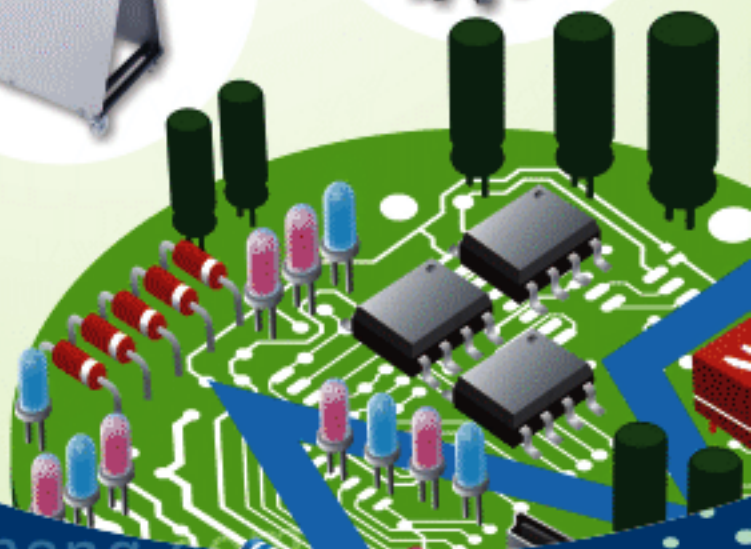
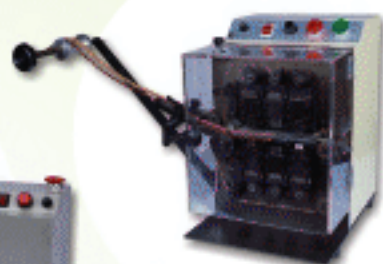




睿城工業股份有限公司

REN THANG CO., LTD.



