

長鑽尾螺絲與碗型/黏鐵橡膠華司組合機

Long Self-Drilling/Tapping Screw & Washer Assembly Machine

商品特性：

- * 組裝不同尺寸的螺絲，不需更換模具 / 組裝不同尺寸及型式的華司，可更換模具.
- * 此機型的組合方式可以組裝帶有翅膀的螺絲，以及因熱處理而變形彎曲的長螺絲.
- * 連續組裝模式，組裝速度快及穩定，操作簡單，故障排除容易.
- * 停車補料/自動驅動系統-當振動盤補料來不及時，機械會停止運轉，等待補料完成後，機械會再自動啟動不需要人員去按啟動按鈕，減少人力操作，增加生產效率.
- * 100%篩選功能可對於未組合的螺絲或華司作分開.
- * 機械在長時間運轉後，零件幾乎零耗損，可省下日後機械維修的時間及金錢.

FEATURE：

- * Changing molds to assemble different sizes of screws or washers.
- * The continuous assembly mechanism works fast and steady.
- * 100%Sorting device for unassembled screws or washers.
- * This assembling type is able to assemble screws with wing and bending screws cause of heating treatment.
- * When the supply of screws or washers is late, the machine will stop automatically.
After the feed tracks are full of screws and washers, the machine will be automatic movement.
- * After long-term operation, the parts low wear and tear, you can save time and money in the future for maintenance.
- * Machine is in accordance with CE security rules.

新型專利 (Taiwan New Patent): No. M423015



商品規格(SPECIFICATIONS):

馬力(Motor Power):1/2 HP ~1HP

機械尺寸(Dimension):2,490(L) x 2,370(W) x1,900(H) (mm)

重量(Net Weigh):1,350/1,480/1,800/2,200 KGS

所有機械運轉透過 PLC 可程式控制(Control: Programmable Logic Control of all movements)

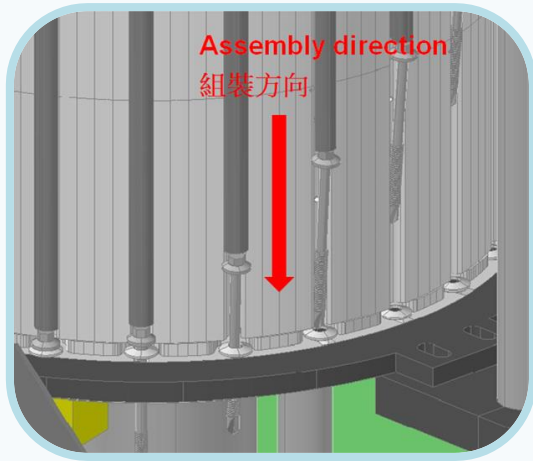
變頻器可調整機械運轉速度(Inverter to adjust machine speed)

| 機 型 Model | 螺絲外徑 Screw Diameter | 螺絲長度 Screw Length | 華司尺寸 Washer | 組裝速度 Output |
|--------------|------------------------|----------------------|---|-------------------|
| ZYL-75 | 4.8 / 5.5 / 6.3 mm | 20 - 75 mm | 黏鐵 / PVC/ 碗型華司 Bonded EPDM / PVC / BAZ Washer | 300 - 520 PCS/MIN |
| ZYL-125 | 4.8 / 5.5 / 6.3 mm | 20 - 125 mm | | 280 - 500 PCS/MIN |
| ZYL-250 | 4.8 / 5.5 / 6.3 mm | 50 - 250 mm | | 150 - 450 PCS/MIN |
| ZYL-300 | 4.8 / 5.5 / 6.3 mm | 50 - 300 mm | | 100 - 400 PCS/MIN |

特點說明(Features Description):

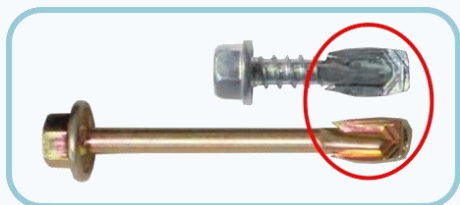
- 可以組裝因熱處理而變形彎曲和頭部稍微偏斜的螺絲。
通常螺絲長度超過 75mm 以上，在做熱處理過程後，身體部分會稍微彎曲變形，或是螺絲頭部製作成型時，產生瑕疵造成頭部稍微偏斜情況，ZYL 機型都可以組裝，此機型的組裝方式是推螺絲順延輪盤的溝槽去組裝華司(請參考圖 1)。

It is able to assemble bending screws (cause of heating treatment) and skew head of screw.
Usually screw length is more than 75mm, after the heat treatment process, the screw body will be slightly bent, or the screw head have the defect of skew during forming, this model can assemble them, the assembly method is to push the screw along the groove of the wheel disk to assemble the washer.



