

SKYHILL

A Single Source for All Screen Printing Needs.



捲對捲網印 —— 轉印紙印刷的利器, 自動化的代名詞

**The Cutting Edge for (Tagless) Heat Transfer label printing
Roll to Roll Printing – The Code Word of Automation**

MT-5070 捲對捲網版印刷設備

Roll to Roll WEB-FED Screen Printing Equipment



MT-5070

MT-5070

捲對捲網版印刷機

ROLL TO ROLL WEB-FED SCREEN PRINTING MACHINE

特性：

1. 本機採用PC based控制器，配合觸控螢幕，操作簡易。
2. 經緯線採伺服及步進驅動，並經電腦自動控制補償，確保印刷點精準。
3. 印刷機構為垂直昇起，方便網版及刮刀之維護。
4. 工作台具真空吸附及回吹功能。
5. 刮刀機構採恆壓裝置。永保刮刀之均勻壓力。
6. 網框用氣壓夾鎖定，裝卸網版便捷，附離版裝置。
7. 機體採CE安全防護罩，確保人機安全。
8. 收放料機構採用氣脹軸，確保原料不滑動，裝卸原料方便，並附先進EPC對邊裝置，確保收料整齊。
9. 原料驅動引取輪(專利號碼146116)具真空吸附功能，採用伺服馬達驅動。
10. 先進聲納感測器，可精確感應透明或非透明印材。
11. 上下及左右行程，採用精密線性滑軌。
12. 刮刀行程，引取輪，採伺服馬達驅動。
13. 本機之收料機構配備超音波檢知器，當料卷增大時，可自動降低收料速度，確保料卷之齊邊。
14. 多種乾燥機供選擇 (選購配備)。
15. 沖孔裝置。

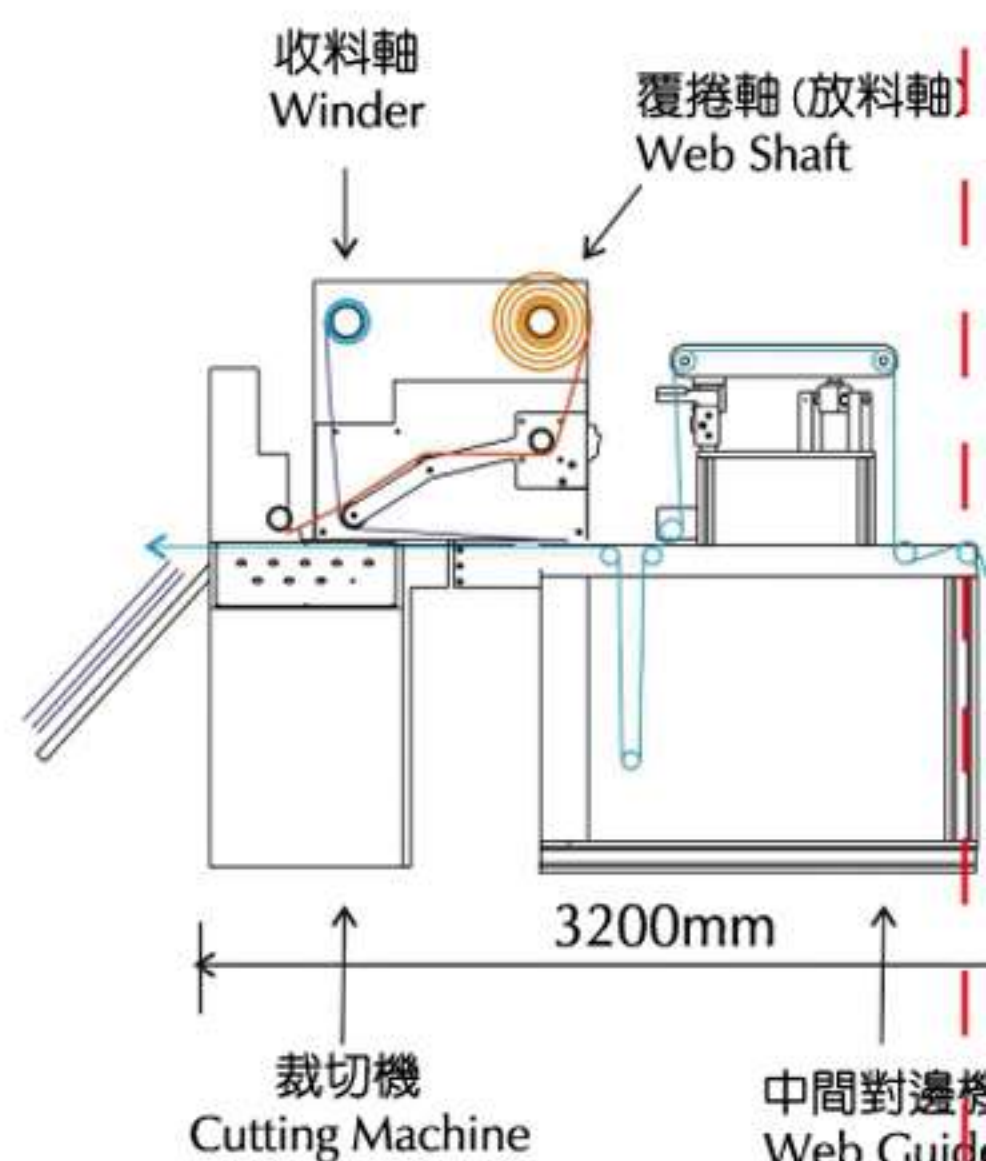
FEATURES:

1. User-friendly PC based control combined with touch screen monitor for maximum operational convenience.
2. Longitudinal and latitudinal lines are driven by servo and stepping motor, automatically controlled and compensated by the computer to ensure printing position.
3. The printing head is raised vertically for convenient access to screen and squeegee.
4. Vacuum suction table for efficient workpiece fixing, with blow back function.
5. The squeegee mechanism has a pressure stabilizer ensuring constant pressure at all times.
6. Screen frame is fixed by an air clamp for convenient screen mounting and dismantling. It is also equipped with a peel-off device.
7. CE safety guard around the machine provides extra safety for the operator and machine.
8. Winding and unwinding mechanism employs an air shaft to prevent slippage and for convenient web loading and unloading. Also equipped with an advanced EPC for neat winding performance.
9. Web take up roller features vacuum suction (patent number 146116) driven by a servomotor.
10. The machine utilizes an advanced sonar sensor for accurately sensing transparent and non-transparent film.
11. Precision linear motion guides are provided on the vertical and horizontal slideways for extremely smooth and stable traverse.
12. Squeegee travel and take up roller are driven by a servomotor.
13. The winder is equipped with an ultra sonic sensor. When the film roll diameter increases to some degree, winding speed will slow down automatically to ensure a smooth edge of the film roll.
14. Various drying machines to choose from (optional).
15. Punching device.



選購配備
UV乾燥機設

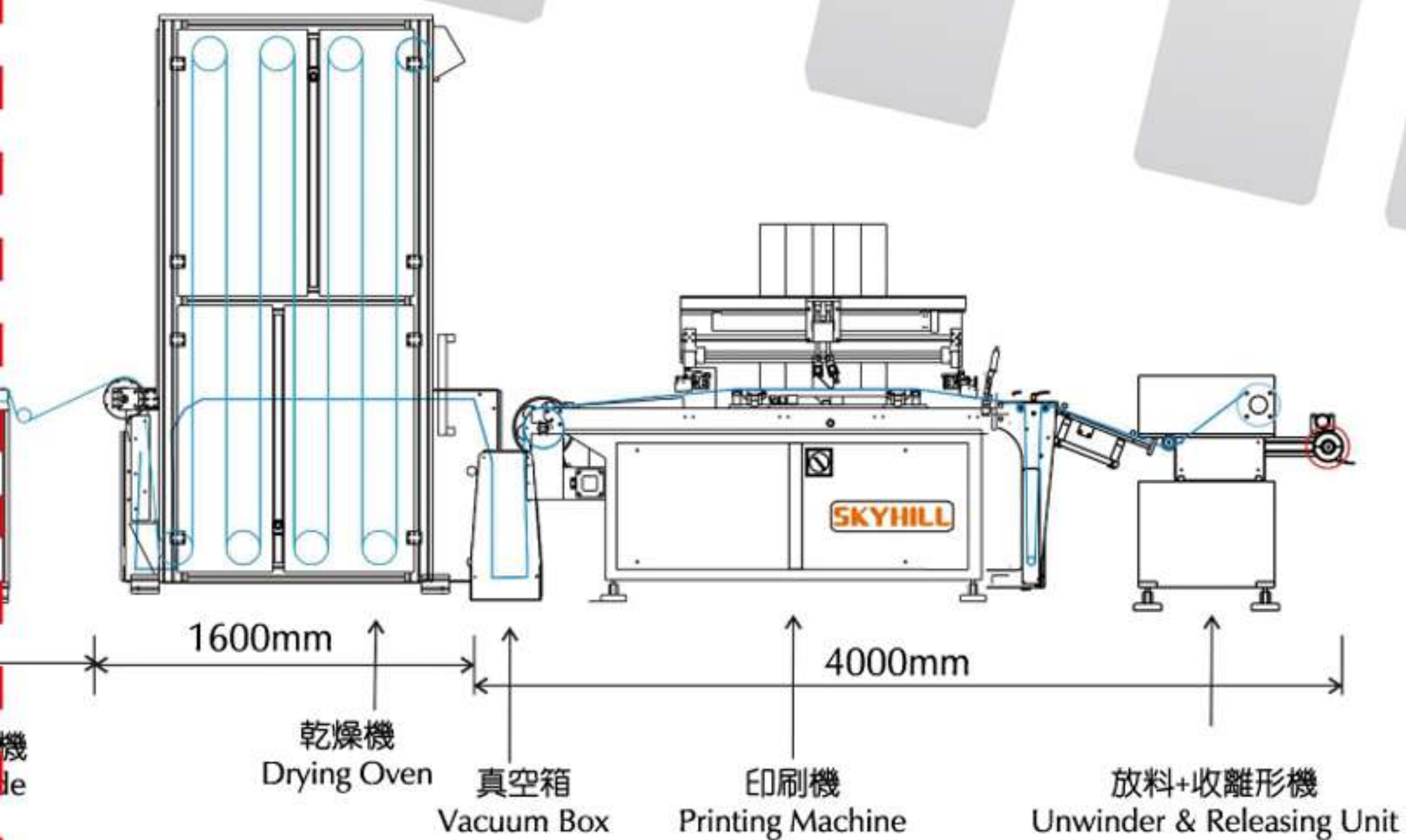
MT-5070 連續式網版印刷機 MT-5070 ROLL TO ROLL OTHER PERIPHERAL EQ





