

克維特有限公司

KWT Machine Systems Co., Ltd.

Email: sales@kwt.com.tw

<http://www.kwt-auto.com>

總公司 || Main Office

41161 台中市太平區太平21街21號

No.21, Taiping 21 Street, Taiping Dist., Taichung City 41161, Taiwan

Tel: +886-4-2277-3390 Fax: +886-4-2277-3412

桃園辦事處 || Taoyuan Representative Office

33743 桃園市大園區高鐵南路一段129號

1F., No.129, Sec. 1, Gaotie S. Rd., Dayuan Dist., Taoyuan City 33743, Taiwan

Tel: +886-3-287-2925 Fax: +886-3-287-2926

江蘇辦事處 || Jiangsu Representative Office

215412 江蘇省蘇州市太倉市陸渡鎮萬金北路11號

No.11, Wanjin North Rd., Ludu Town, Taicang City 215412, JiangSu Province, P.R.C.

Tel: 0512-53455208 Email: kwtpack@kwtpack.com.cn

Website: <http://www.kwtpack.com.cn>

越南辦事處 || Vietnam Representative Office

No.18, 24A Street, Binh Tri Dong B Ward, Binh Tan Dist., HCM City, Vietnam

Tel: +84-8-3755-3871 Fax: +84-8-3755-3872 Email: sales@kwt.com.vn



Linear Bottle Unscramble

營業項目：

1. 理瓶機
2. 洗瓶機
3. 液體充填機
4. 鎖蓋機
5. 貼標機
6. 熱熔膠薄膜貼標機
7. 套標機
8. 整廠規劃

BUSINESS ITEMS:

1. Bottle Unscrambler
2. Bottle Rinsing Machine
3. Auto Filling Machine
4. Auto Capping Machine
5. Labeling Machine for Adhesive Labels
6. Roll-Fed Labeling Machine
7. Shrink Sleeve Labeler
8. Complete Line Solutions



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KWT-101A

Linear Bottle Unscrambler

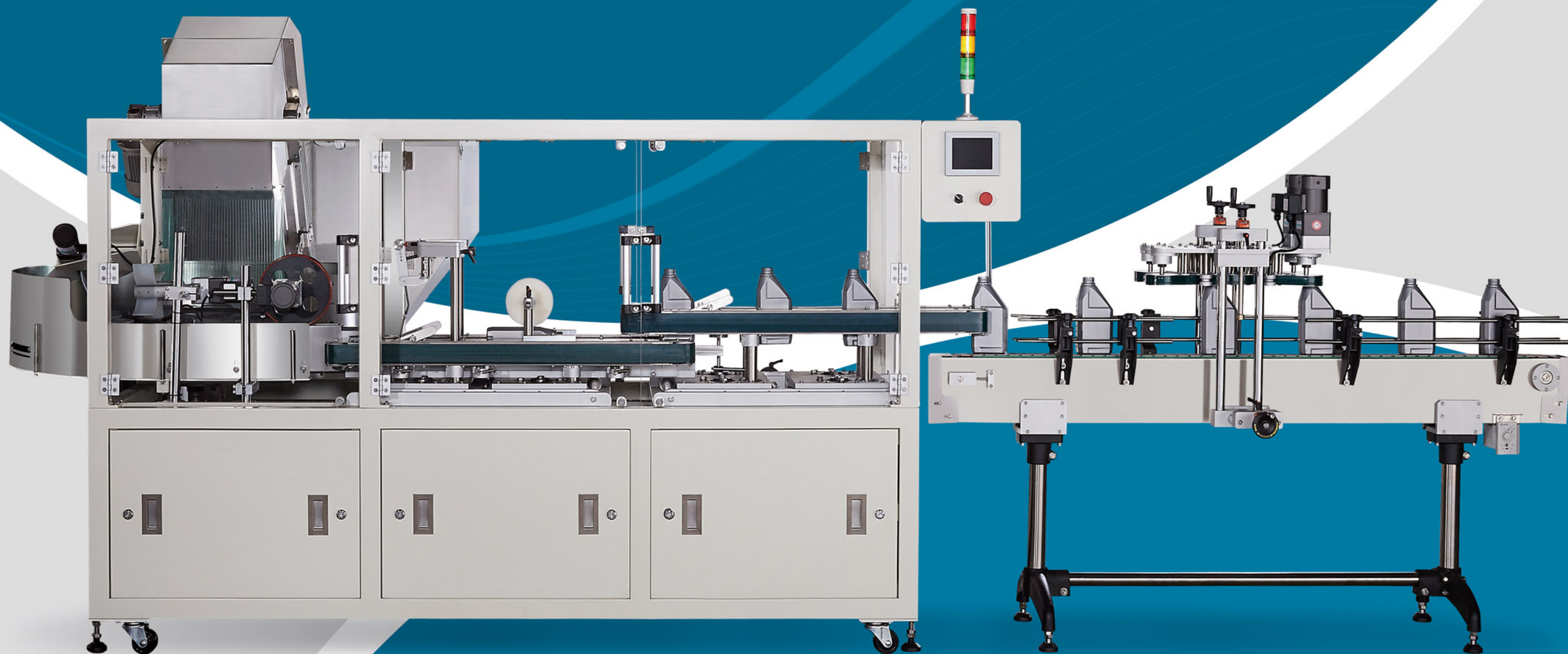
KWT-101A is linear bottle unscrambling machines designed to provide oriented bottle to the production line, it is the perfect labor-saving equipment, no longer are employees required to manually sort bottles and stand them upright on a conveyor.

