



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 ² 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 ² 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)