www.renhang.com

AR-108 氣動式零件引腳成型機-單氣缸

Air Drive Lead Forming Machine - Single Cylinder

尺寸 Dimension: 420(L) x 300(W) x 200(H) mm

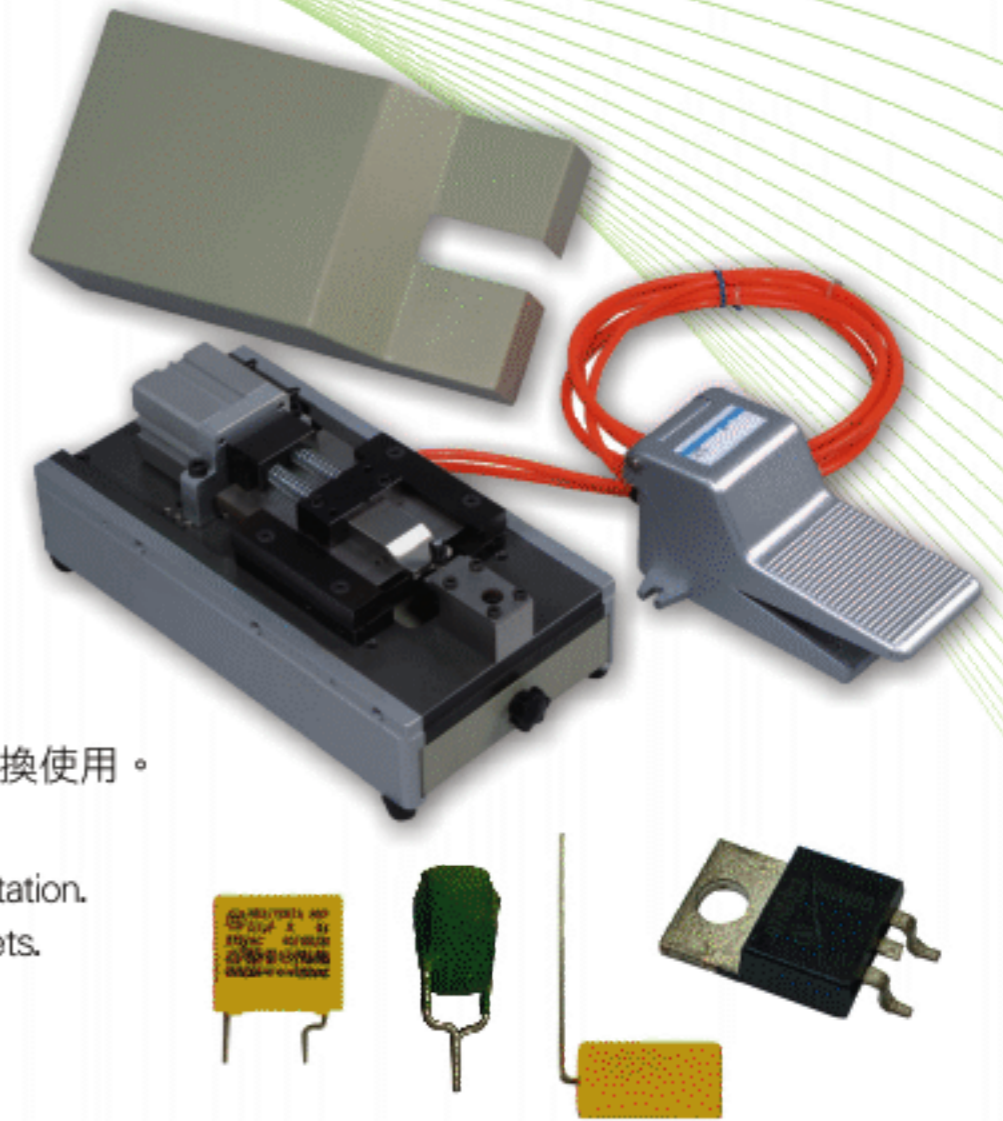
淨重 Net Weight: 8 kgs

氣壓 Air Source: 5 kgs/cm²

加工量 Capacity: 手放三秒一顆 Hand-feeding 1 pcs in 3 seconds

- 單氣缸提供單一方向成型力道。
- 可依規格訂製一方向雙動作等客制機。歡迎直接來圖面，我司立即提供解決方案。
- 電晶體、功率晶體、電容、電阻、已彎腳電阻等各種零件線腳均可加工成型。
- 成型切腳一次完成、規格固定方便作業。
- 體積小，模具更換容易。
- 本機型配備一組訂製模具，模具成型規格依客戶需求製作。若需兩組以上，則可另購模具更換使用。
- Single one forming direction.
- Capable for the single direction with twin forming action, welcome to provide spec. drawing for consultation.
- Most kinds of components are available, and the die is customized. Different spec. uses different die sets.
- Just a single strike to form and cut at a time. The forming spec. is fixed.
- Small and compact, change dies easily.
- Die is tailor-make upon the forming spec. Need other spec., just buy and change extra die sets.
- Provide a suitable solution upon the forming drawing with spec.

AR-108



AR-106 氣動式零件引腳成型機-雙氣缸

Air Drive Lead Forming Machine - Twin Cylinder

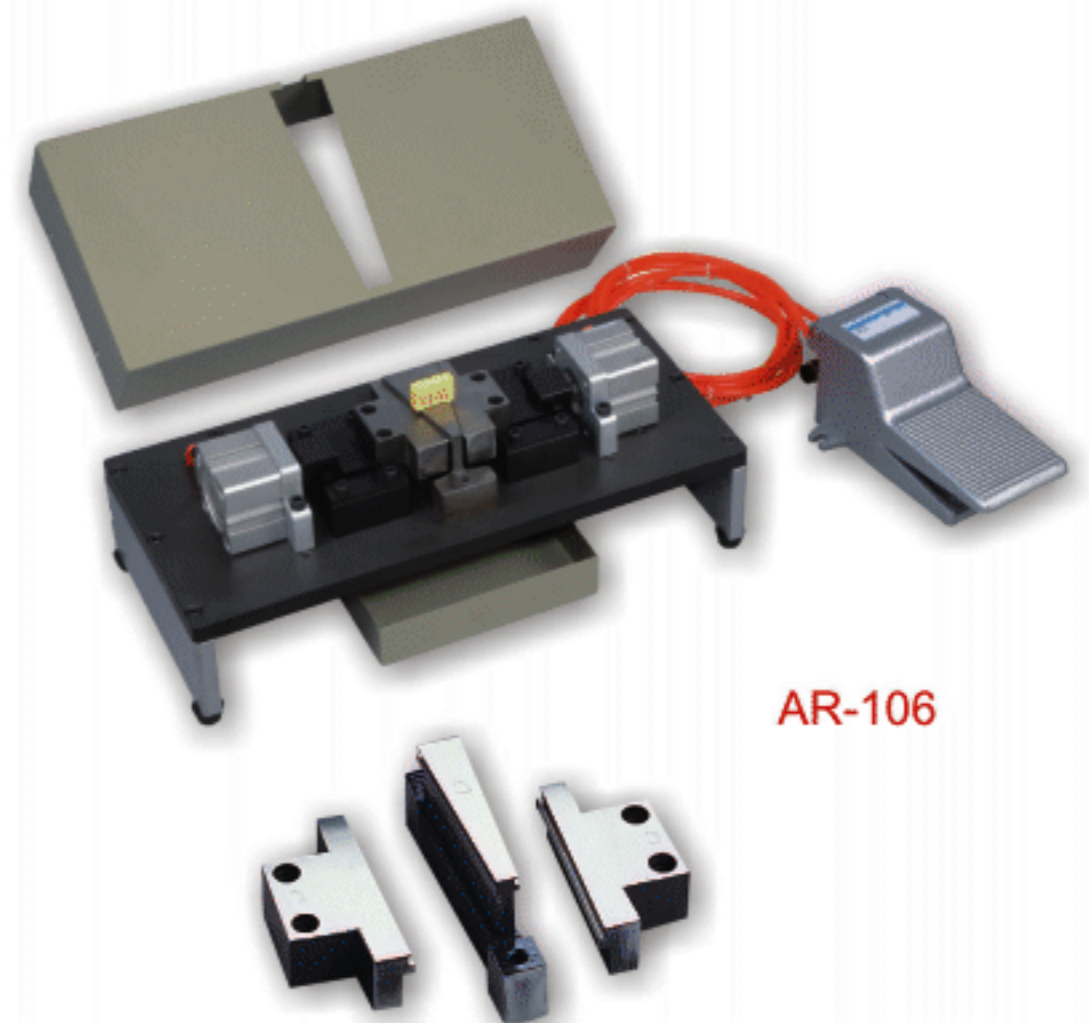
尺寸 Dimension: 420(L) x 300(W) x 200(H) mm

