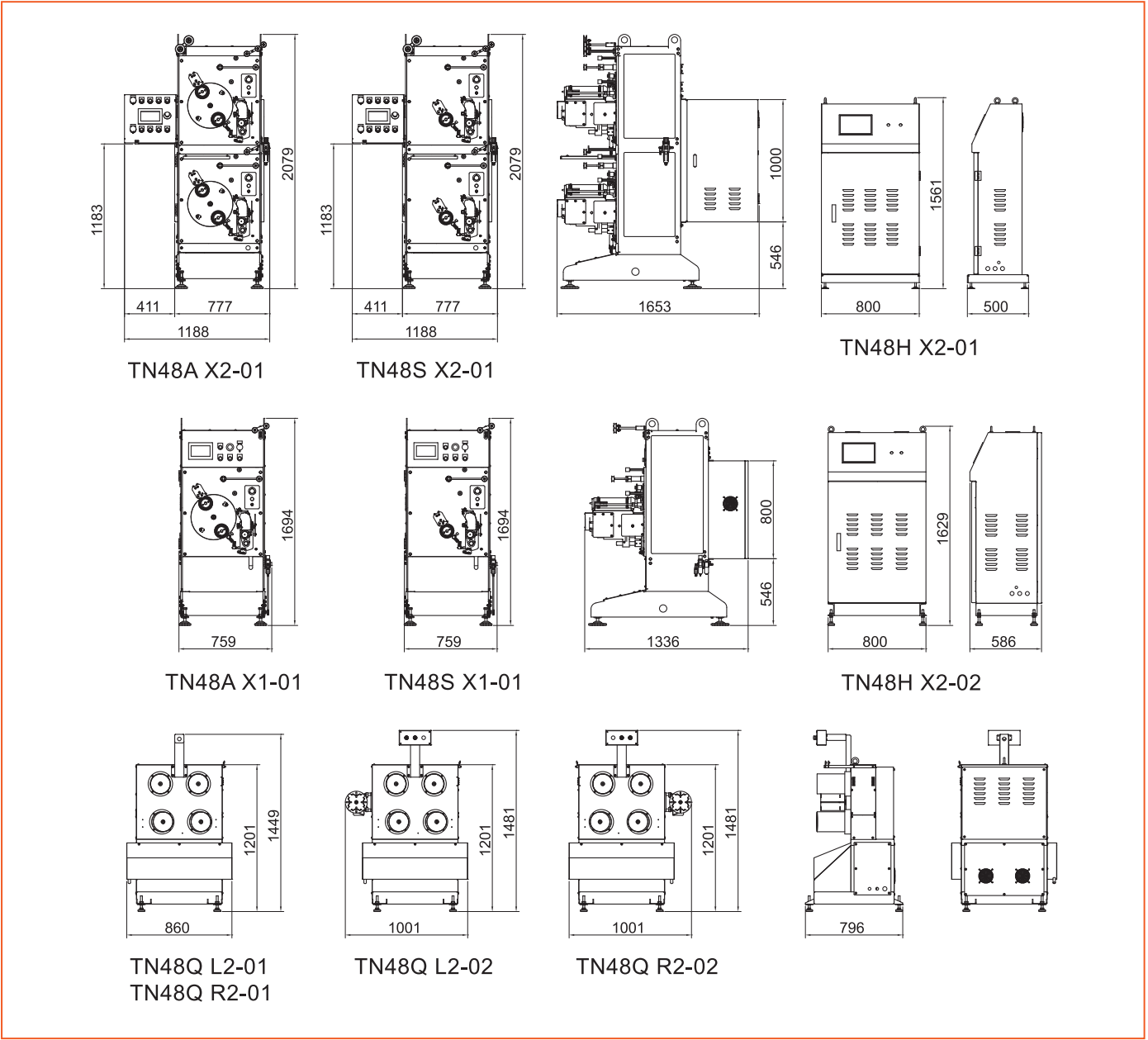


外觀尺寸 | Dimension

unit: mm



規格 | Specifications

型號 Model	TN48A X2-01	TN48A X1-01	TN48S X2-01	TN48S X1-01
錠數 No. of spindle	2	1	2	1
線速度 Yarn speed	30 - 800 m/min			
適合纖度 Denier	150 - 20000 dtex			
花紋回數 Cross ratio	4.5、4、3.5 (9F、8F、7F)			
最大捲取外徑 Max. outer Ø	280 (310) mm			
空氣壓力 Air pressure	5 bar (0.5 Mpa)			
紗管內徑 Bobbin inner Ø	82.55mm、94mm			
紗管長度 Bobbin length Ø	230mm、290mm、301mm			
橫動量 Traverse	200mm、250mm			
包裝材積 Measurement	178L×108W×225H(cm)	142L×88W×185H(cm)	178L×108W×225H(cm)	142L×88W×185H(cm)
機器重量 Machine Weight	N.W: 645 kgs G.W: 815 kgs	N.W: 360 kgs G.W: 505 kgs	N.W: 575 kgs G.W: 745 kgs	N.W: 325 kgs G.W: 470 kgs

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

MATERIAL PRODUCTS



FACTORY

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SINCE 1968

TAINING

Automatic bobbin changing winder
Automatic take up winder
High speed precision winder

TN48 Series



TN48 Series

www.taining.com.tw

TN48A X2-01 自動換管捲繞機×雙線
Automatic bobbin changing winder×Double line

TN48A X1-01 自動換管捲繞機×單線
Automatic bobbin changing winder×Single line



主要優點

- **自動換軸系統**：到達設定長度，無須停機即自動換軸（以上為48A機型才有之功能）
- **伺服捲繞系統**：排線精密、張力穩定、低耗電量
- **數位參數設定**：參數設定數位化，生產品質穩定
- **生產紀錄模組**：50組記憶模組快速切換生產規格
- **前置作業跟隨**：捲繞速度穩定追隨引取機牽引紗線之速度 (30-800m/min)

主要功能

- **操作介面**：7" 觸控人機螢幕，操作清晰
- **成型硬度**：可設定漸減舉臂壓力，降低線壓痕，使成型美觀，內外硬度均勻且較鬆軟
- **張力調整**：可調氣壓式張力桿，容易調整
