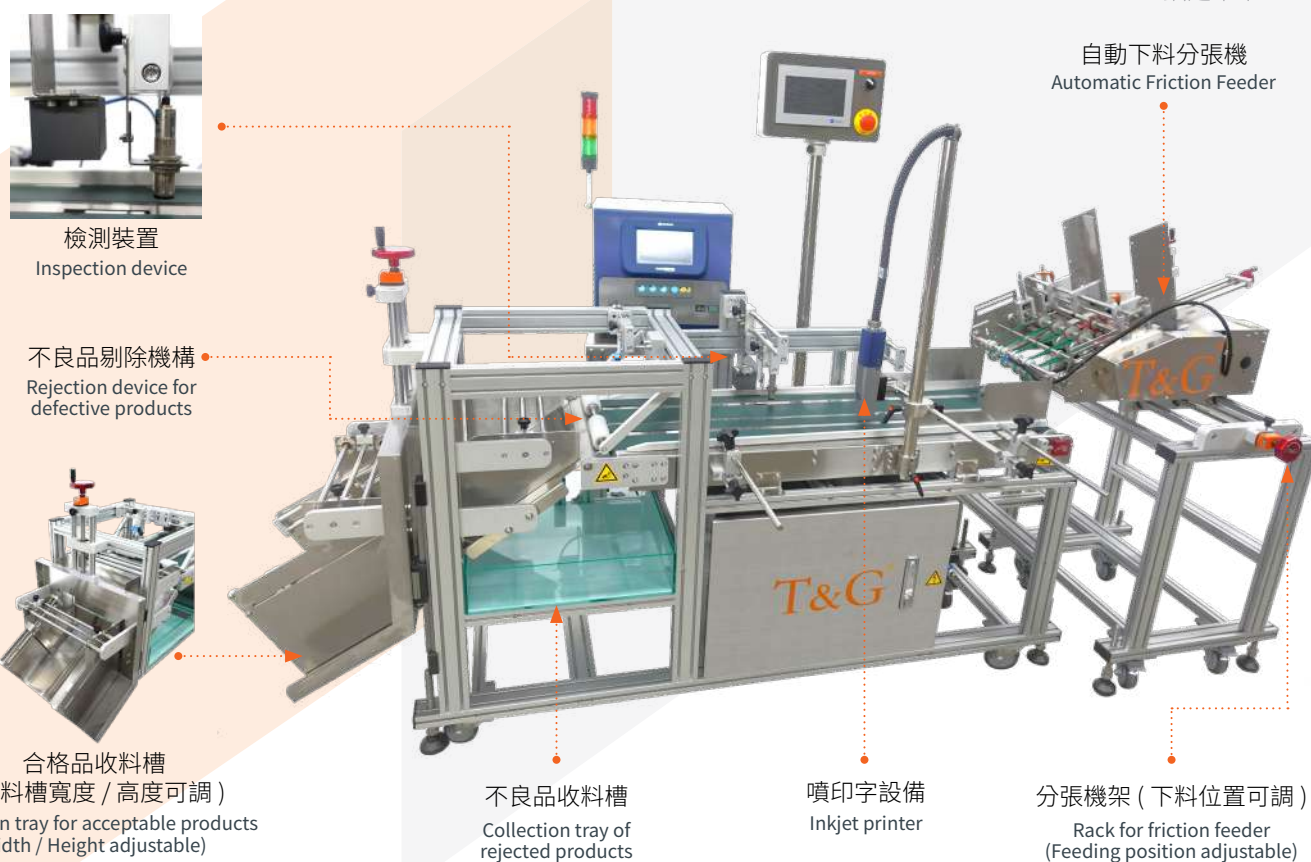
- Feed sheet-shape products at ultra-high speed. Production becomes more efficient and the labor cost is much lower compared to manual feeding.
- Stepper motor in feeding system provides the stable feeding performance at high speed.
- Belts imported from Europe are durable for good abrasion resistance.
- Production counter helps to record daily production automatically.
- This patented friction feeder is made in Taiwan. All production procedures from R&D to assembly are proceeded by T&G.
- Another model AI-450S: There are more functions, such as regular intermittent feeding and stacking products by required quantities. Apply Mitsubishi PLC with color touch screen (HMI) for control system.

#### 機台規格

機台尺寸	700(長) x 560(寬) x 480(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 60VA
適用產品尺寸	最大 380(長) x 380(寬) x 3(厚) mm(超過此範圍可客製)
機台產能	約 10 ~ 40 公尺 / 每分鐘
選配項目	(1) 工作台車 (桌面 #304 不鏽鋼 / 附腳輪) (2) 噴印機 / 熱轉印機 (印日期、批號、條碼... 另含可調整支撐座)

#### Specifications

Machine Dimension	700(L) x 560(W) x 480(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 60VA
Applicable Product Size	Max. 380(L) x 380(W) x 3(H) mm (customizable for larger products)
Production Capacity	About 10 ~ 40 Meters / per minute
Optional Item	(1) Working table (Desktop #304 stainless steel / Castors attached) (2) Inkjet printer / Heat transfer printer (for Date, Batch no., Barcode, Support rack included)



## AI-450I 自動下料檢測系統 (不良品自動剔除)

### Automatic Feeding Inspection System (Rejection device for defective products)

#### 適用範圍

- 適合扁平薄型之塑膠類與紙類產品：攤開紙盒 / 塑料袋 / 紙袋 / 面膜袋 / 鋁箔袋 / 卡片 / 型錄 DM / 等自動下料。
- 檢查噴印於產品包裝上的條碼與文字，確保資訊正確。

#### 特色介紹

- 高速自動下料，較人力分張速度快上N倍，省時省成本。
- 分張系統採用步進馬達，可高速並穩定完成分張下料。
- 採用日本三菱 PLC & 7 吋彩色觸控人機螢幕，操作簡易。
- 依「印刷文字、系統內容」執行交叉比對，確保資訊正確無誤。
- 不良品影像記錄功能。
- 剔除裝置：經檢測系統判別為不合格產品，會被自動剔除至不良品收料槽內。
- 適合搭配噴印字設備，可整合多家知名廠牌。

#### 機台規格

機台尺寸	2600(長) x 800(寬) x 1600(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相
適用產品尺寸	最大 380(長) x 380(寬) x 3(厚) mm
機台產能	約 10 ~ 45 米 / 每分鐘
選配項目	噴印機 (印日期、批號、條碼... 另含可調整支撐座)

#### Field of Application

- Automatic feeding for sheet-shape flat products: unfolded paper box, plastic pouch, facial mask aluminum bag, paper bag, card, brochure, etc.
- Check barcode, date, batch no. etc. on product packaging to ensure all information are correct..