淨重 Net Weight: 10 kgs

氣壓 Air Source: 5 kgs/cm²

加工量 Capacity: 手放三秒一顆 Hand-feeding 1 pcs in 3 seconds

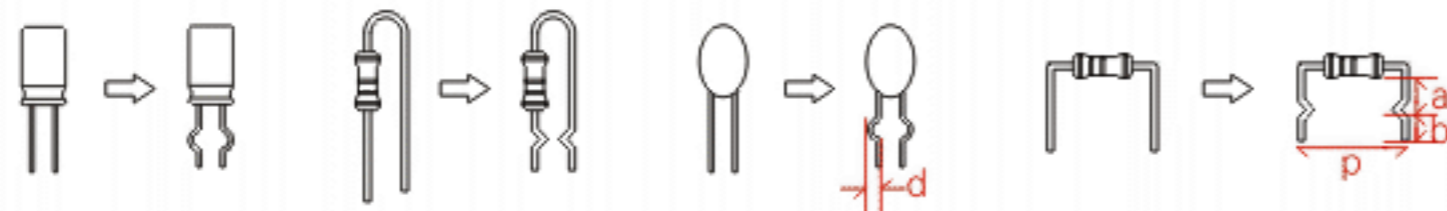
- 雙氣缸從左右雙面成型。
- 梯形底座，適用騎放不同腳距零件。
- 可依規格訂製雙方向雙動作等客制機。請先來圖給樣洽詢。
- 電晶體、功率晶體、電容、電阻、已彎腳電阻等各種零件線腳均可加工成型。
- 成型切腳一次完成、規格固定方便作業。
- 體積小，模具更換容易。
- 本機型配備一組訂製模具，模具成型規格依客戶需求製作。若需兩組以上，則可另購模具更換使用。
- 歡迎直接來圖面，我司立即提供解決方案！
- Twin cylinders form and cut from both sides.
- Trapezoid die base is available for different pitches, 7-20mm.
- Capable of the double direction with twin forming action, welcome to provide the spec. drawing for consultation.
- Most kinds of components are available, and the die is customized. Different spec. uses different die sets.
- Just a single strike to form and cut at a time. The forming spec. is fixed.
- Small and compact, change dies easily.
- Die is tailor-make upon the forming spec. Need other spec., just buy and change extra die sets. One forming spec. applies to one die set.
- Provide the suitable solution upon the forming drawing with spec.



AR-106

A	K位高度 Kink Height	常見5mm
B	腳長 Lead length	常見5mm
D	K位深度 Kink Depth	常見2mm
P	腳距 Pitch	標準7-20mm
W	線徑 Wire Diameter	請提供最大值

內K或外K適用不同模具組。
Outward or inward kinks apply to different die sets.
其他固定規格請指明。
Fixed at certain, please advise.



AR-110 氣動式零件引腳裁斷機-單氣缸

Air Drive Lead Cutting Machine - Single Cylinder

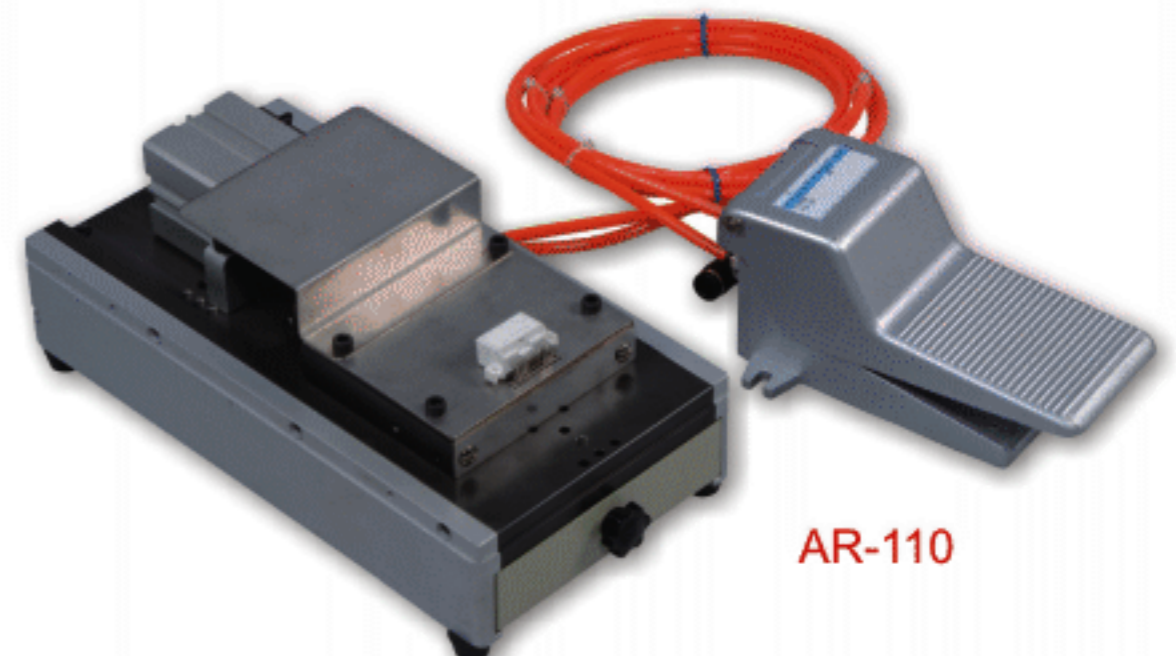
尺寸 Dimension: 280(L) x 150(W) x 130(H) mm

