

TN-35AF / TN-35EF

Automatic High Speed Cross Cone Winder
(Spool Type) 全自動高速繞線機-H型管

TN-35AFC-4H

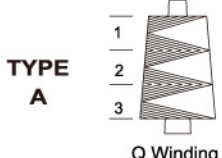
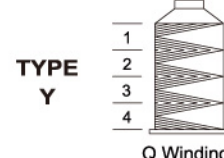
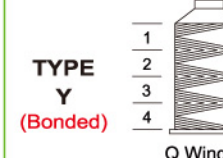
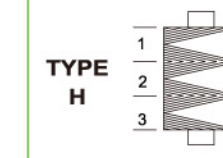
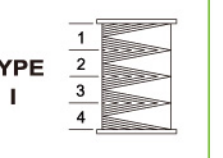
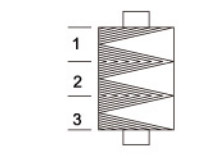
Automatic High Speed Cross Cone Winder
(4" Spool Type) 全自動高速繞線機-4"H型管



Max. 12,500 r.p.m.
Max. 1,600m/min
(400~1,400m/min)

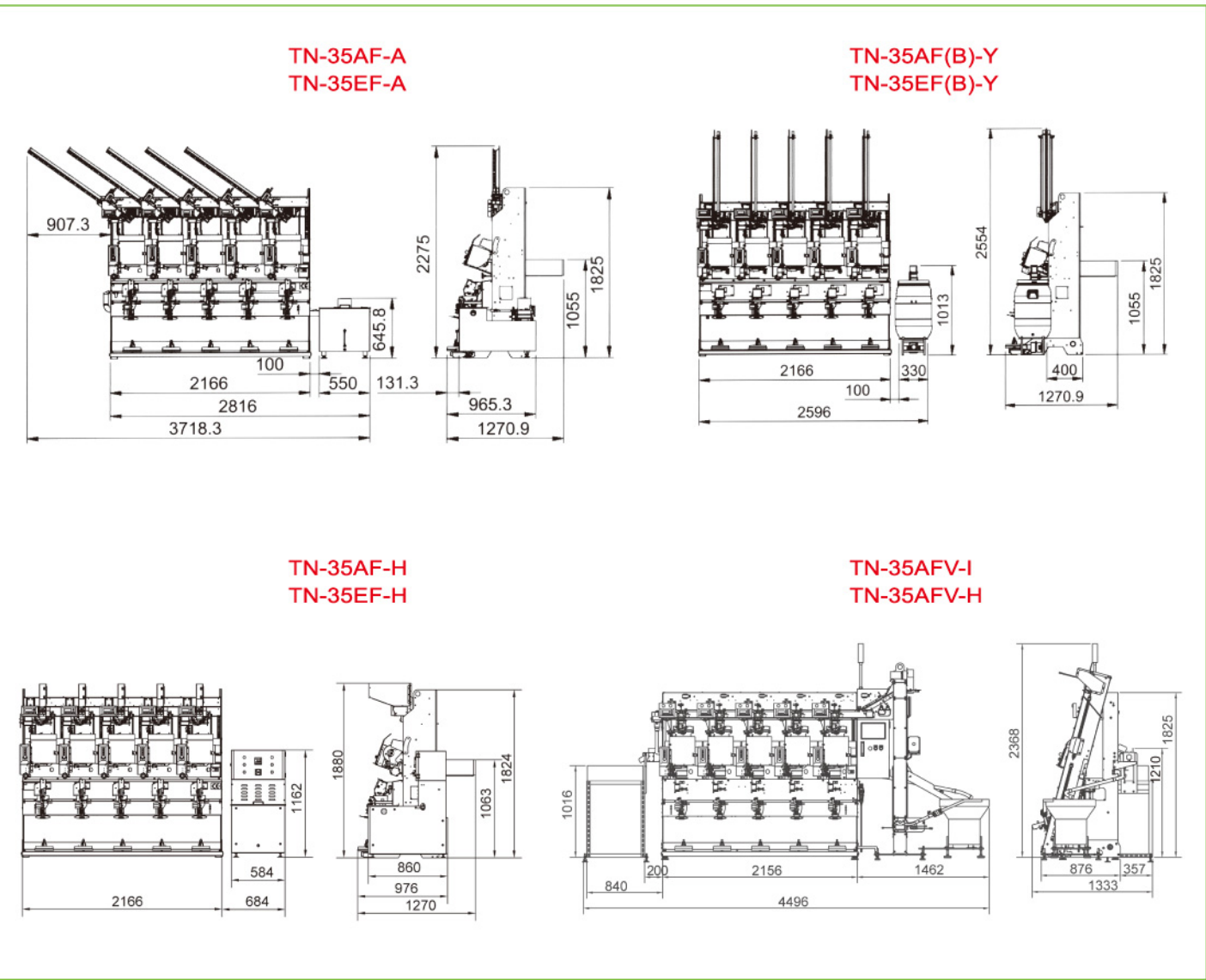
Max. 10,000 r.p.m.
Max. 1,600m/min (800~1,400m/min)
(Yarn type 3,600D/3 Nylon, Diameter=1.3~1.6mm)
Max. 5,000 r.p.m (200~800m/min)