- **斷紗控制**：單線斷紗繞線停止，另一線可繼續高速生產
- **花紋設定**：可設定內層不同花紋回數與密度
- **資訊回饋**：斷紗或運轉異常時有警示燈與蜂鳴聲
- **成品取出**：繞滿自動或壓按鍵推出成品

選擇配備

- 安全護蓋

Optional

- Safety cover

TN48S X2-01 高速精密捲繞機×雙線半自動
High speed precision winder×Double line

TN48S X1-01 高速精密捲繞機×單線半自動
High speed precision winder×Single line



Advantage

- **Automatic spindle change system:** Automatic spindle change when reaching to presetting length. (Above function is only for model 48A.)
- **Servo winding system:** precision yarn laying, stable tension and low power consumption.
- **Digital parameter setting:** parameter digitized, stable production quality.
- **Production program:** 50 sets of program modules easy to select production specifications.
- **Pre-stage follow:** winding speed is stable corresponding with yarn haul-off speed (30-800m/min).

Function

- **Operation panel:** 7 inches HMI, clear operation.
- **Package hardness:** adjustable arm pressure, to reduce pressure marks and make package softer. Uniform hardness inside and outside.
- **Tension:** adjustable air pressure tension pole.
- **Yarn breakage detector:** when one yarn breaks the other yarn can continue high-speed production.
- **Cross ratio:** can set the number and density of different patterns in the inner layer.
- **Info feedback:** alarm and buzzers when yarn breaks or abnormal operation.
- **Finished product take-out:** automatic when product finished or press the button.