淨重 Net Weight: 8 kgs

氣壓 Air Source: 5 kgs/cm²

加工量 Capacity: 手放三秒一顆 Hand-feeding 1 pcs in 3 seconds

- 本機採用氣壓帶動切刀。
- 切腳板上預留各樣孔位，適合各樣奇型怪狀零件之切腳。
- 可更換切腳板配合各種特殊異型零件。歡迎來圖面、帶樣品討論。
- 切斷後腳長固定，請訂購時指明。
- The cutter is driven by air, which is lower cutting pressure on parts.
- Customized diverse holes on cutting plates are for different part leads.
- Cutting plate can be tailored for odd parts. Welcome to provide samples for free consultation.
- After-cut lead length is fixed, please, advice upon the order.



AR-110



CF-360 散裝電容剪腳機含計數器

Loose Radial Lead Cutter with Counter

電壓 Power: 110V/60Hz ; 220V/50Hz
 尺寸 Dimension: 500 (L) x 430(W) x 470(H) mm
 淨重 Net Weight: 24 kgs
 毛重 Gross Weight: 27 kgs

- 採平面送料，手放大小零件皆適用。
- 可依產量、場地擴充購買自動送料盤和送料機組。
- 特殊切斷法，刀具壽命長。
- 光纖計數，設定準確(計數器屬選配。型號:CF-360)
- 調整簡單，操作簡便，保養容易。
- 切斷後腳長公差 $\pm 0.3\text{mm}$ 。若要求更低公差 $\pm 0.2\text{mm}$ 需另外加購壓料機構。
- 切斷後腳長 $2.5\text{--}3.0\text{mm}$ ，需要訂製軌道與切刀。請訂購時指明。
- 特殊立式零件裁斷，歡迎來圖帶料諮詢。
- Linear hand feeding on the trial is suitable for the most parts, which were not cut before.
- Upgradable to CF-366 by adding bowl feeder and worktable.
- An Optical LED Component Counter is an optional accessory. (CF-360)
- Durable cutters from the unique cutting method.
- Easy maintenance and simple adjustment.
- The normal tolerance is $\pm 0.2\text{mm}$, if you require smaller tolerance $\pm 0.1\text{mm}$, press apparatus is available.
- If after-cut length is $2.5\text{--}3.0\text{mm}$, please advise upon the order to customize rail and cutter.
- Welcome to consult any special stand-up radial cutting problem.

CF-360

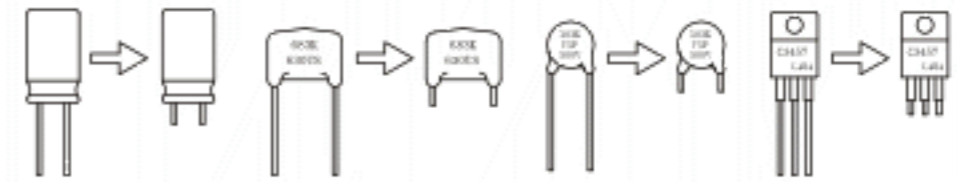


CF-360X 無計數器

Cutter without Counter



CF-360X



A	本體長度Body Length	3 - 25 mm
H	腳長Lead Length	3 - 20 mm
W	線徑Wire diameter	0.4 - 2.0 mm
	加工量Working Capacity	MAX. 9,000pcs/Hour

CF-360LX 散裝電容90度彎腳機

Loose Radial Lead Bending & Cutting Machine

電壓 Power: 110V/60Hz ; 220V/50Hz
 尺寸 Dimension: 520(L) x 500(W) x 470(H) mm
 加工量 Capacity: 9,000 pcs / Hour
 淨重 Net Weight: 38 kgs
 毛重 Gross Weight: 41 kgs

- 採平面震動送料方式進料，操作簡便。
- 手放大小零件(晶體、LED、電容等)均可適用
- 兩段式模具作業，先切斷再成型90度角。
- 切腳模組與成型模組可獨立或合併使用。
- 一機兩用途，少量多樣的90度成型，可節省模具成本。
- 可另外加購安裝計數器。請訂購時指明。
- Linear vibrant feeding is easy to operate.
- LED, crystal transistors, capacitors are suitable to feed by hand.
- Two steps: Cut first and bend into 90 degrees.
- Cutting and bending apparatus can run independently or together.
- Good for various 90-degree bends to save die cost.
- LED component Counter is available, please indicate on the order.