#### Features

- Feed sheet-shape products at ultra-high speed. Production becomes more efficient and the labor cost is much lower compared to manual feeding.
- Stepper motor in feeding system provides the stable feeding performance at high speed.
- Main control system: Japan Mitsubishi PLC and 7" color touch screen(HMI), most data can be set from screen conveniently.
- Cross-comparison between printed texts, barcode, database texts to ensure all contents are correct.
- Record function for inspection images of defective product.
- Rejection device: Products which are inspected to be defective will be rejected automatically to the collection tray of rejected products.
- Compatible with Inkjet Printer. Many famous brands of printer are available to be integrated.

#### Specifications

Machine Dimension	2600(L) x 800(W) x 1600(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase
Applicable Product Size	Max. 380(L) x 380(W) x 3(H) mm
Production Capacity	About 10 ~ 45 meters/min
Optional Item	Inkjet printer (for Date, Batch no., Barcode, Support rack included)



# AI-750 自動吸取式下料分張機

## Automatic Vacuum Feeding Machine

### 適用範圍

- 扁平薄型之袋類產品：夾鏈袋 / 塑料袋 / 鋁箔袋 / 面膜袋...等。
- 適合因袋子材質或尺寸限制，而無法使用在標準型磨擦式分張下料機（型號：AI-450）之袋類產品。
- 可連線生產或單機使用。

### 特色介紹

- 吸取式下料：當產品不適用於標準磨擦式下料時，可採用此方式解決自動下料的需求。
- 吸取下料裝置：採用氣缸搭配高品質吸盤，準確並穩定完成分張下料至輸送帶上。
- 日本三菱 PLC，搭配日本富士 7 吋彩色人機觸控螢幕，操作簡易。
- 分張自動計數功能，輕鬆統計每日生產量；亦可設定連續或間歇式批量下料，配合多種生產需求。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆設定。
- 便利手輪裝置搭配德國品牌之位置顯示器，可精確調整吸取位置，輕鬆不費力。
- 主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。

### Field of Application

- Apply to sheet-shape pouch products: zipper bag, plastic pouch, aluminum pouch, facial mask bag, etc.
- For some pouch materials or sizes which cannot be applied to a standard type of Friction Feeder (model: AI-450)
- Applicable for a packaging production line or separate operation.

### Features

- Vacuum feeding: The best solution for some products which are unable to be fed by the standard friction feeding method.
- Vacuum feeding device: Products can be fed onto the conveyor stably and accurately by high-quality suction cups combined with air cylinders.
- Japan Mitsubishi PLC and 7" color touch screen (HMI) provide convenient operation.
- Digitalized control system offers more useful functions, such as recording daily production volume, setting regular intermittent feeding and stacking products by required quantities.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Adjust and record the feeding position conveniently by a hand-wheel device combined with a position indicator.
- Main structure is made of #304 stainless steel and aluminum alloy meet high sanitary demands for food and pharmaceutical industries.

### 機台規格

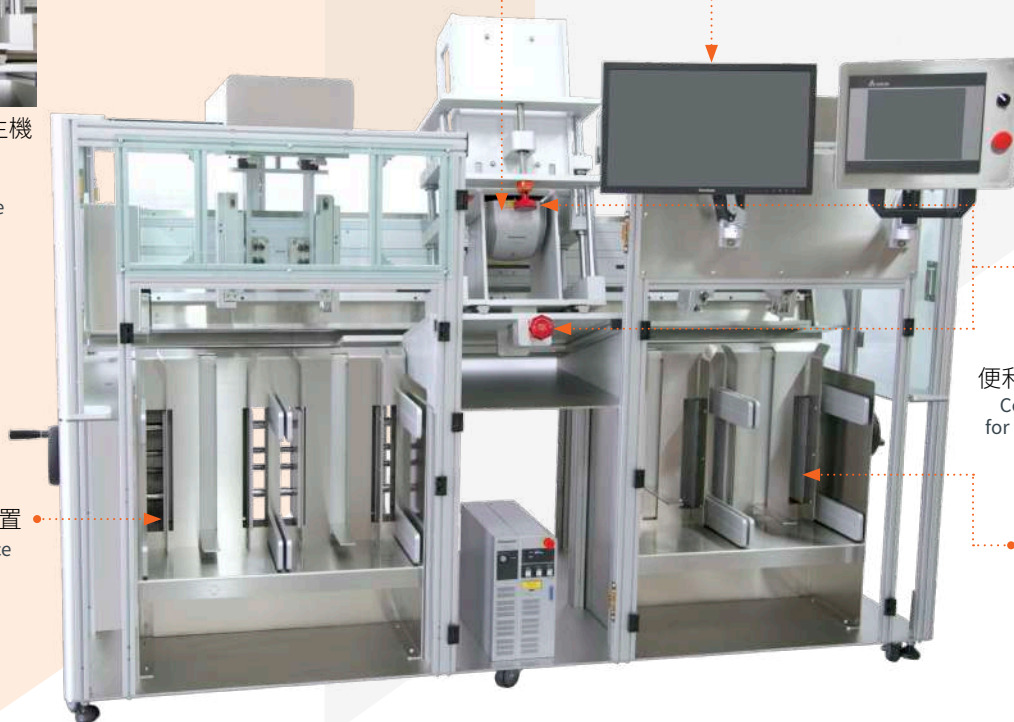
機台尺寸	1750(長) x 650(寬) x 1300(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 30VA
需求空壓	4kg/cm <sup>2</sup> 以上 (請自備空壓來源)
適用產品尺寸	50~300(長) x 50~220(寬) x 0.3~3(厚) mm
機台產能	約 15 ~ 20 個 / 每分鐘
選配項目	(1) 噴印機 / 熱轉印機 (印日期、批號、條碼... 另含可調整支撐座) (2) 機台安全外罩