Randomly oriented bottles are received in bulk by the hopper and supplied to the centrifugal disc, the bottles are directed into the proper position suitable for the stand-up unit to process them into the required discharge position, bottles are stood upright before reaching the filling line.

Bottle unscrambler of KWT-101A series operates with great simplicity, efficiency and minimal maintenance, suitable for a wide variety of bottle shapes and sizes. They will satisfy the needs of most demanding customers.

直線式理瓶機

KWT-101A為直線式理瓶機，利用篩選機構將瓶子有規律、整齊地送到生產線上，此設備可節省人力成本，不需再使用人工排瓶於輸送帶上。儲瓶桶隨機將大量的瓶子送至離心式圓盤，圓盤順向輸出空瓶，有效防止空瓶表面刮傷或卡瓶，利用篩選機構將瓶子呈現同一方向，整齊排列站立到充填線。KWT-101A系列理瓶機操作簡易，提高生產效率，低保養成本，適用於各種瓶型和尺寸，符合各產業自動化需求。



FEATURES 特性

- Capable of handling cylinders, squares and rectangles.
- Sturdy mechanical construction, coating frame and safety cover.
- SUS 304 stainless steel for bottle contacts.
- PLC controlled with touch screen panel, easy access to all settings.
- Memory capacity for 20 job settings.
- Bottle orientating assembly is accurate and user friendly.
- Fast and easy format changes.

- 適用於圓瓶和方瓶整列。
- 堅固的機械設計，機台結構為黑鐵烤漆，並加安全外罩。
- 瓶子接觸面為不銹鋼 SUS 304。
- PLC 控制系統，搭配人機顯示介面，容易操作各設定值。
- 備有 20 組記憶區，能夠迅速更換產品。
- 精確的瓶子選向機構，容易調整。
- 迅速和容易更換不同產品。