MT-5070

版印刷機及其他設備組合圖
ALL SCREEN PRINTING MACHINE WITH
QUIPMENTS.



眼對邊裝置 DOUBLE PHOTOCCELL

夾，可檢知材料的邊緣
網版至所須的位置。

both screen clamps, that
the web edge and do the
separately.



● 適用範圍

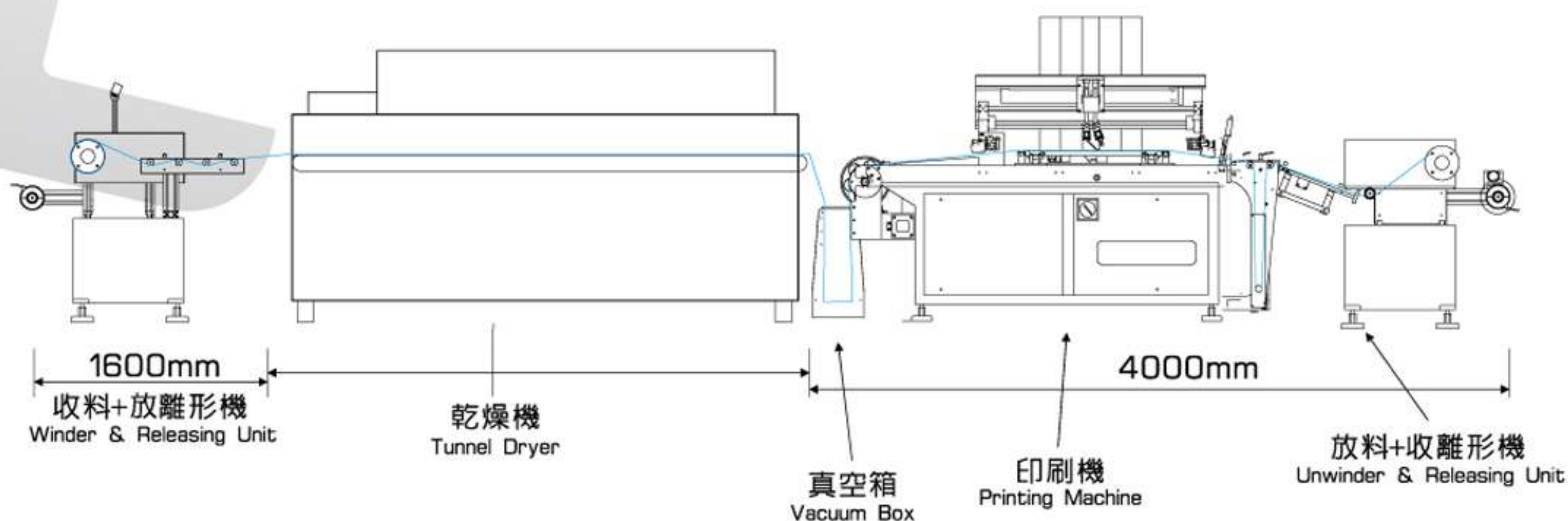
本機適合於透明及不透明**OPP**，**MYLAR**，鋁箔、紙等之軟性整捲材料之網版印刷。適用產品如下：