### Specifications

Machine Dimension	1750(L) x 650(W) x 1300(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 30VA
Pneumatic Requirement	4kg/cm <sup>2</sup> at least (prepared by buyer)
Applicable Product Size	50~300 (L) x 50~220(W) x 0.3~3 (T) mm
Production Capacity	About 15 ~ 20 PCS / per minute
Optional Item	(1) Inkjet printer / Heat transfer printer (for Date, Batch no., Barcode, Support rack included) (2) Machine safety cover



Panasonic 雷雕主機 (日本製)  
 Panasonic laser marking machine (Made in Japan)



22 吋 LCD 彩色顯示螢幕  
 22" LCD color screen

10.4 吋彩色觸控人機  
 10.4" Color touch screen (HMI)



便利調整手輪 & 位置顯示器  
 Convenient adjusting device for position & Position indicator

紙盒自動送料裝置  
 Auto feeding device for paper boxes

紙盒自動收料裝置  
 Auto collection device for paper boxes

## AI-755 自動條碼雷雕系統 (符合 GS1 標準 / 自動送料 & 收料)

### Automatic Barcode Laser Marking System (GS1 Standard / Auto feeding & collection device)

#### 適用範圍

- 符合 GS1 條碼規範，最適合藥品、醫材器械等醫藥相關產業。
- 適用盒型尺寸範圍大，可用於未成型紙盒及 One Touch 盒型。
- 可對應多種類的一維條碼與二維條碼：Code128, QR Code, GS1 DataBar, GS1 DataMatrix ...等。

#### 特色介紹

- 雷雕系統與軟體採用日本知名品牌，在日本醫藥業擁有近 9 成高市佔率。
- 日本製 Panasonic 雷雕主機，擁有高精度的刻印品質與極佳的穩定性，更可 350 度旋轉，方便配合生產線架設。
- 主控制系統：日本三菱 PLC，搭配台達 10.4 吋彩色人機觸控螢幕，操作簡易。
- 雷雕控制系統：22 吋彩色顯示螢幕，可易於目視條碼圖樣及資訊。搭配便利手輪調整裝置，可上下左右自由調整雷雕位置。
- 採用日本 Chiko 集塵機，有效避免刻印時產生的粉塵污染，保持生產環境的潔淨。
- 紙盒輸送採用自動送料與收料裝置，節省人工時間與成本。
- 機台主體材質為 # 304 不鏽鋼及鋁合金，符合醫藥生產需求。

#### 機台規格

機台尺寸	2400(長) x 1100(寬) x 2100(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 2.2KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 15~20 個 / 每分鐘 (視刻印內容而異)
適用紙盒尺寸 (攤開之未成型盒)	最小：150(長) x 100(寬) x 1.5(厚) mm 最大：475(長) x 320(寬) x 9(厚) mm
雷雕刻印精度	± 1.0 mm
最大雷雕刻印範圍	110(長) x 110(寬) mm

#### Field of Application

- Most suitable for pharmaceutical industries for GS1 standard.
- A wide range of box sizes for unfolded paper boxes and one-touch boxes.
- Applicable for many types of 1D & 2D barcode, such as Code128, QR Code, GS1 DataBar, GS1 DataMatrix, etc.

#### Features

- Laser marking system and software are from famous Japanese brand which has nearly 90% market share of the pharmaceutical industry in Japan.
- Panasonic laser marking device is made in Japan. It provides accurate & excellent marking quality. Rotation angle is up to 350 degree for being compatible with production line conveniently.
- Main control system: Japan Mitsubishi PLC and 10.4" color touch screen (HMI). Most data can be set from the screen conveniently.
- Laser marking control system: Check barcodes images and data easily from 22" color screen. Adjust and record the marking position in a few seconds simply by a hand-wheel device.
- Chiko dust collector (Japanese brand): Collect the dust from laser marking for avoiding dust spreading to the air and keep the production area clean.
- Auto feeding and collection device: Save much time and reduce labor cost of feeding paper boxes manually.
- Main structure is made of #304 stainless steel and aluminum alloy to meet high sanitary demands for pharmaceutical industries.

#### Specifications

Machine Dimension	2400(L) x 1100(W) x 2100(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 2.2KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 15 ~ 20 PCS / per minute (Depending on different marking contents)
Applicable Box Size (Unfolded boxes)	Min. : 150 (L) x 100 (W) x 1.5 (T) mm Max. : 475 (L) x 320 (W) x 9(T) mm
Marking Precision	± 1.0 mm
Max. Marking Size	110(L) x 110(W) mm



10.4 吋彩色觸控人機  
(附警示燈)  
10.4" Color touch screen - HMI  
(Warning light included)

15 吋彩色觸控螢幕  
& 光學檢測控制系統  
(日本品牌)  
15" Color touch screen  
& Optical inspection system  
(Japanese brand)

條碼讀取器  
(讀取製程資料使用)  
Barcode reader  
(Read processing information)

不良品剔除機構  
(含安全護罩)  
Rejection device  
for defective products  
(Safety cover included)



高精度檢測攝像機  
(日本品牌)  
High-precision camera  
of optical inspection  
(Japanese brand)



重疊排除裝置  
Rejection device  
for stack boxes

連動護欄調整手輪 &  
位置顯示器  
Interlocking guide rail  
adjusting device &  
Position indicator

不良品收料槽  
Collection tray of  
Rejected products

合格品收料平台  
(含收納底座)  
Collection platform  
for accepted boxes  
(Storage cabinet included)

## CN-130I 自動光學條碼檢測系統 (不良品自動剔除)

### Automatic Barcode Inspection System (Rejection device for defective products)

#### 適用範圍

- 檢測條碼、日期、批號等資訊，最適合藥品、醫療器材、生技、化妝品等相關產業。
- 檢查產品包裝、外箱及標籤上的條碼與文字，確保資訊正確。
- 適用多種的一維與二維條碼：GS1-128, QR Code, GS1 DataBar, GS1 DataMatrix, PDF417 ...等。