TECHNICAL DATA 機械規格

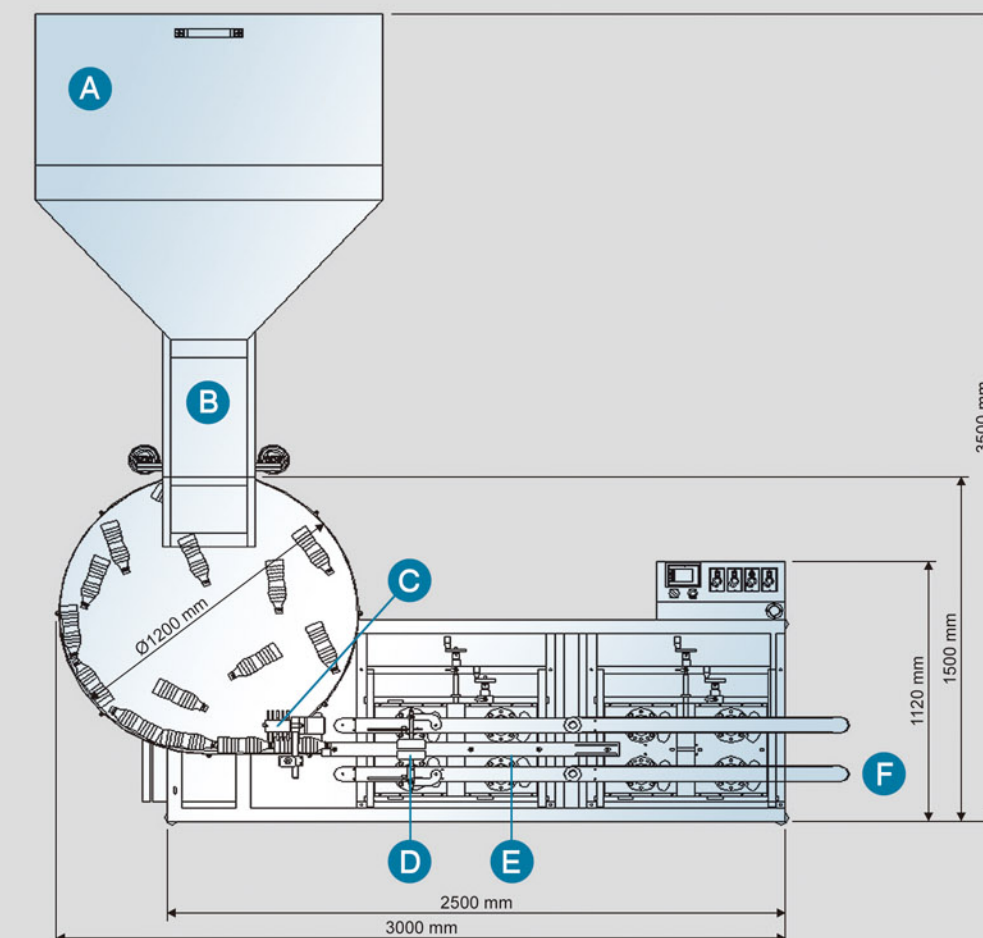
Capacity	產 能	60 - 80 BPM
Bottle Diameter	瓶 子 直 徑	50 - 130 mm
Bottle Height	瓶 子 高 度	50 - 300 mm
Machine Dimension	機 械 尺 寸	L. 2500 mm x W. 3420 mm x H. 2170 mm
Power Consumption	動力消耗量	6 KW
Air Consumption	空氣消耗量	18.85 L/min
Power Supply	電 源	220V, 50/60Hz, 1 Phase

PERFORMANCE 運作步驟



Bottle are loaded into the **Hopper A**, and supplied to the centrifugal disc through an **Elevator B**. In the disc, bottles are directed into the orientation area by bottle **Presorter C**. Bottles are delivered one by one, and the **Bottle Orientating Hook D** grab the neck of the bottles for correcting position. After that, the **Roller E** guide the bottle to suit for stand-up unit to process them into the required discharge position, bottle are stabilized and released on the **Bottle Exit Conveyor F**.

將空瓶置入**儲瓶桶 A**，利用**送瓶輸送帶 B**將瓶子送入離心式轉盤，**篩選機構 C**將瓶子整列後，排成一
直線，陸續送往轉向導引機構，將不同方向的瓶子利用**選向勾 D**進行瓶子方向選向，經過**壓瓶滾輪 E**，
使瓶子呈現同一角度並整齊地朝前行進，以利**出瓶導引輸送帶 F**將瓶子帶出送至生產線。



MACHINE DETAIL 機台細部圖片



● Hopper 儲瓶桶

The hopper is designed with swing-open doors and windows for easy loading and viewing. Can be supplied in a variety of capacities and dimensions.

儲瓶桶附有可開式的門和窗戶，可輕易倒入瓶子並查看內部狀況。儲瓶桶的容量可根據需求數量和瓶子尺寸設計。



● Elevator 送瓶輸送帶

The conveyor elevator efficiently delivers bottles to the centrifugal disc.