A	本體長度Body Length	3-30
B	本體大小 Body Diameter	3-18
C	肩高Shoulder	3-15
H	腳長Lead Length	3-15
W	線徑 Wire Diameter	可調

單位:m/m



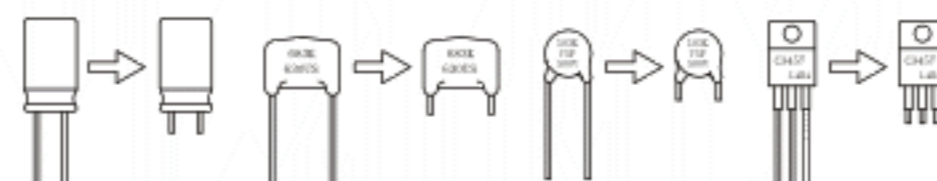
CF-360LX

CF-150 散裝電容剪腳機

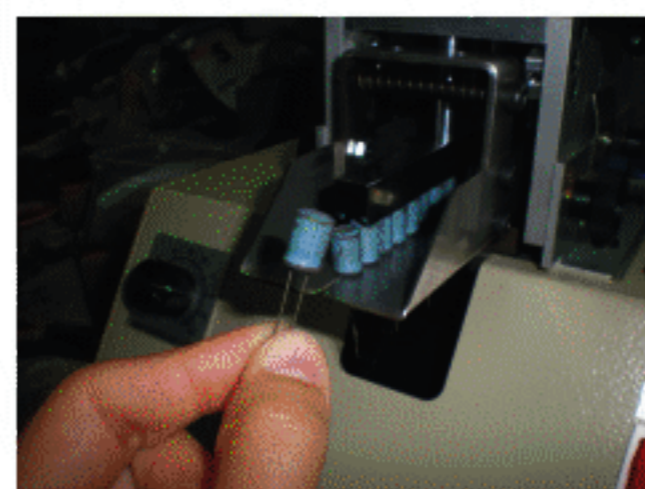
Loose Radial Lead Cutter

電壓 Power: 110V/60Hz ; 220V/50Hz
 尺寸 Dimension: 260(L) x 260(W) x 400(H) mm
 淨重 Net Weight: 10 kgs

- 適用任何能站立的零件。
- 採平面送料，手放大小零件皆適用。
- 特殊切斷法，刀具壽命長。
- 調整簡單，操作簡便，保養容易。
- 正面送料；背面出料。
- 手放料，不受零件外型限制。少量多樣生產合適。
- For most radial parts: LED, Capacitors, Power Transistors, EC, Transistors.
- Compact. Easy maintenance and simple operation.
- Linear Feeding on trail is suitable for most parts.
- Durable cutters from a unique cutting method.
- Feed in the front; finish in the back.
- Most radial parts can be fed. Suitable for various low assemblies.



A	本體長度Body Length	3 - 25 m/m
H	腳長Lead Length	Min. 3 mm
W	線徑Wire diameter	0.35-1.2 mm
	加工量Working Capacity	9,000pcs/Hour



CF-150

CF-366 自動散裝電容剪腳機

Automatic Loose Radial Lead Cutter

電壓 Power: 110V/60Hz ; 220V/50Hz

氣壓 Air Source: 4 kgs/cm²

尺寸 Dimension: 1150 (L) x 700(W) x 1050(H) mm

淨重 Net Weight: 145 kgs

加工量 Capability: 18,000pcs/ Hour

CF-366



- 適合大量生產、短腳作業的最佳省人力設備。
- 已經切斷、短腳作業的零件無法再次上振盤送料，無法站立會倒料。已經短腳的元件建議使用AR-110手持料再次剪更短。
- 切腳機組與振動送料機組可分開或合併使用。分開使用時，可以手動放料。
- 可另外加購安裝計數器。請訂購時指明。
- Shorten leads in the massive production to save the labor cost.
- If the leads were cut, the bowl feeder cannot run them because they fall down easily. Recommend to use AR-110 to cut shortened leads shorter.
- Lead Cutter can work independently from or together with the bowl feeder and supporting table. Hand Feeding is available when removing the bowl feeder.
- LED component Counter is available, please indicate on the order. The Lead Cutter Model No. with counter is CF-360.

型號:

1. 多種零件功能:

- 本體直徑/寬度在10mm以下；本體高度18mm的零件。(如:中小型電解電容、TO-92、LED、小薄膜電容等)建議先來料評估確認。我司會提供最適合的解決方案。
- TO-220功率晶體(方型本體)需要使用單一功能專用盤才可送料順暢。

2. 單一零件功能:

- 單款專用。必須每款來料200PCS以上訂製，交期長。

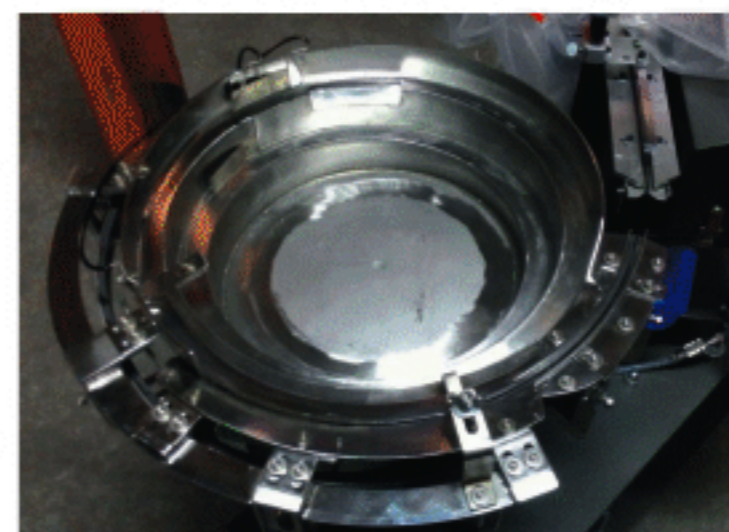
Models :

1. Multifunction :

- The body dia. / width is less than 10mm ; the body height is less than 18mm apply to CF-366. (Such as middle/small-size Electrolytic capacitors, TO-92, LED, small film capacitors, etc.)
- Please provide at least 200 pieces of samples for evaluation and test running.
- Power Transistor/MOSFET TO-220 (cubic shape) must use a specialized single function bowl feeder.