#### 特色介紹

- 光學檢測之軟硬體皆採用日本知名品牌，擁有極準確的辨識率，日本醫藥業的市佔率高達 8 成。
- 主控制系統：日本三菱 PLC，搭配合達 10.4 吋彩色人機觸控螢幕，操作簡易。
- 光學檢測控制系統：15 吋日本品牌彩色觸控螢幕，直覺化輸入設定值，並易於目視確認條碼或文字資訊之即時影像。
- 依「印刷文字、條碼內容、系統內容」執行三方交叉比對，確保資訊正確無誤。
- 日本高精度攝像機，提供高解析度影像品質，可選配兩套鏡頭，方便同時檢查產品包裝及外箱的條碼，提升生產效率。
- 剔除裝置：採用 Fail-Safe 模式，預設為 Fail 剔除，唯有檢測系統確認 Safe 後，才可通過剔除裝置，確保未被剔除之產品皆為合格品。

#### 機台規格

機台尺寸	2980(長) x 880(寬) x 2000(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 1.1KVA
需求空壓	4kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 30 個以上 / 每分鐘 (視產品尺寸而異)
適用紙盒尺寸	可依產品尺寸客製
輸送帶材質	PVC 皮帶
選配項目	(1) 條碼工作車 (附螢幕支架、插座、把手、腳輪) (2) 紙盒自動進料裝置

#### Field of Application

- For inspection of barcode, date, batch no, etc. Most suitable for pharmaceutical, biotech and cosmetics industries.
- Check barcode and text content on product package, carton and label to ensure all information are correct.
- Applicable for many types of 1D & 2D barcode, such as Code128, QR Code, GS1 DataBar, GS1 DataMatrix, PDF417, etc.

#### Features

- Optical inspection system and software are from famous Japanese brand which has nearly 80% market share of the pharmaceutical industry in Japan.
- Main control system: Japan Mitsubishi PLC and 10.4" color touch screen (HMI). Most data can be set from the screen conveniently.
- Optical inspection control system: Check label images and enter setting information easily from 15" color touch screen (Japanese brand).
- Cross-comparison between printed texts, barcode, database texts to ensure all contents are correct.
- High-precision camera provides excellent checking image quality for accurate inspection performance. Second camera is an optional item for checking barcodes of both product package and carton at the same time.
- Fail-Safe mode of rejection device: Default condition is "Fail", products are passed by rejection device only when they are inspected to be "Safe". This mode ensures barcode and texts on products are not defective.

#### Specifications

Machine Dimension	2980(L) x 880(W) x 2000(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 1.1KVA
Pneumatic Requirement	4kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 30 PCS / per minute at least (Capacity vary based on different box sizes)
Applicable Box Size	The system is customized according product sizes.
Conveyor Material	PVC belt
Optional Item	(1) Working table (Including: Monitor rack, socket, handle, castors) (2) Automatic box feeding device



## CS-500 半自動瓶蓋鋁箔封口機 (電磁感應式)

### Semi-automatic Aluminum Foil Cap Sealing Machine (Induction coil type)

#### 適用範圍

- 適用內含鋁箔之瓶蓋來密封瓶口的塑膠類瓶罐產品。
- 適用瓶口直徑範圍大，不限容量或瓶型。
- 符合少量多樣的生產需求，大瓶小瓶一機搞定。

#### 特色介紹

- 採用非接觸性的電磁感應線圈，封口快速、擁有極佳密封品質。
- 控制面板標示清楚，可快速完成不同容器的設定調整。
- 便利手輪裝置搭配位置顯示器，免工具可輕鬆記錄與調整電磁感應線圈高低位置，適合各種不同高度的容器。
- 機台裝有過電流、過電壓、輸出過載、工作指示燈、故障蜂鳴器等保護裝置，安全第一好安心。
- 兩種啟動模式：可選擇「腳踏開關」或「電眼自動感應」啟動。
- 體積輕巧不佔空間，可任意更換擺放位置。

#### 機台規格

機台尺寸	500(長) x 500(寬) x 700(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 0.5KVA
適用瓶口直徑	∅ 20 ~ 120 mm
機台產能	約 10 ~ 15 瓶 / 每分鐘
適用瓶型	各式造型與容量之塑膠瓶罐
選配項目	工作台車 (桌面 # 304 不鏽鋼 / 附腳輪)

