

全新一代 節能黑科技

The Next Generation: Redefining Efficiency.



700N | Series

機電一體 超高速電腦包縫機

Mechatronic Ultra High Speed Overlock Sewing Machine



700N



700N SERIES

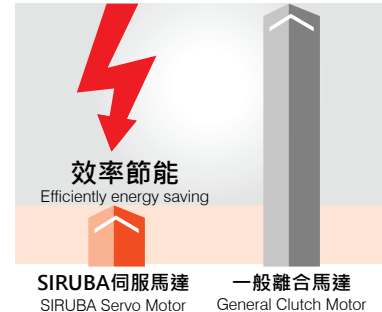
全新一代 機電一體超高速多功能電腦包縫機

New Generation Mechatronic Ultra High Speed Overlock Sewing Machine

低耗能! POWER SAVING!

將高速直驅伺服馬達、電控箱、電源開關完全整合於縫紉機身，並支援多種選配功能，打造機電一體化、直驅高效的包縫機。

700N is equipped with high-speed direct drive servo motor, electric control box, and power switch. In addition, it supports a variety of optional functions to become an all-in-one direct drive overlock sewing machine.



1 高速、穩定、高功率的一體式直驅，附帶編碼器伺服馬達控制系統，運轉平穩、高效

Equipped with a high-speed, high-power integrated direct-drive system with encoder servo motor control, ensuring smooth, stable, and efficient operation.

3 全新觸碰式按鍵，於多功能液晶顯示面板操作更為簡潔、方便

Redesigned touch keys paired with a multifunction LCD panel for easier, more intuitive operation.

2 智能化多點安全感測裝置，防護全面

Intelligent multi-point safety detection system ensures all-around protection.

4 人性化設計，支援多國語言操作面板

User-friendly design with multilingual operation panel support.



700N UPGRADED DIGITAL CONTROL SYSTEM

機電一體 多功能步進馬達控制單元

Mechatronic Stepping Motor-Controlled Multifunction Computerized System



700N/SCT 多功能步進馬達控制包縫機

切線／抬壓腳／送料牙高低 全數位調整

Multi-function Stepping Motor Control Overlock Machine Digital Adjustment for Cutter / Foot Lift / Feed Dog Height

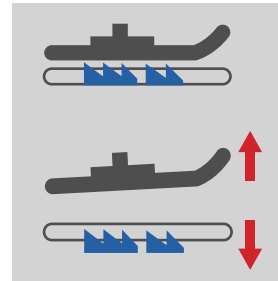


700N/SCF 多功能步進馬達控制包縫機

切線 / 抬壓腳 / 送料牙高低 / 粗細針 / 差動 全數位調整

Multi-function Stepping Motor Control Overlock Machine—
Digital Adjustment for Cutter / Foot Lift / Feed Dog Height /
Stitch Width / Differential

- 步進馬達驅動機構，反應靈敏、噪音低、速度快。
- 車縫厚薄布料時，可藉由電腦控制送料牙齒高低調整；且車縫前送料牙可完全下沉，方便放置縫製物。
- Stepping motor drive system delivers fast response, low noise, and high-speed performance.
- Computer-controlled feed dog height adjustment ensures smooth sewing across varying fabric thicknesses. The feed dog fully lowers before stitching begins, making it easier to position materials.



送具下沉功能：
壓腳抬起時，送具自動下沉，確保送料零干擾。

Feed dog dropping function :
when presser foot lifts, the feed dog drops to ensure tape feeding without obstacle.

延續SCT之特點，增加電腦控制粗細針與差動調整，成為SCF系列。

- 車縫不同工序時，可藉由電腦控制設定送料牙、針距大小及差動齒行程調整。
- 多功能操作面板設計，車縫參數一鍵完成。

Inheriting the core advantages of the SCT series, the SCF series takes a leap forward with computerized stitch width and differential feed control.

- Computerized control allows easy adjustment of feed dog position, stitch width, and differential feed ratio for different sewing processes.
- Multifunctional control panel enables one-touch setup for all sewing parameters.



700N/ECM-N

超高速電腦包縫機
搭配步進式切刀及抬壓腳裝置

Mechatronic Ultra High Speed Overlock Sewing
Machine with Stepping Motor Drive Tape/ Thread
Cutter & Presser Foot Lift



700N/LFM/LFA

超高速電腦包縫機
搭配步進送帶裝置

Mechatronic Ultra High Speed Overlock
Sewing Machine with Stepping Motor
Drive Elastic Tape Feeding Device



ECM-N 步進式切刀 & 抬壓腳裝置

STEPPING MOTOR DRIVE TAPE/THREAD CUTTER/ PRESSER FOOT LIFT

步進馬達驅動機構，反應靈敏、噪音低、速度快。

Precision stepping motor drive delivers rapid response, ultra-low noise, and high-speed performance.