2. Specialized Single Function:

- Each shape for one single bowl. Please provide 200 pcs of each part to customize the bowl feeder. Longer Lead Time.



CF-368 自動散裝電容切腳機：裁斷任何能站立的大顆零件

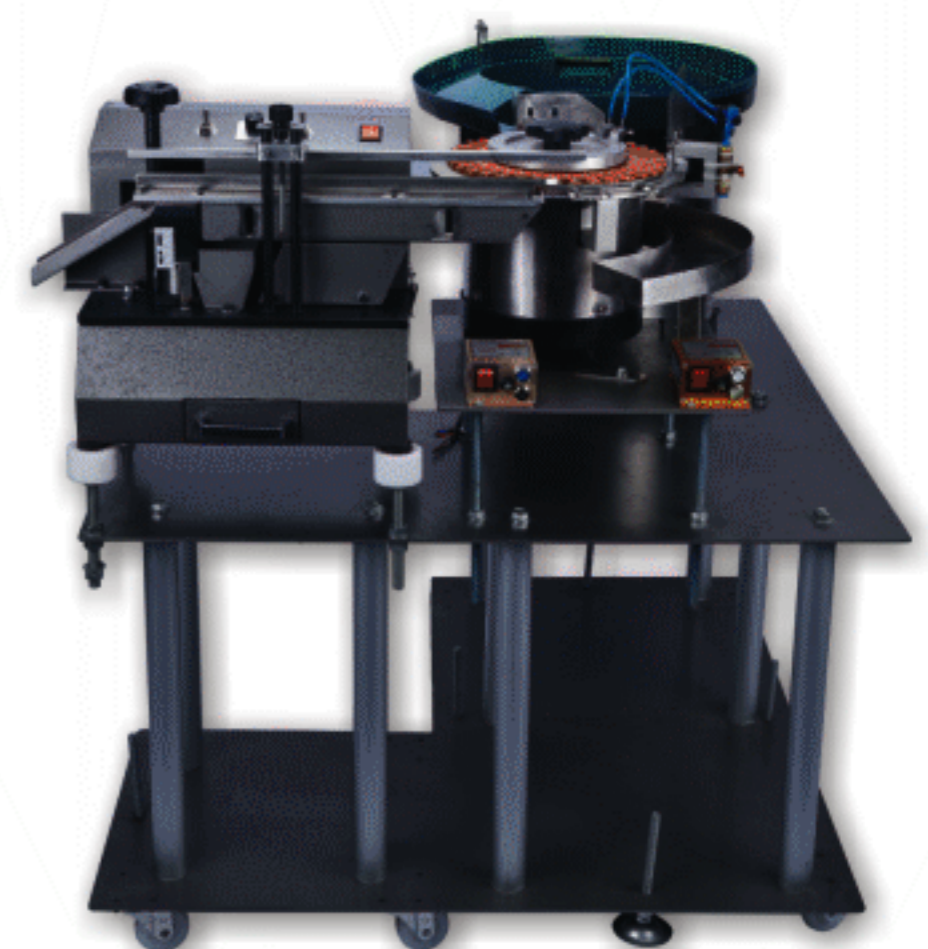
Automatic Loose Radial Lead Cutter : cuts most radial leads (LED, Caps, Transistors, EC)

電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 1050(L) x 1000(W) x 1000(H) mm

淨重 Net Weight: 160 kgs

CF-368



- 本機採用三子盤和一母盤送料，適合切斷任何大型(本體直徑大於10mm)能站立之電子零件。
- 適用零件如電解電容、電晶體、LED、塑膠電容、陶質電容等。圓柱體較順暢。
- 更換規格簡單快速，子盤單價經濟。本機可配合不同規格，加購無限量的子盤使用。
- 大量生產或少量多樣皆適合，為短腳作業最佳輔助設備。
- 標準配備: 附三個子盤供客戶選用，訂購本機時需要提供每種樣品200顆，以利子盤製作與機台試車。
- Available for big components that can stand on the rail of the machine and diameter is over 10mm. Such as FC, LED, Transistor, Mila/Ceramic caps etc.
- Suitable for the mass production or any flexible application to cut leads off.
- The best supporting equipment in shortening leads of the soldering process.
- Quick preparation time with simple and easy adjustment and interchange of Carry Wheels.
- Three 3 Carry Wheels and one bowl feeder are equipped as standard. Please, provide 200 pcs of sample parts' spec. to customize templates and test running.
- The extra Carry Wheel is economy and optional. Unlimited Carry Wheels can be added anytime.