#### Field of Application

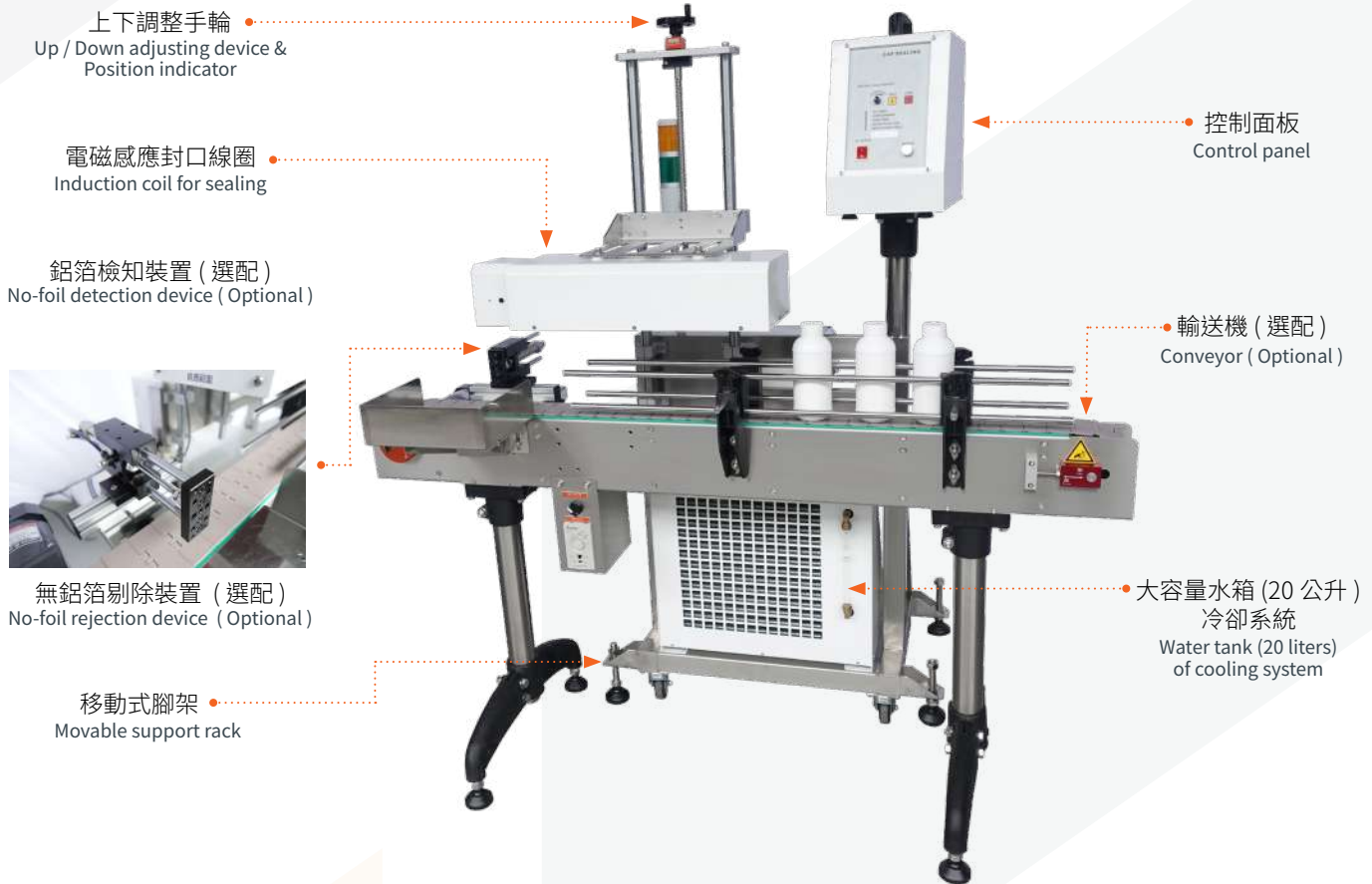
- For sealing the mouth of various plastic bottles and containers with aluminum foil which is inside plastic cap.
- Apply to a wide range of bottle mouth diameter for different bottle shape & volume.
- Small-volume production of a wide range of different products is most applicable.

#### Features

- Non-contact sealing induction coil offers excellent sealing quality and the shorter sealing time.
- Control panel is simple and user-friendly for convenient operation and quick changeover for different products.
- Sealing height of induction coil can be adjusted easily by a hand-wheel without using tools for different height of products.
- Many safety protection devices: Light signal, the siren for over-current, over-voltage, overload or breakdowns, etc.
- Two sealing start-up modes: Foot switch or a Photoelectric sensor.
- Lightweight design is suitable for moving the machine easily.

#### Specifications

Machine Dimension	500(L) x 500(W) x 700(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 0.5KVA
Applicable Bottle Mouth Diameter	∅ 20 ~ 120 mm
Production Capacity	About 10 ~ 15 PCS / per minute
Applicable Bottle	Various shapes and volumes of plastic bottles.
Optional Item	Working table (Desktop #304 stainless steel / Castors attached)



## CS-3000 自動瓶蓋鋁箔封口機 (電磁感應式)

### Automatic Aluminum Foil Cap Sealing Machine (Induction coil type)

#### 適用範圍

- 適用內含鋁箔之瓶蓋來密封瓶口的塑膠類瓶罐產品。
- 適用瓶口直徑範圍大，不限容量或瓶型，大瓶小瓶一機搞定。
- 可連線生產或單機搭配輸送帶使用。

#### 特色介紹

- 採用非接觸性的電磁感應線圈，封口快速、擁有極佳的密封品質。
- 控制面板標示清楚，可快速完成設定調整。
- 電源、控制線皆採用快速接頭，容易拆換組裝。
- 便利手輪裝置搭配位置顯示器，免工具可輕鬆記錄與調整電磁感應線圈高低位置，適合各種不同高度的容器。
- 機台裝有過電流、過電壓、輸出過載、工作指示燈、故障蜂鳴器等保護裝置，安全第一好安心。
- 20 公升大水箱冷卻系統，採用德國製造之馬達。
- 可選配「鋁箔檢知裝置」，封口後自動偵測無鋁箔的瓶蓋並發出警告聲響，並自動剔除無鋁箔的瓶子。

#### 機台規格

機台尺寸	840(長) x 400(寬) x 1500(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 3KVA
適用瓶口直徑	∅ 20 ~ 120 mm
機台產能	約 30 ~ 80 瓶 / 每分鐘
適用瓶型	各式造型與容量之塑膠瓶罐
選配項目	(1) 鋁箔檢知裝置 (無鋁箔發出警告聲 & 自動剔除不良瓶) (2) 輸送機 (長寬高皆可依需求客製)

