



## 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 limit 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)                                   |