切斷腳長 After-cut Lead Length	3-20mm 可調 Adjustable
加工量 Capacity for dia. ϕ 13- ϕ 16	120pcs/Minute

HCF-101 手搖帶式電容裁斷機

Manual Taped Radial Lead Trimmer by Hand Crank

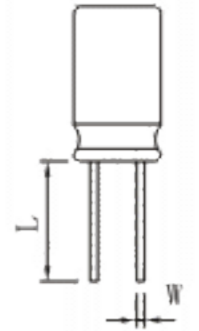
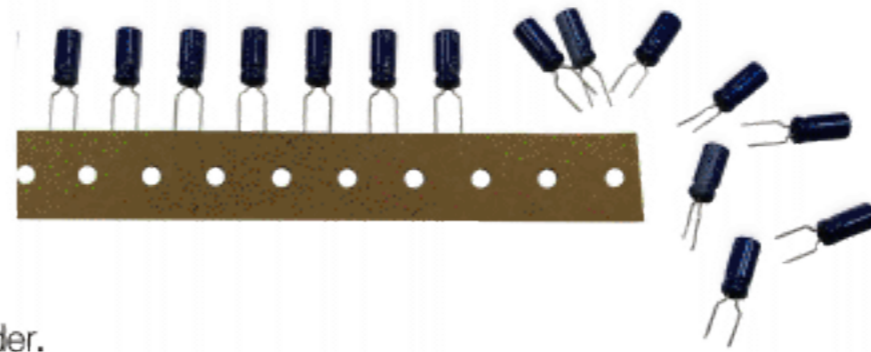
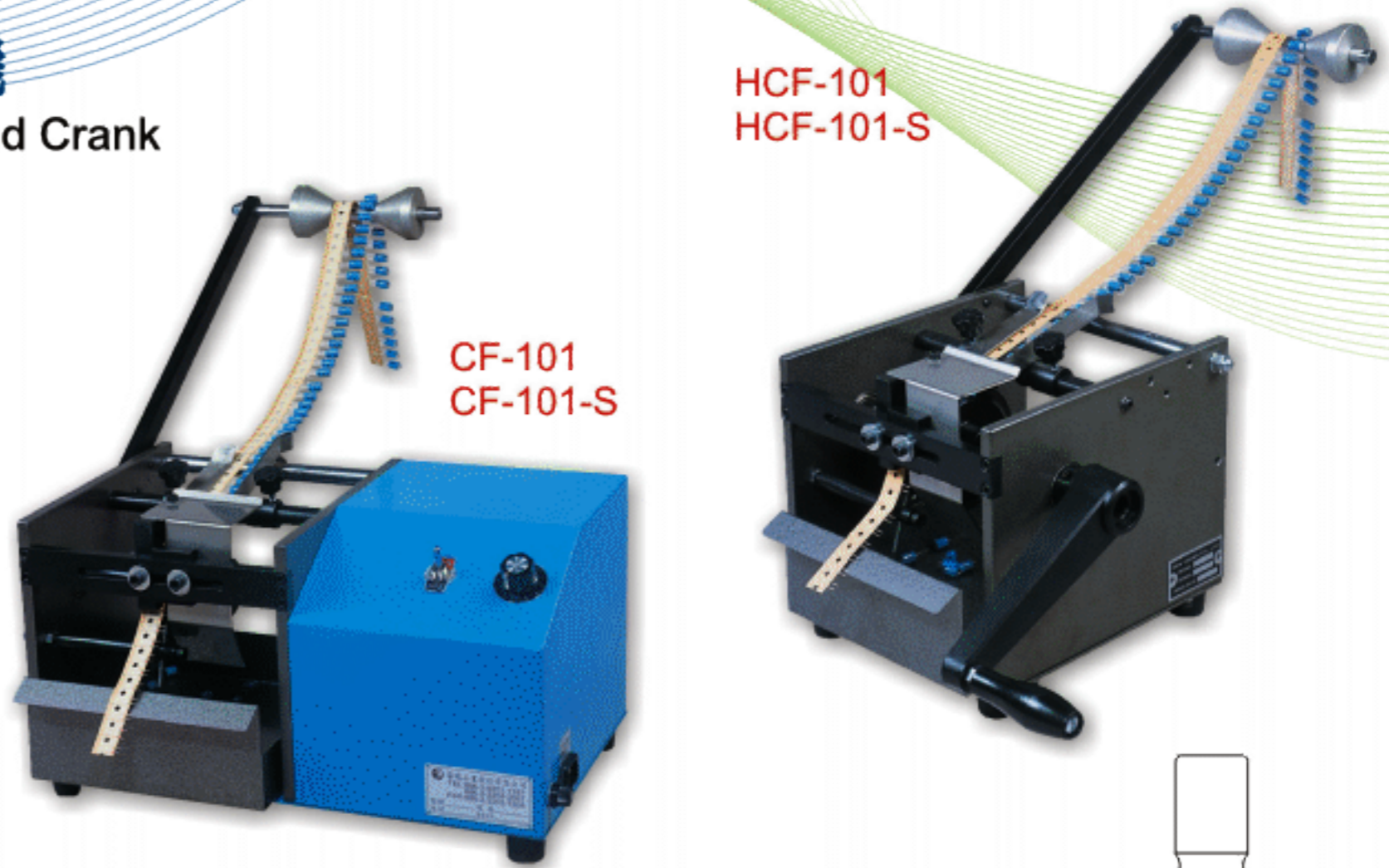
尺寸 Dimension: 430(L) x 320(W) x 320(H) mm
 淨重 Net Weight: 17 kgs
 加工量 Capacity: 25,000 pcs/Hour (Manually)

CF-101 帶式電容裁斷機

Taped Radial Lead Trimmer

電壓 Power: 110V/60Hz ; 220V/50Hz
 尺寸 Dimension: 520(L) x 380(W) x 300(H) mm
 淨重 Net Weight: 24 kgs
 加工量 Capacity: 60,000 pcs /Hour