LFM 步進馬達送帶裝置

STEPPING MOTOR DRIVE ELASTIC TAPE FEEDING DEVICE

利用步進馬達帶動鬆緊帶，使其放鬆至零鬆緊狀態，並可控制所需鬆緊帶之長短，使車縫時鬆緊度保持一致；同時達到超高速運轉，提升生產效率。

Elastic feeding driven by stepping motor. It controls elastic length fed as required, and ensures consistent tension during sewing with high speed to increase efficiency.

※LFA 為選配件 LFA Optional



700N/ECA-U/DCM

超高速電腦包縫機 搭配步進後送布裝置

Mechatronic Ultra High Speed Overlock Sewing Machine with Stepping Motor Rear Fabric Puller

- 穩定且均勻地拉動布料，確保縫製過程中布料進給平穩，提升縫線品質與生產效率。
- 電子控制系統驅動，具有更高的精準度與靈活性。

- Ensures stable and even fabric feeding for smooth sewing, improving stitch quality and production efficiency.
- Driven by an electronic control system for greater precision and flexibility.



DCM 步進馬達後送布裝置

STEPPING REAR FABRIC PULLER

1. 電子控制：透過步進馬達驅動，配合電子控制器，可精準調整拖布輪的速度與送布節奏，適應不同布料及縫製需求。
2. 均勻送布：拖布輪與縫紉機的送布牙協同工作，確保布料在高速縫製時不打滑、不起皺，特別適合厚重、彈性或多層布料。
3. 自動化功能：與縫紉機的自動化系統整合，例如自動切線、抬壓腳，提升操作效率。

1. Electronic Control:

Driven by a stepping motor and integrated with an electronic controller, the fabric-pulling roller allows precise adjustment of speed and feeding rhythm to accommodate various materials and sewing requirements.

2. Consistent Fabric Feeding:

Works in sync with the machine's feed dogs to ensure smooth, slip-free feeding during high-speed sewing—ideal for heavy, stretchable, or multilayer fabrics.

3. Automation Integration:

Seamlessly connects with the sewing machine's automation features, such as automatic thread trimming and presser foot lifting, to enhance operational efficiency.

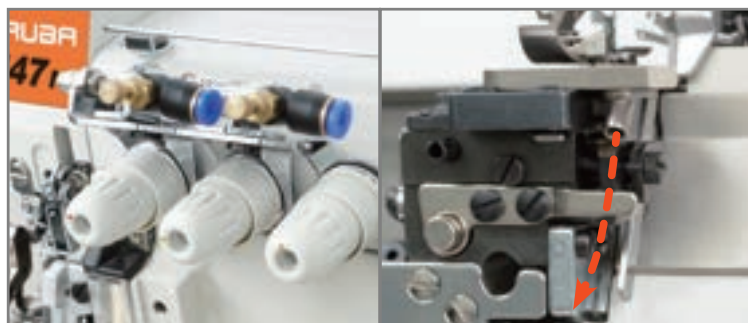


700N/ECA-U/BKT

超高速電腦包縫機

搭配氣動式切刀與抬壓腳裝置及簡易式自動包線頭裝置

Mechatronic Ultra High Speed Overlock Sewing Machine with Pneumatic Type Tape/Thread Cutter & Presser Foot Lift & Simply Auto Back Latch

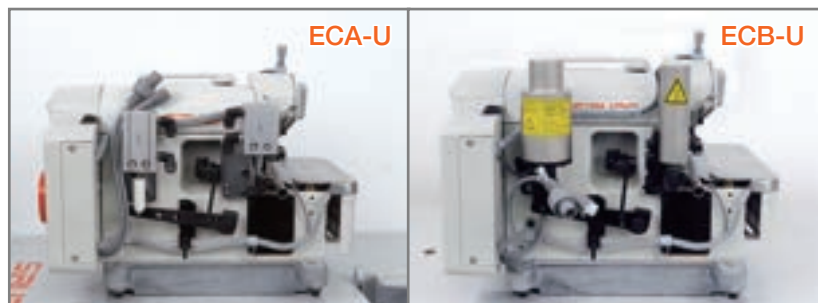


BKT 簡易式自動包線頭

SIMPLY AUTO BACK LATCH

為ECA延伸功能·車縫效率極高；針板採特殊風道設計·線頭於切線後瞬間吸回·線頭長度約3公分。

It is an ECA extending function, the sewing efficiency is extremely high. The needle plate is specially designed with a suction channel to quickly retract the thread after trimming. The thread length is approximately 3cm.