TN48H X2-01 中央控制箱×雙線—單門
Central control × Double line — Single door



主要功能

- **操作介面**：10" 觸控人機螢幕，操作清晰
- **監控設定**：押出機6個區段之加熱溫度
- **警示回饋**：蜂鳴警示過熱並自動關閉加熱器
- **出紗速度**：紗線輸出可達線速度30-800m/min
- **斷紗降速**：單線斷紗時自動調控為慢速

選擇配備

- 押出機閉迴路控制變頻器與PG回授卡×2
- 引取機閉迴路控制變頻器與PG回授卡×2

規格 | Specifications

型 號 Model	TN48H X2-01	TN48H X2-02
變 頻 規 格 Inverter	雙押出機 7.5HP×2 / 雙引取機 1HP×2 Double extruder 7.5HP×2 / Double haul-off machine 1HP×2	
包 裝 材 積 Packing measurment	100L×52W×180H (cm)	100L×60W×180H (cm)
機 器 重 量 Machine Weight	N.W.:175KGS G.W.:250KGS	N.W.:210KGS G.W.:295KGS

TN48H X2-02 中央控制箱×雙線—雙門
Central control × Double line — Double door

主要優點

- **人機畫面整合**：押出機與引取機設定值整合於同一畫面
- **數位參數設定**：參數設定數位化，生產品質穩定
- **生產紀錄模組**：50組記憶模組快速切換生產規格
- **溫度預設管控**：可設定押出機預熱時間與溫度
- **監控保護機制**：押出機溫度達設定值，螺桿方可啓動
- **前置作業控制**：押出機送料與引取機牽引紗線之速度採用變頻向量控制

Advantage

- **HMI integration:** extruder setting value and haul-off value are integrated on the same screen
- **Digital parameter setting:** parameter digitized, stable production quality.
- **Production program:** 50 sets of program modules easy to select production specifications.
- **Preset temperature control:** can set the preheating time and temperature of the extruder.
- **Monitoring and protection function:** the screw scan be started only when reaches to extruder's presetting temperature.
- **Pre-stage control:** The feeding of extruder and haul-off speed is controlled by frequency conversion vector.

Function

- **Operation panel:** 10 inches HMI, clear operation.
- **Monitoring setting:** Heating temperature of 6 sections of the extruder.
- **Warning feedback:** Buzzer warns of overheating and automatically turns off the heater.
- **Yarn output speed:** Yarn output can reach yarn speed 30-800m/min.
- **Yarn break deceleration:** When single yarn breaks, slow down speed automatically.

Optional

- Extruder machine closed loop control inverter & PG feedback card×2
- Haul-off machine closed loop control inverter & PG feedback card×2

TN48Q L2-02 引取機×左雙線
Haul-off machine × Left double line



主要功能

- **轉速控制**：由變頻器控制馬達速度
- **斷紗降速**：單線斷紗時自動調控為慢速
- **緊急防護**：E-STOP緊急控制開關

選擇配備

- 安全暫捲輪 50~60m/min
- 安全護蓋

規格 | Specifications

型 號 Model	TN48Q L2-01	TN48Q R2-01	TN48Q L2-02	TN48Q R2-02
引 取 速 度 Take-up speed	30-800m/min			
馬 達 規 格 Motor	1HP×2 含編碼器 (w/encoder)			
暫 捲 馬 達 Safety scroll wheel	無 (W/O)		1/2HP×1 (1:15)	
包 裝 材 積 Packing measurment	90L×100W×170H (cm)		110L×100W×170H (cm)	
機 器 重 量 Machine Weight	N.W.:320KGS G.W.:400KGS		N.W.:335KGS G.W.:430KGS	

TN48Q R2-02 引取機×右雙線
Haul-off machine × Right double line



主要優點

- **前置作業控制**：引取機牽引紗線與押出機送料之速度採用變頻向量控制
- **紗線導引路徑**：不鏽鋼材質防刮鍍鉻表層之引取輪

Advantage

- **Pre-stage control:** The haul-off & feeding speed of extruder is controlled by frequency conversion vector.
- **Yarn guide path:** stainless steel scratch-resistant chrome-plated take-up wheel.

Function

- **Speed control:** motor speed controlled by inverter.
- **Yarn break deceleration:** hen single yarn breaks, slow down speed automatically.
- **Emergency protection:** E-STOP emergency control switch.

Optional

- Safety Scroll Wheel 50~60m/min
- Safety cover