

## 功能 FUNCTION

**TWM301A**系列之凡立水自動處理機採預熱、滴注、烘乾、終端風冷一貫作業，搭配人性化控制介面可編輯及儲存凡立水滴注、溫度、公自轉...等之工作參數設定，讓使用者遠離高溫與化學污染之惡劣工作環境，在整齊安定的環境下提升產品之品質與形象。

**TWM301A** series of varnish machines conduct preheating, coating, drying and terminal air cooling consistently. The human control interface can be used to edit and save working parameters of varnish coating, temperature, revolution and rotation. Users may work in a tidy and safe environment free of high temperature and chemical pollution. The quality and image of the product can be enhanced, too.

### 凡立水滴注系統 Varnish Coating System

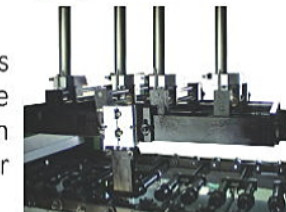
#### 8管獨立自動定位注膠系統。

The varnish feeding system has 8 independent tubes whose volume and coating allocation can be set separately per rotor conditions.

Automatic positioning and coating may place varnish unto the same location of the rotor precisely for uniformity.

#### 獨立排風系統。

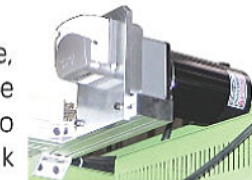
The coating area is isolated with an independent ventilation system to prevent diffusion of varnish.



### 環頸膠滴注系統 Neck Combining Glue Coating System

#### 可擴充環頸膠自動滴注系統，使凡立水與環頸膠滴注作業一次完成。

In addition to the varnish machine, an automatic neck combining glue coating system can be installed to complete varnish and neck combining gluecoating procedures at a time for reduction of time and cost.



### 轉子夾持裝置 Rotor Clamping Unit

#### 雙軸端頂料機，治具調整免工具、快速不佔時間。

Thanks to the twin-rotor feeding device, jigs do not need to be replaced, rotors run smoothly without shaking and varnish is absorbed and dried for excellent quality. Buckle designed jigs can be adjusted fast without using any tools.



### 傳動機構 Transmission Mechanism

#### 公/自轉獨立控制。

Independent control of revolution/rotation: Load and rotation speed can be set in accordance with rotor and varnish characteristics.

#### 過載自動跳脫保護機構。

An automatic transmission tension regulating mechanism and an automatic over-load protection mechanism are equipped.

#### 自轉速度補償功能。

The rotation speed compensating feature maintains the rotation speed of the rotor without being affected by the revolution chains.

### 溫度控制裝置 Temperature Control Device

#### 預熱區/硬化區溫度獨立控制，特殊熱風迴路設計有效提升電熱效能。

The temperature of the preheating area/hardening area can be controlled independently up to 180°. The peculiar hot air circuit design restrains hot air from flowing out of the inlet/outlet for efficient enhancement of electrothermal effect.

#### 精密溫控模組、爐內溫度精度±2%。

PID temperature control and SSR electric current control modules maintain the temperature accuracy inside the furnace ±2%.

### 控制裝置 Control Device

#### 採用日系PLC+10"彩色觸控操作介面，具有工作參數儲存、運轉監控、機台維護提示、異常檢知等功能，並可做遠距程式監控維護。

The PLC of Japanese standard and the 10" color touch panel display various operation statuses for user's convenience, reference and setting of working parameters. Real-time switches of Manual and Auto modes are a human-based design. Other features include operation monitoring, automatic prompt for machine service and automatic detection of errors, etc. 30 sets of working parameters can be set and saved for users to have faster and easier access to various parameters, which reduces time required for model change. Distant program monitoring and maintenance can be conducted via telecommunication lines.

### 多樣化產品設計 Design of Diversified Products

#### 本系列產品可依照客戶需求，量身訂做不同之機台尺寸、外型、以及成品加工數量等。另有手動式點膠機型提供客戶作多樣化選擇。

Machines of different sizes and dimensions and processing quantities of finished products can be customized in compliance with customers requirements. A manual glue dispenser model is also available for option.



## TWM-301A 凡立水自動處理機 Rotor Automatic Varnish Machine

適合碳刷馬達轉子之凡立水處理  
It is applicable to varnish treatment of carbon brush motor rotors.



### 機台功能規格表 MACHINE SPECIFICATIONS

電力需求 Power supply	220V(380V)-3ø-50kw	
空(油)壓力 Pneumatic (hydraulic) supply	5 kg/cm <sup>2</sup>	
轉子外徑 Rotor external diameter(max)	ø85 mm	ø65 mm
轉子總長度 Total rotor length	<330 mm	
升溫時間 Heating time	120°C / 20 min	
最高溫度 Temperature	180°C	
機台尺寸 Machine size	6000(D) 1200(W) / 1400(W) 2500(H) mm	
機台淨重 Machine net weight	3000 kg	

若您所需之規格不在上述範圍內，請與協群聯絡，我們保有在未獲通知的情況下作技術修改的權利。  
Please contact TEAMWORK for requirements outside these specifications.  
We reserve the right of technical modifications without notice.

- 快速更換模具 Quick die change
- 遠距程式監控維護 Distant programming monitoring system
- 觸控螢幕 Touch panel
- 工作參數記憶 Parameter memory
- 異常偵測顯示系統 Error detection & display system
- 主動式保養提示 Service prompt

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