	三電眼 Three sensors	切刀 Cutter	抬壓 Foot Lifter	氣動配件Pneumatic Set	
				吸風集塵組 Suction Set	吸風線槽 Suction Channel
ECA-U	V	氣動 Pneumatic	氣動 Pneumatic	V	V
ECB-U	V	電動 Electric	電動 Electric	V	V

(附電眼節能裝置)
(WITH SENSOR-CONTROLLED ENERGY-SAVING DEVICE)

ECA-U 氣動式切刀 & 抬壓腳裝置

PNEUMATIC TYPE TAPE/THREAD CUTTER/ PRESSER FOOT LIFT

ECB-U 電動式切刀 & 抬壓腳裝置

SOLENOID TYPE TAPE/ THREAD CUTTER/ PRESSER FOOT LIFT

採用新一代電眼·性能再升級·ECA 為氣動式·ECB 為電動式·搭配吸風線槽·操作更順暢。

Brand new sensor upgrades the performance. ECA is pneumatic type, and ECB is electric type, compatible with air suction slot, which makes the operation more smoothly.

1. 手動、半自動及全自動操作模式·附切換按鍵·操作模式可透過面板輕鬆調整。
2. 防誤切保護裝置:切刀旁安裝電眼·如被遮擋·切刀將不動作·有效防止切刀誤切布料。
3. 手動切線補償按鍵·如因操作若未切斷線·可透過此按鍵進行手動切線。
4. 手動模式下·可後踩踏板切線。
5. 針對網紗、強反光絲光棉等特殊布料·採用專業電控程式控制·均能輕鬆車縫及完成切線·不會造成切刀誤切。

1. Manual, semi-auto and fully-auto operation mode, attached the switch keys, and could be adjusted by the panel.
2. Mistake-proof protection device: One sensor equipped near the trimmer. If the sensor is blocked, the trimmer is deactivated effectively for avoiding from cutting the fabric.
3. Manual trimming compensation stitch key: If the thread is not cut due to the operation, it can be done by the key.
4. Under the manual mode, it could be fully backward pedaled to cut the thread.
5. For those special fabrics such as mesh fabric, mercerized cotton etc, the stitches are easily accomplished as well as the trimming by the professional computer controlled without mistake-trimming.



自動切刀裝置 (ECA-U/ECB-U)

當電眼偵測到布料前後邊緣時，切刀會精準下刀，自動切斷空車線。搭配吸風線槽，操作更順暢。

Automatic thread cutter device (ECA-U/ECB-U)

When sensor detects the front and rear edges of the fabric, the cutter automatically will cut the thread. Compatible with air suction slot, which makes the operation more smoothly.



手動切刀按鍵

如因操作問題未切斷線，可透過此按鍵進行手動切線。
* 標配 LED 照明功能。

The button of manual cutter

Manual trimming compensation stitch button: If the thread was not cut due to the operation, it can be done by using manual cutter button.

* Standard feature: LED lighting.



可調式電眼裝置 (ECA-U/ECB-U)

針對網紗、強反光絲光棉等特殊布料，採用專業電控程式控制，均能輕鬆車縫並完成切線，不會造成切刀誤切。

Adjustable sensor device (ECA-U/ECB-U)

For special fabrics such as mesh yarn and strong reflective mercerized cotton, professional electric control program is adopted, which can easily sew and complete thread trimming without causing cutting mistake.



自動抬壓腳裝置

腳踩踏板回踏即可抬升壓腳，操作快速方便，減少不必要的體力消耗，提升製程速度與產量。

Automatic presser foot lifter

When the foot pedal is stepped back - the presser foot will raise. It can provide convenience for operation, reduces unnecessary physical exertion, and doubles the process speed and multiplied output.