規格 | Specifications

成型 Package shape		 TYPE A Q Winding		 TYPE Y Q Winding		 TYPE Y (Bonded) Q Winding		 TYPE H Q Winding		 TYPE I Q Winding		 TYPE H Q Winding	
型號 model		TN-35AF(P)-A	TN-35EF(P)-A	TN-35AF(P)-Y	TN-35EF(P)-Y	TN-35AFB(P)-Y	TN-35EFB(P)-Y	TN-35AFV-H	TN-35AFV-I	TN-35AF-H	TN-35EF-H	TN-35AFC-H	
管子角度 Taper angle		2° 20' ~ 5° 57'		0° ~ 2° 20'		0° ~ 2° 20'		0°		0°		0°	
產量 Capacity		180 LBS/8hrs 40/2SP		280 LBS/8hrs 210D/2 Nylon		140 LBS/8hrs 210D/2 Nylon		2600~2900 PCS/8hrs 40-2 500M		2600~2900 PCS/8hrs 40/2 500		240LBS/8hrs 3600D/3Nylon	
最大捲取外徑 Max. outer Ø		110 mm		85 mm		85 mm		75mm		75 mm		95 mm	
橫動量 Traverse		3" ~ 4"		2" ~ 4"		2" ~ 4"		2" ~ 3"		2" ~ 3"		3" ~ 4"	
錠數 No. of spindle		5		5		5		5		5		5	
主軸速度 Spindle speed		Max. 10000 r.p.m.		Max. 10000 r.p.m.		Max. 4000 r.p.m.		Max. 12500 r.p.m.		Max. 12500 r.p.m.		Max. 10000r.p.m.(Max.5000r.p.m.)	
線速度 Yarn speed		Max. 1600m/min (800~1400m/min)		Max. 1600m/min (800~1400m/min)		Max. 1000m/min (400~800m/min)		Max. 1600m/min (400~1400m/min)		Max.1600m/min (400~1400m/min)		Max.1600m/min (200~1400m/min)	
花紋回數 Cross ratio		2.5~4		2.5~4		2.5~4		2.5~4		2.5~4		2.5~4	
包裝材積 Measurement		230L x 90W x 190H (cm)		230L x 90W x 190H (cm)		230L x 90W x 190H (cm)		270L x 90W x 190H (cm)		230L x 90W x 190H (cm)		230L x 90W x 190H (cm)	
機器重量 Weight		N.W: 900kgs G.W: 1100 kgs		N.W: 900kgs G.W: 1100 kgs		N.W: 900kgs G.W: 1100 kgs		N.W: 900kgs G.W: 1100 kgs		N.W: 900kgs G.W: 1100 kgs		N.W: 900kgs G.W: 1100 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.													
								with Automatic Feeding Bobbin Machine 300Lx190Wx226H(cm) / N.W:1100kgs G.W:1300 kgs		TN-35AFC-H		Max yarn type: 3600D/3 Nylon; Yarn Diameter=1.3~1.6mm Max.5000r.p.m. (200~800m/min)	

外觀尺寸 | Dimension

unit: mm



MATERIAL PRODUCTS



TAINING

Professional Sewing Thread Winders.

TN-35 Series



® FACTORY

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超強多功能

Powerful Multi-function

TN-35AF系列 · TN-35EF系列 自動送管與落紗系統

- 自動送管，無管自動停車。
- 落紗採用凸輪帶動方式，動作準確、快速。
- 機器壽命與動作不受空氣品質與壓力影響。
- 數位塞線系統。(選配)
- **TN-17**省能計量上油系統(選配)
- 以上功能有200組記憶模組，並能夠設定生產數量。

TN-35AF系列

- 繞線採用伺服馬達排線系統，輸入不同線規格時，可自動調整線排列之密度與花紋。

TN-35AF系列 · TN-35EF系列

- 滾筒式導線系統
- 採直接導線方式，速度快、聲小。
- 導線凸輪採用特殊硬化拋光處理，光滑耐磨，不傷紗線。

TN-35AFB 新型導線方式

- 採用導線導線方式，線排列密度均勻。

TN-35AF系列 · TN-35EF系列 單錠控制系統

- 電腦自動計長，不必經過碼錶輪。
- 自動控制線速度，可設定範圍內之線速度。
- 可直接設定不同之油輪速度，搭配穩定線速度使上油均勻。

人機控制共用面板(選配)

- 多錠共用一個控制面板

電磁式張力系統

- 可設定起步張力與最終張力持續遞減，使成型美觀一致。

循環式過油系統

- 每錠經常保持滿油位。
- 每個油輪均附有濾油裝置，防止油外噴與浪費油。
- 油輪可跟隨線速度。
- 一只油箱可供30錠機器共用，可拆式濾網，清理容易。
- 油箱加熱、管路保溫、油杯加熱系統(選配)

TN-35AF Series · TN-35EF Series Auto Bobbin Feeder and Doffing system

- Doffer automatic stops when bobbins run out.
- Mechanical system, quick action, accurate and durable.
- No pneumatics, without air quality, air pressure to affect service life and performance of machine.
- Digital thread tail tucking device. (Optional)
- **TN17** Dosing pump lubrication system. (Optional)
- 200 sets of memory functions with production quantity preset.

