

TN-09S-C



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# 全自動縫紉/製鞋/繡花底線與牙線繞線機

## AUTOMATIC UNDER-BOBBIN AND DENTAL FLOSS WINDER



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### 針對製鞋廠與成衣廠及繡花廠 追求更好品質和更高效率

通常大多數縫紉與繡花時的阻礙是因斷線造成，或者成品不美觀，此乃因的底線品質不良，因而造成產量降低。因此底線的品質與出線的條件極為重要。從泰能全自動底線機繞出來的底線可以提昇縫紉機的效率，高品質的底線加上使用本自動機能將大量線緊密的繞在底線軸上，不但增加線容量，更降低了置換底線的時間與成本。

每個線廠有多種不同尺寸的管子，以應付客戶的需要。使用手動方式繞取極不符合經濟效益。我們的全自動機適合客戶不同底線管子尺寸。

### 人機觸控螢幕與PLC控制器

- 超強多種功能與人性化的操控
- 觸控螢幕可選擇中文或英文操作模式
- 氣壓控制的機械自動換管裝置
- 橫動長度調整裝置
- 花紋密度調整裝置
- 可設定記憶模組 方便記憶各種生產條件
- 可設定預計生產成品數量
- 可設定捲繞計數器
- 可設定繞線主軸轉速 500~1900 rpm
- 可設定線上油輪轉速 0~60rpm
- 可設定漸減式線張力 1~100%

### For Shoes & Garment Factories.

The majority of stoppages on industrial sewing and embroidery machinery is caused by thread breakages attributable to under bobbins resulting in lower quality and production losses. Therefore, uniform quality and running conditions of the under bobbin, are of utmost importance. The high quality bobbins from our automatic winders improve sewing machine efficiency considerably. The superior quality of bobbins allow the operator to locate the thread end easily reducing handling time and costs. The maximum possible amount of thread is wound into a compact package on our under bobbins.

All sewing thread manufacturers have their own assortment of bobbin sizes to meet their customer requirements. The manual production of under bobbins in the majority of cases is unprofitable. Our automatic under bobbin winders suitable for a wide range of different bobbins sizes.

### Computer & PLC controller with touch screen panel.

- Multifunctional & humanize operation.
- Touch panel, in both Chinese & English mold.
- Automatic pneumatic bobbin doffing system.
- Variable traverse adjustment.
- Density of thread layer adjustment.
- Program storage function, for memorize different winding setting.
- production counter.
- revolution counter.
- 500~1900 rpm, spindle speed is adjustable.
- 0~60rpm lube roller is adjustable.
- 1~100% auto release tension control.

### 高效率，適合產品多樣性，操作容易

### High efficiency, diversity products, easy operation.

#### 自動換管裝置

- 當繞好成品時，經由氣壓控制機械裝置，落紗，並換管，再自動繞線。
- 自動落紗換管時間為12秒。
- 儲管裝置經由調整，可適合不同長度的管子。

#### Automatic doffing device.

The wound package is doffing by pneumatic doffing system, the doffing time takes 12 seconds. Bobbin compartment is adjustable, suitable for different size of bobbins.



人機觸控螢幕  
Touch panel controller



上油裝置  
Lube system



張力系統  
Tension device



自動送管裝置  
Auto bobbin doffing system.

#### 橫動長度調整裝置

- 橫動長度可以輕易的經由凸輪箱外的旋鈕調整。
- 適合客戶不同長度需求。

#### Variable traverse adjustment.

Traverse length is adjustment through the knob outside the cam box.

#### 花紋密度調整裝置

- 花紋密度亦可依線的粗細支數由旋鈕控制。
- 可將更多的線緊密地繞在底線軸上，可增加線容量。

#### Density of thread layer adjustment.

The distance between the adjacent winds can be steplessly adjusted according to yarn count by means of a hand wheel. The maximum possible amount of thread is wound onto the under-bobbin.

#### 液體上油裝置(冷油系統)

- 油輪轉向可經由設定變更。
- 液體上油裝置，油輪速度可設定自動變速。

#### Lube system (cold type)

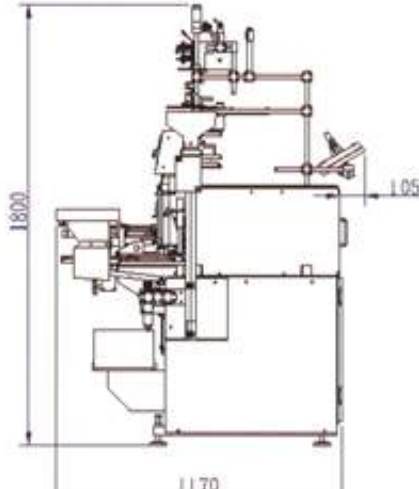
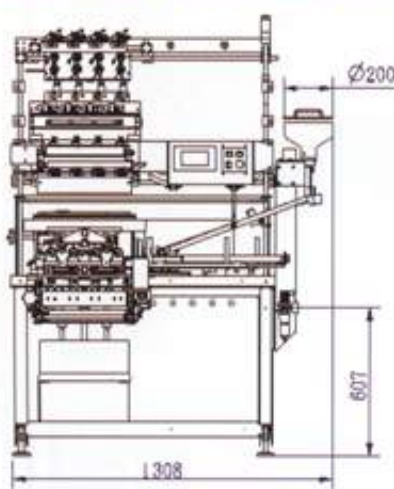
Liquid lube system, Automatic roller speed changer. Lube roller winding direction is adjustable.

#### 選配：液體上腊裝置(熱腊系統)

油槽加熱裝置與昇溫加熱控制。

#### Optional : Hot lube system.

#### 機器外觀尺寸圖 Outlook Dimension



#### 主要規格 Main Specifications

機種代號	Model	09S-C (Cross wind)	09S-P (Parallel wind)
機心與成品	Bobbin & finished product.		
最快主軸轉速	Max Spindle speed	1900 r.p.m.	5000 r.p.m.
使用電力	Installed power		1.5KW
氣壓	Air		6 bar
最大推取外徑	Max. outer dia.*		35mm
橫動量	Traverse		7~16mm
錠數	No. of spindle		4
包裝材積	Measurement	155L * 155W * 215H (cm)	
機器重量	Weight	N.W.: 400kgs G.W.: 600kgs	

機心設計及規格如有變更，恕不另行通知。 All specifications and designs subject to change without notice.

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