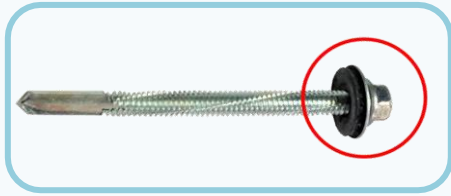
- 組裝時，遇到夾尾金屬片及組裝後產生華司的粉屑可以輕易排除。
當鑽尾螺絲的尾部成型時，會產生金屬片，在搓牙時會脫離，但有時會發生無法脫離，所以通常在組裝華司時會遇到夾尾金屬片未脫離的螺絲，此機型可以輕易排除，不用擔心金屬片掉入沖桿的內孔裡，不會造成零件損傷，也不用擔心在組裝華司時的粉屑掉入沖桿的內孔裡，此機型結構沒有沖桿。

When the tail of screw forms the drill point, it will bring the metal shaving, under normal circumstances it will be detached during threading process, but sometime the metal shaving cannot detach, If the screw with the metal shaving goes into washer assembly machine, the shaving is possible to fall into inside hole of push-rod for old type of assembly machine, it needs more time to eliminate, and when screw go through the hole of rubber washer, it will bring rubber powder and fall into the hole of push-rod, it also needs to clear it, the new model ZYL washer assembly machine doesn't have push-rod, so it doesn't happen with these problems.



- 組裝後，華司會壓貼在螺絲頭下。

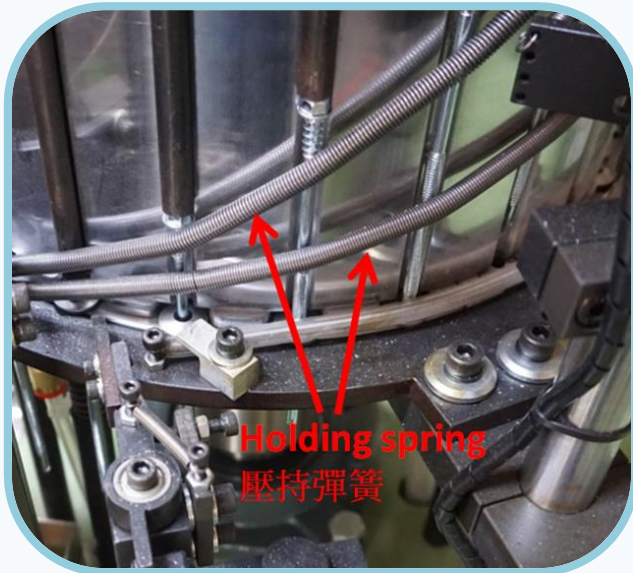
After assembling, the washer will be close to the bottom of the screw head.



- 機械構造簡單，消耗品少。

主要消耗品是壓持彈簧，由於機械結構簡單，非技術人員皆可輕易操作及維護。

The main consumable is a compression spring. Because of the simple mechanical structure the non-technical personnel can easily operate and maintain.



適合組裝：螺絲長度：20-125mm 或 50-300mm，尤其是會彎曲變形的長螺絲。

黏鐵華司、PVC 華司、BAZ 碗型華司、外徑 12mm 以上的 EPDM 華司。

Suitable for assembly: Screw length: 20-125mm or 50-300mm, bending long screws especially.

Washer type: bonded washer、PVC washer、BAZ washer and outside diameter over 12mm EPDM washer .

公司簡介

仁陽工業成立於1998年，是台灣最具專業設計開發的螺絲緊固件組合機製造商，我們擁有一群有活力、經驗豐富的工作團隊，能夠提供客戶各種不同的需求，包含新機型設計研發、創新及完善售後服務。

在研發設計上，我們不但累積了獨特經驗，也擁有先進的設計軟體，所有機械結構都可以預先動態模擬並同步作動力學分析。在新機型的開發上，也以操作簡單及最低耗損為目標，使專用機械不再需要非常專業的技術人員才能操作，以及機械在運轉一段時間後不用再花費很多金錢和時間去維修更換零件，將機械的生產效能和穩定度提升到最高質量。

品質管理方面，每一部機械在經過縝密的研發設計，系統化管理的製造組裝與長時間的運轉測試，在出廠前確保每一部機械都是最高品質，我們對品質標準的要求已經超越客戶的期待。

Profile

Zen-Young was founded in 1998, is a specialist and experience for manufacture of fastener assembling series of machine. Our staff an experienced team can handle all kind of inquiry which including R&D, innovation and sale purpose.

In the R&D, we have accumulated peculiar experience, and also we use advanced software for Dynamic Simulation and Mechanism Analysis. For various machine designs, we are always according to the goal of simple operation and minimum wear and tear. In the QC, each machine are through careful R&D、Systematic management of manufacturing and assembly, and long time running test, ensure each machinery are the highest quality before delivery. Our quality standards have always gone beyond customer expected.

我們的客戶遍佈世界各地許多國家：

歐洲：德國/英國/法國/愛爾蘭/列支敦士登/荷蘭/瑞士/波蘭/捷克/義大利/羅馬尼亞
斯洛維尼亞/愛沙尼亞/俄羅斯/烏克蘭。

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亞洲：中國大陸/日本/韓國/泰國/越南/沙烏地阿拉伯/以色列/土耳其/哈薩克/印度。
大洋洲：澳洲。

非洲：南非/摩洛哥。

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Europe: Germany、UK、France、Switzerland、Poland、Czech Republic、Italy、Netherlands、
Liechtenstein、Ireland、Romania、Slovenia、Estonia、Russia、Ukraine.

America: Canada、USA、Mexico、Argentina、Brazil、Chile、Colombia.

Asia: China、Japan、Korea、Thailand、Vietnam、Saudi Arabia、Israel、Turkey、Kazakhstan、India.

Pacific: Australia.

Africa: South Africa、Morocco.



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