#### Field of Application

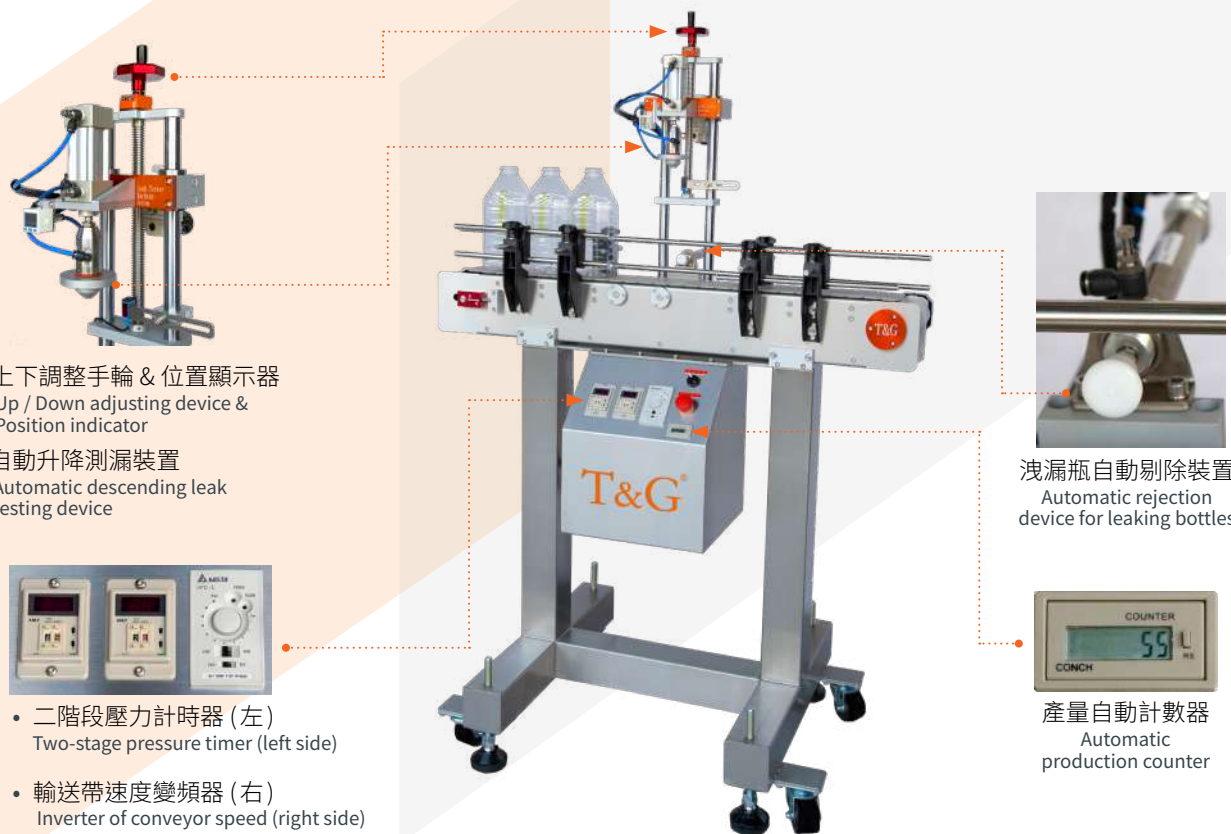
- For sealing the mouth of various plastic bottles and containers with aluminum foil which is inside the plastic cap.
- A wide range of bottle mouth diameter for different bottle shapes & volumes.
- A production line or separate operation combined with a conveyor.

#### Features

- Non-contact sealing induction coil offers excellent sealing quality and the shorter sealing time.
- Control panel is simple and user-friendly for convenient operation.
- Quick-connect design of power supply and control cables makes the installation and dismantling so easy.
- Sealing height of induction coil can be adjusted easily by a hand-wheel adjusting device without using tools.
- Many safety protection devices: Light signal, the siren for over-current, over-voltage, overload or breakdowns, etc.
- Cooling system is driven by German-made motor and including a big water tank of 20 liters.
- "No-foil detection device"(optional item) provides an alarm sound from the buzzer while detecting no aluminum foil inside caps after sealing, then the no-foil bottle will be rejected automatically.

#### Specifications

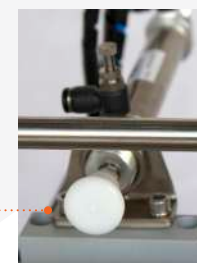
Machine Dimension	840(L) x 400(W) x 1500(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 3KVA
Applicable Bottle Mouth Diameter	∅ 20 ~ 120 mm
Production Capacity	About 30 ~ 80 PCS / per minute
Applicable Bottle	Various shapes and volumes of plastic bottles.
Optional Item	(1) No-foil detection device (Automatic alarm sound & bottle rejection) (2) Conveyor system (Dimension can be customized)



- 上下調整手輪 & 位置顯示器  
Up / Down adjusting device & Position indicator
- 自動升降測漏裝置  
Automatic descending leak testing device



- 二階段壓力計時器 (左)  
Two-stage pressure timer (left side)
- 輸送帶速度變頻器 (右)  
Inverter of conveyor speed (right side)



洩漏瓶自動剔除裝置  
Automatic rejection device for leaking bottles



產量自動計數器  
Automatic production counter

## LT-011 自動空瓶測漏機

### Automatic Bottle Leak Testing Machine

#### 適用範圍

- 塑膠材質之方瓶、圓瓶、橢圓瓶等各式瓶罐容器。
- 僅適用於「空瓶」測漏，如有封蓋或有內容物則無法適用。
- 適合必須確保空瓶品質的生產環境，或塑膠瓶罐製造廠。
- 適合產品多樣化的生產需求，可連線生產或單機使用。

#### 特色介紹

- 採用二段式檢驗測漏，微壓測漏檢出率極高。
- 洩漏之不良瓶於輸送帶上直接剔除。
- 測漏系統採用壓力計，測試數值精密且穩定。
- 產量計數功能，輕鬆計算每日產能。
- 便利手輪裝置搭配位置顯示器，輕鬆調整與記錄測漏位置。
- 使用者友善設計，免工具即可快速進行多數的調校或拆卸。
- 若產能需求較大，另有雙頭與三頭測漏機種供選購。

#### 機台規格

機台尺寸	1200(長) x 600(寬) x 1350(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 80VA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 7 ~ 10 瓶 / 每分鐘 (以 600ml 瓶器為例)
選配項目	圓瓶專用自動進瓶 (收瓶) 轉盤

#### Field of Application

- Apply to various plastic flat, square, oval bottles and containers.
- Leak testing is only for empty bottles without any content inside or capping.
- Ensure the quality of each empty bottle, especially suitable for plastic bottle manufacturers.
- For a packaging production line or separate operation.

#### Features

- Two-stage leak testing method makes detecting a trace of leak accurately.
- Leaking bottles are rejected directly from the conveyor.
- Manometer of leak testing system offers precise data stably.
- Production counter helps automatic recording production volume correctly.
- Adjust and record leak testing position conveniently by a hand-wheel adjusting device combined with position indicator.
- User-friendly design: most adjustments can be finished easily without tools.
- Two or three leak testing heads are available for larger production demands.