TN-35AF Series

- Servo control system. Yarn winding by servo motor, automatic yarn laying & density control by just input yarn specification.

TN-35AF Series · TN-35EF Series

- Drum Thread-Guidance System.
- High speed, low noise.
- Stainless steel hardened polishing treatment hardened polishing treatment, smooth, wear resistant, no harmful for yarn.

TN-35AFB New type yarn guiding system

- Yarn guiding by ceramic guider, yarn laying precisely.

TN-35AF Series · TN-35EF Series Individual Spindle Control. (LCD display)

- Yarn length measured by computer, not rollers or wheels.
- Yarn speed adjustable. (meters per minute.)
- Uniform thread lubrication due to constant yarn speed.

One computer terminal (HMI) (Optional)

- Central control panel for multi-spindles.

Electro-magnetic Tensioner

- Automatic tension release throughout the cycle for consistent winding tension.

Circulating Oil System

- Centralized oil tank feeds 30 spindles.
- Spindle independent oil filter and filler for consistent trouble-free operation.
- Easy to clean, detachable filters.
- Oversized oil fenders and troughs to minimize oil loss and cleaning.
- Oil tank heating, pipeline insulation, oil cup heating system (optional)

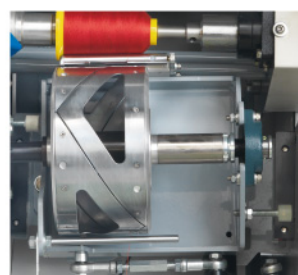
TN-35AF / TN-35EF 全自動高速繞線機-A型管 Automatic High Speed Cross Cone Winder (Cone Type)

Max. 10,000 r.p.m.
Max. 1,600m/min (800~1,400m/min)

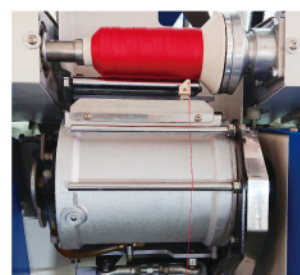


其他特性 | Other characteristics

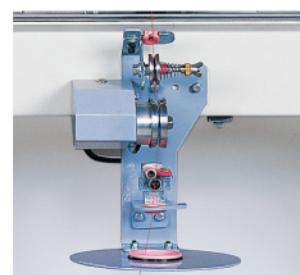
- 縫紉線、SP線、綿紗線、滌綸線，A，H型管適用。
- 蠟花線、尼龍線、錦綸線、邦迪線，Y型管適用。
- 人造纖維、化纖絲、人造絲等特殊纖維必須實際測試才能確認是否適合捲繞。
- 占地面積小、速度快、效率比傳統機器提升5~6倍。
- 全部採用高速軸承，免加油，保養容易。
- Cone, Spool type is available for S.P. threads, cotton threads & sewing threads.
- Kingspool type is available for embroidery threads, nylon threads & bonded threads.
- For filament yarns, fiber yarns, monofilament yarns & technical threads are subject to final confirmation.
- Easy maintenance, oil-free bearings.
- Automatic door lock during operation. Small footprint design.



滾筒式導線裝置
Drum thread-guiding system



新型導線裝置(邦迪)
New thread-guiding system
(For Bonded Thread)
TN-35AFBP



可設定漸減式
電磁張力
Electro-magnetic tension



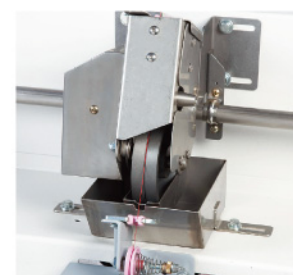
數位塞線裝置
Digital thread tail tucking device



多功能微電腦
控制面板
Micro processor controller



人機控制面板
(多錠共用一個設定面板)
One computer terminal
(central control panel for multi-spindles)



可設定且跟隨
線速之上油裝置
Constant lubrication system



循環式油箱
Circulating oiling tank



循環式加熱油箱
Hot circulating oiling tank



TN-17
省能計量上油系統
Dosing pump lubrication system



循環式攪拌油桶
Circulating mixing oil tank

TN-35AF / TN-35EF TN-35AFBP 全自動高速繞線機(邦迪)-Y型管 Automatic High Speed Cross Cone Winder (Kingspool Type) (For Bonded yarn)

Max. 10,000 r.p.m.
Max. 1,600m/min (800~1,400m/min)

TN-35AFBP
TN-35EFBP
Max. 4,000 r.p.m.
Max. 1,000m/min
(400~800m/min)



選購配備 | Optional

TN-35AFV / TN-35EFV 全自動高速繞線機-H/I型管 Automatic High Speed Cross Cone Winder (Spool Type)

Max. 12,500 r.p.m.
Max. 1,600m/min (400~1,400m/min)