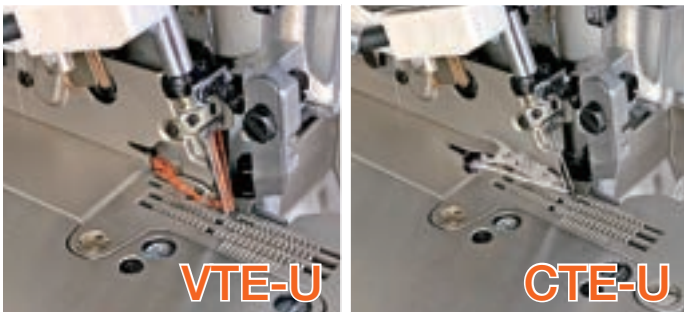
VTE-U 側吸式自動切線裝置

SIDE SUCTION AUTO THREAD CHAIN CUTTER DEVICE

電控系統支援電眼節能裝置，採用電眼偵測布邊，透過控制箱調整旋鈕，控制吸風功能於切線時運作，減少空壓設備能源消耗，並避免縫線浪費。

Our computerized system drives sensor-controlled energy saving device.

Sensor checks the fabric edge. Turn the button of control box to set the time of air suction of chain-cutter. It saves the energy consuming of air compressor system and also saves thread consuming.



VTE-U

CTE-U

	前/中電眼 Front/middle sensors	抬壓 Foot Lifter	氣動配件Pneumatic Set	
			吸風集塵組 Suction Set	吸風線槽 Suction Channel
CTE-U / VTE-U	√	氣動 Pneumatic	√	√

(附電眼節能裝置)

(WITH SENSOR-CONTROLLED ENERGY-SAVING DEVICE)

CTE-U 下吸式自動切線裝置

FLAT SUCTION AUTO THREAD CHAIN CUTTER DEVICE

以電眼偵測布邊，控制吸風功能於切線時運作，減少空壓設備能源消耗，並避免縫線浪費。

1. 切刀吸風口的設計，使切線更加快速。
2. 針對網紗、強反光絲光棉等特殊布料，採用專業電控程式控制，均能輕鬆縫製並完成切線，不會造成切刀誤切。
3. 「切線後自動停機功能」以及「無布料即不縫功能」可減少縫線浪費。

Sensor checks the fabric edge. It saves the energy consuming of air compressor system and also saves thread consuming.

1. The design of the suction inlet of the trimmer makes the trimming faster.
2. For those special fabrics such as mesh fabric, mercerized cotton etc, the stitches are easily accomplished as well as the trimming by the professional computer controlled without mistake-trimming.
3. Functions with auto stop sewing after trimming and with no fabric can save the stitches.

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747 N - 514 M - 3 - 2 4 / ECM-N

- ① 線數**
Thread numbers
- ② 機種別**
Model
- ③ 縫合方式**
Sewing types
- ④ 車縫布料/上勾針縫容量**
Sewing fabric/Upper looper capacity
- ⑤ 送具型式**
Feed dog type
- ⑥ 針距**
Needle gauge
- ⑦ 包邊寬度**
Overedge width
- ⑧ 配件**
Device
- ⑨ 馬達 Motor**
Q : Q Series

700N	布料厚度 Fabric Weight												
	L	M	H										
747N-514M-3-24				2	4	2	4	0.7~2	3.6	5.5	#11	7000	
747N-514M-3-24/SCT				2	4	2	4	0.7~2	3.6	8	#11	7000	
747N-514M-3-24/SCF				2	4	2	4	0.7~2	3.6	8	#11	7000	
747N-514M-3-24/ECA-U/DCM				2	4	2	4	0.7~2	3.6	5.5	#11	7000	
747N-514M-3-24/LFM				2	4	2	4	0.7~2	3.6	5.5	#11	6500	LFA
747N-514M-3-24/ECA-U				2	4	2	4	0.7~2	3.6	5.5	#11	7000	
747N-514M-3-24/ECA-U/BKT				2	4	2	4	0.7~2	3.6	5.5	#11	7000	
747N-514M-3-24/ECB-U				2	4	2	4	0.7~2	3.6	5.5	#11	7000	
747N-514M-3-24/ECM-N				2	4	2	4	0.7~2	3.6	8	#11	7000	
747N-514M-3-24/VTE-U				2	4	2	4	0.7~2	3.6	5.5	#11	7000	
757N-516M-3-35				2	5	3	5	0.7~2	3.6	5.5	#11	7000	
757N-516M-3-55				2	5	5	5	0.7~2	3.6	5.5	#14	7000	
757N-516M-3-35/CTE-U				2	5	3	5	0.7~2	3.6	5.5	#11	7000	