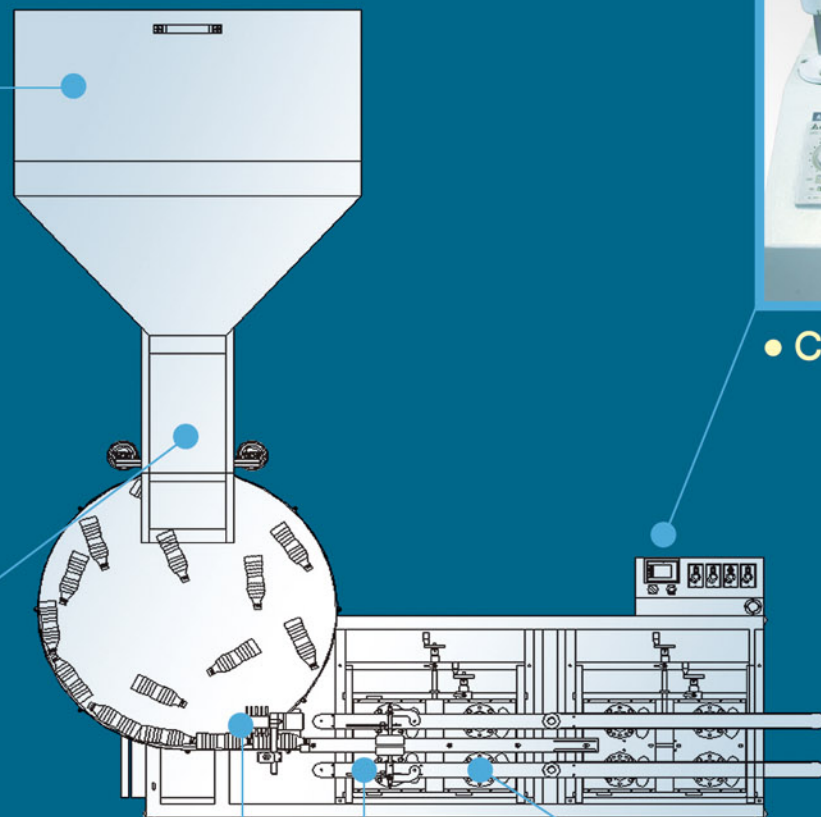
送瓶輸送帶有效地將瓶子送入離心式轉盤。



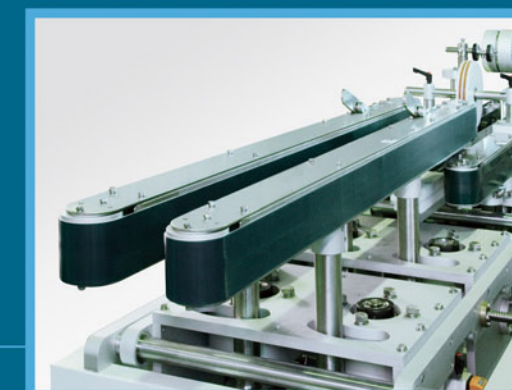
● Presorter 篩選機構

Bottles are positioned single file into the bottle orientating area.

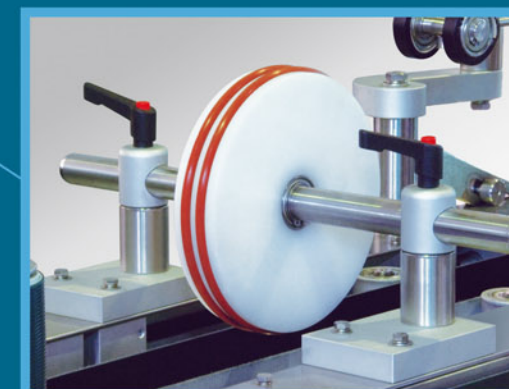
篩選機構將瓶子整列整齊，排成一直線進入轉向導引機構。



● Control Panel 操作箱



● Bottle Exit Conveyor 出瓶導引輸送帶



● Roller 壓瓶滾輪



● Bottle Orientating Hook 選向勾

The system is designed to orientate bottles.

採用選向勾將瓶子導引成正確的出瓶方向。