#### Specifications

Machine Dimension	1200(L) x 600(W) x 1350(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 80VA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 7 ~ 10 PCS / per minute (based on 600ml bottle)
Optional Item	Automatic round bottle feeding or collection turntable





- 整平裝置  
Planishing device
- 整平高度調整手輪  
Hand-wheel for adjusting planishing height

## ML-200 面膜整平機

### Facial Mask Planishing Machine

#### 適用範圍

- 檢測面膜包裝封口是否有瑕疵，同時讓袋內精華液均勻分布。
- 適合各種尺寸之面膜袋，輸送帶寬度可客製。
- 可連線生產或單機使用。

#### 特色介紹

- 整平系統以不鏽鋼滾輪包覆矽膠，不易損傷面膜袋包裝外觀。
- 使用知名大廠零組件，品質優異、運作順暢。
- 直覺式的操作介面，非專業人員也可迅速上手。
- 體積輕巧不佔空間，可任意變換擺放位置，空間利用最靈活。
- 便利手輪裝置，面膜袋整平高度可輕鬆上下調整。
- 使用者友善介面：多種免工具調整設計，換線超快速。

#### 機台規格

機台尺寸	1350(長) x 260(寬) x 600(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 60VA
輸送皮帶尺寸	1300(長) x 200(寬) mm (皮帶尺寸可依產品不同而客製)
適用袋型寬度	90 ~ 190 mm
機台產能	約 10 公尺 / 每分鐘
選購項目	噴印機 (印日期、批號、條碼... 另含可調整支撐座)

#### Field of Application

- Ensure facial mask bags to be sealed well and essence also to be spread evenly inside.
- For various sizes of facial mask bags. Conveyor width can be customized.
- For a packaging production line or separate operation.

#### Features

- Stainless steel rollers covered by silicone rubber can protect bag appearance well.
- Spare parts are from famous brands to ensure provide the excellent machine performance.
- Intuitive interface: Everyone can operate easily without professional techniques.
- Small machine dimension saves much space and also makes machine movable conveniently.
- Adjust the planishing height conveniently by a hand-wheel adjusting device.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.

#### Specifications

Machine Dimension	1350(L) x 260(W) x 600(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 60VA
Conveyor Belt Size	1300(L) x 200(W) mm (Customized belt size is available for different products)
Applicable Bag Width	90 ~ 190 mm
Production Capacity	About 10 Meters / per minute
Optional item	Inkjet printer (for Date, Batch no., Barcode... Adjustable support rack included)



入料寬度調整裝置  
Feeding width adjusting device

熱轉印機之彩色觸控面板  
Color touch panel of the printer

轉印位置調整手輪 & 位置顯示器  
Adjusting hand-wheel of printing position & Position indicator

入料 / 出料撫平滾輪  
Infeed / Outfeed smoothing roller

變頻器  
(可調整轉印速度)  
Inverter  
(Printing speed is adjustable)

## TM-150 熱轉印系統

### Thermal Transfer Printing System

#### 適用範圍

- 適合各尺寸標籤與各種包裝袋，如：塑料袋、鋁箔袋、立體袋等。
- 轉印單色之文字、商標、條碼及各種圖形。
- 可搭配貼標機、自動下料分張機...等包裝產線，亦可單機作業。

#### 特色介紹

- 附贈編輯軟體，可輕鬆於電腦編輯資料，再匯入熱轉印機。
- 可印日期時間 / 流水號 / 條碼 / 二維條碼 (QR code) / 商標圖形等。
- 袋子不易變形，印字超順暢。
- 印字清晰持久且不易掉色，轉印品質超優！
- 搭配彩色觸控螢幕，直接於螢幕輸入轉印資料，方便快速。
- 整合搭配多家國際知名廠牌之熱轉印機，應用性最高。
- 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。
- 便利手輪裝置搭配位置顯示器，輕鬆調整與記錄轉印位置。

#### 機台規格

機台尺寸	1550(長) x 850(寬) x 1600(高) mm
動力需求	電壓 110V，頻率 50/60Hz，單相，視在功率 360VA
輸送皮帶尺寸	1500(長) x 300(寬) mm
適用袋型	長度：100 ~ 380 mm / 寬度：50 ~ 310 mm
印字區域寬度	30 / 50 / 120 mm
機台產能	約 10 ~ 15 公尺 / 每分鐘
控制系統	變頻器控制，可調整轉印速度