1. 熱轉印紙類。
2. 特殊標籤類。
3. **IMD**。
4. 銘牌和表面上光上色。
5. 軟性電子材料印刷：如**RFID**，智慧卡，電子書報，電子地圖，超薄手機，腕帶式數位錶，展示海報，弧形顯示器，擴散板，軟性電路板和薄膜開關等。

● Applications

This is a specially-designed web-fed screen printing machine for both transparent and non-transparent materials in rolls such as MYLAR, OPP, aluminum, paper and so on. Suitable for following products:

1. Heat transfers.
2. Specialized labels.
3. IMD.
4. Nameplates and graphic overlays.
5. For Printing Flexible Electronic Materials. For example: RFID, smart cards, e-books, e-maps, cellphones, digital watches, e-posters, arches displayers, diffusers, flexible circuits (FPC) and membrane switches, etc.



Specifications 規格:

Model	型式	MT-5070
Max. printing area	最大印刷面積	500x700mm
Max. size of screen frame	最大網框尺寸	800x1100mm
Min. size of screen frame	最小網框尺寸	800x700mm
Web width	入料寬度	200-520 mm
Max. unwinding diameter	放料座最大卷徑	Φ 500mm
Unwinder core diameter	放料氣壓軸外徑	Φ 75mm
Max. winding diameter	收料座最大卷徑	Φ 500mm
Winder core diameter	收料氣壓軸外徑	Φ 75mm
Max. machine speed	最快印刷速度	600m/hr
Travel	行程	800mm
Thickness of material	原料厚度	0.025-0.25mm
Positioning accuracy	重複定位精度	±0.05mm
Squeegee drive motor (servo)	印刷驅動馬達 (伺服)	0.6 kw
Take up drive motor (servo)	引取驅動馬達 (伺服)	0.5 kw
Unwinding motor	放料座馬達	1 HP
Winding motor	收料座馬達	1 HP
Platen vacuum motor	工作臺真空馬力	1/2 HP
Take up roller vacuum motor	引取輪真空馬力	1/2 HP
Vacuum box motor	真空箱馬達	1/4 HP
Working air pressure	空氣壓力	5-7kg/cm ²
Machine weight (L x W x H)	主機 (重量／尺寸)	1350 KGS / L3430xW1300xH2000 (mm)
Unwinder weight (LxWxH)	放料機 (重量／尺寸)	350 KGS / L630xW1170xH1050 (mm)
Winder weight (L x W x H)	收料機 (重量／尺寸)	350KGS / L700xW1170xH1400 (mm)
Rewinder weight (L x W x H)	複卷機 (重量／尺寸)	450KGS / L660xW1100xH1050 (mm)
Rated power	額定電力	220V-50/60Hz-Φ3-20A

塔式熱風烤箱

1. 採氣浮設計，全程不接觸滾輪，沒有刮傷問題。因無接觸，只需輕力即可驅動。可避免高溫下被拉延變型。
2. 採雙面加溫，加快乾燥速度，每一加熱段皆可調溫。
3. 採用超導體電熱，昇溫快速。
4. 烘乾段長，佔地小。
5. 有15, 25和35米烘乾段長三種機種可選擇。

TOWER DRYER

1. Equipped with air cushion rollers, preventing any contact between web and rollers to eliminate scratching and keep the driving power to a minimum.
2. Heating on both sides of web to speed up the drying/curing. Every heating section is adjustable, giving operators an excellent heating profile.
3. Equipped with super conductive heater to shoot up the temperature.
4. Long heating length and takes up little space.
5. A total of three models with 15, 25 and 35 meters heating length, are available.

► Tower Dryer 塔式熱風烤箱 ◀

Specifications 規格:

Model	型式	MT-5070TD-15	MT-5070TD-15	MT-5070TD-25	MT-5070TD-35
Drying length	烘乾長度	15M(米)	15M(米)	25M(米)	35M(米)
Machine width	機器面寬	1.7M(米)	1.7M(米)	2.3M(米)	2.9M(米)
Heaters	電熱片	4PCS/片	12PCS/片	20PCS/片	28PCS/片
Max.web temperature	捲材最高溫度	70℃	150℃	150℃	150℃
Max.heater temperature	電熱片最高溫度	200℃	200℃	200℃	200℃
Max.power needed	最高耗電量	21kw	45kw	70kw	90kw

► Tunnel Dryer 隧道式烤箱 ◀

Custom made 依需求訂製



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