#### Field of Application

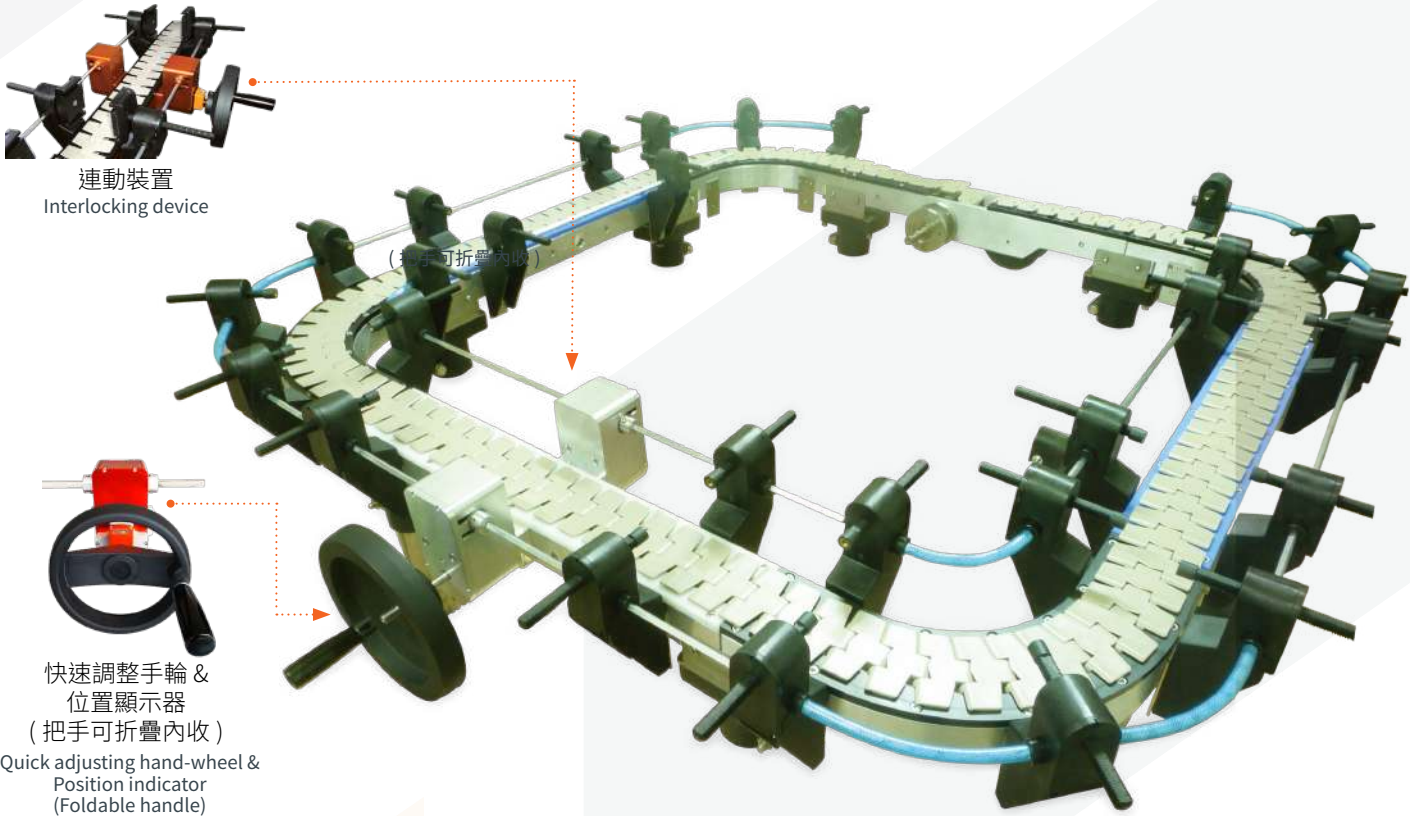
- For various labels & bags, such as: plastic pouch, aluminum bag, solid bags etc.
- Monochrome characters, logo, barcode and patterns are all available.
- Compatible with labeling machine, friction feeder and other packing machines in a production line. Separate operation is also applicable.

#### Features

- Edit software is included for editing printing contents easily by a computer, then the contents can be exported into the printer.
- Date, time, numbers, barcode, QR code, logo and patterns are all available.
- Bags are printed smoothly without deforming.
- Brilliant printing quality: The printing is clear and durable.
- Easy to edit printing contents directly by the color touch panel.
- Many famous brands of printer are available.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- Adjust and record the printing position conveniently by a hand-wheel device combined with a position indicator.

#### Specifications

Machine Dimension	1550(L) x 850 (W) x 1600(H) mm
Power Requirement	110V, 50/60Hz, 1 Phase, 360VA
Conveyor Belt Width	1500(L) x 300(W) mm
Applicable bag size	Length: 100 ~ 380 mm / Width: 50 ~ 310 mm
Printing Area Width	30 / 50 / 120 mm
Production Capacity	About 10 ~ 15 Meters / per minute
Control System	Printing speed is controlled by inverter



## GR-030 快速連動輸送帶護欄 (專利產品)

### Quick Interlocking Conveyor Guide Rail (Patent product)

#### 適用範圍

- 可原地原機加裝，不須更換新的輸送帶，新舊產線皆適用。
- 適合使用在輸送帶長度較長、有多樣產品尺寸且需時常換線調整輸送帶護欄寬度之自動化生產線。
- 解決人工逐一調整護欄座之耗時問題、並立即提升生產效率。

#### 特色介紹

- 專利取得，全程台灣製造，較傳統護欄之調整速度快 N 倍。
- 免插電免接線即可安裝，環保省能源，簡單又快速。
- 護欄上配有雷射刻度尺，易於校正位置且記錄方便。
- 獨特手輪設計，快速在數秒內完成調整 8 米之護欄長度。
- 自動鎖定功能：護欄寬度調整後立即固定，不需額外進行鎖定。

#### 機台規格

護欄長度	依輸送帶長度客製
調整系統	特製調整手輪與連動裝置 (手輪把手可折疊)
連動系統	#304 不鏽鋼方軸
護欄系統	內部齒輪與外殼皆採用塑鋼 (不生鏽材質)

#### Field of Application

- For new or existing production lines without replacing new conveyors.
- Especially suitable for longer conveyors requiring frequent changeover for different product sizes for the width of conveyor guide rail.
- Reduce much time of changeover manually for improving production efficiency.

#### Features

- Patent guide rail is made in Taiwan. It can be adjusted at ultra-high speed which is much faster than traditional adjusting way.
- Eco-friendly: No electricity and cables required, installation is so easy.
- Laser-engraving scale on guide rail helps adjusting accurately and recording position easily.
- User-friendly: 8-meter length of guide rail width can be adjusted by a unique hand-wheel within seconds.
- Automatic locking: Guide rail width will be fixed immediately after adjusting without additional steps.

#### Specifications

Guide Rail Length	Customized based on conveyor length
Adjustment System	Unique hand-wheel and interlocking device
Interlocking System	#304 stainless steel square bar
Guide Rail System	Inner gear & appearance made of reinforced thermoplastics (non-rusting material)

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  
快速運動護欄系統  
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」，並自動剔除不良瓶) (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，並自動剔除不良瓶) (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



## 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

貼標  
Labeling

充填  
Filling

鎖蓋  
Capping

洗瓶  
Rinsing

分張  
Friction Feeder

光學檢測  
Optical Inspection

鋁箔封口  
Aluminum Foil Sealing

測漏  
Leak Testing

面膜整平  
Planishing

印字設備  
Printing

快速連動護欄系統  
Interlocking Guide Rail

整廠輸出  
Turnkey Solution



洗瓶機 Rinsing → 充填機 Filler → 鎖蓋機 Capper → 貼標機 Labeler

## 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

T&G<sup>®</sup>  lovely future

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## T&G<sup>®</sup>

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