- 馬達可無段變速、無噪音。
- 帶式單邊電阻、電容、晶體，電子零件等切斷專用機。
- 適用卷裝、盒裝材料。
- 可選配加裝零件計數器。請於訂購時指名。
- 體積小、切斷尺寸精確，適合短腳作業。
- 紙帶孔距A=12.7mm適用標準CF-101/HCF-101
 =15mm適用特殊CF-101S/HCF-101S
- Quiet, high performance motor with adjustable speed.
- Cut off single-side taped radial Resistor, Capacitor, Crystal and similar components.
- Suitable for single bandoleer in roller / reel or AMON box
- Component counter is an optional accessory. Please advise upon the order.
- Compact, suitable for shortening lead operation in precise dimensions.
- CF-101/HCF-101: for 12.7 mm paper tape bare hole pitch (A);
 CF-101S/HCF-101S: for 15 mm paper tape bare hole pitch (A).



單位:m/m

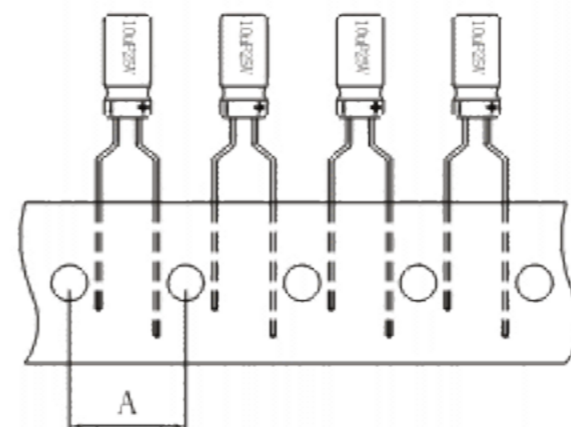
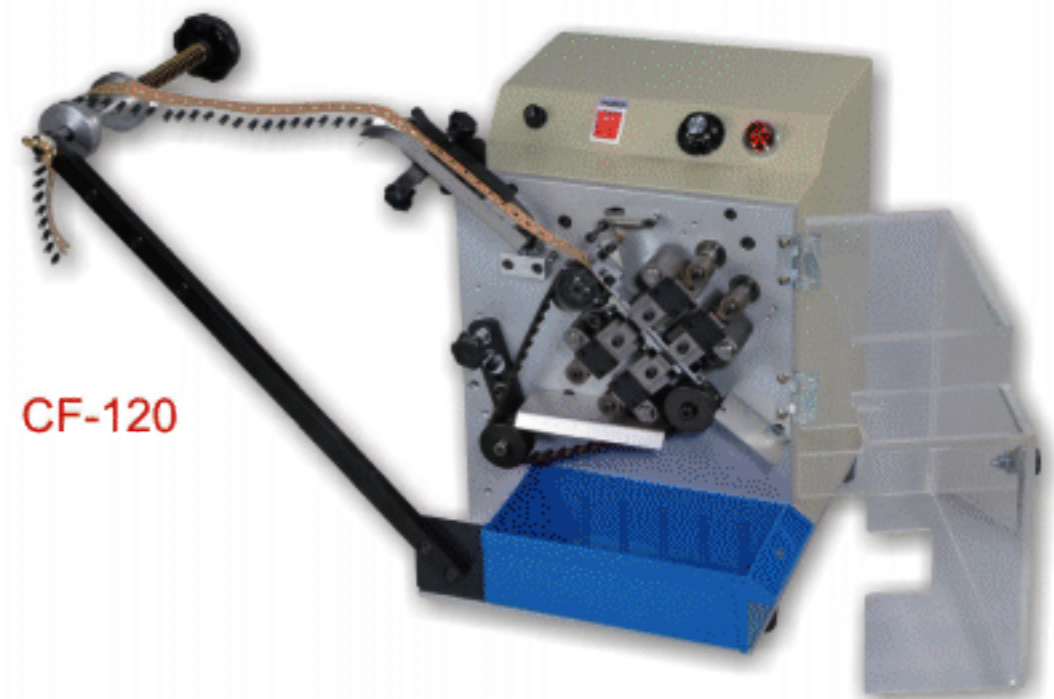
L	腳長 Lead length	3~20
W	線徑 Wire	0.4~1.0

CF-120 帶裝立式零件成型機

Auto Taped Radial Lead Forming Machine

電壓 Power: 110V/60Hz ; 220V/50Hz
 尺寸 Dimension: 450 (L) x 450(W) x 500(H) mm
 淨重 Net Weight: 24 kgs
 加工量 Capacity: Max. 7,200 pcs /Hour

- 標準配有一組成型模具 和一組切刀。
- 常用90度彎腳、SMD貼片彎腳成型、前後K...等簡單形狀。
- 適用標準帶裝零件。紙帶孔距A=12.7mm。
- 可成型切腳，或可只切腳。
- 成型式樣可依客戶規格圖面製作。
- 速度可調，全自動供料。
- Equipped with one set of die and cutter as standard.
- Forming dies (90-degree bend, SMD, kinks) are easy to change over.
- Suitable for standard taped radial components, bare hole pitch is 12.7mm.
- Function can be form & cut or cut-only.
- Welcome to hand us your forming drawing for the best solution.
- Adjustable speed and automatic feed-in.



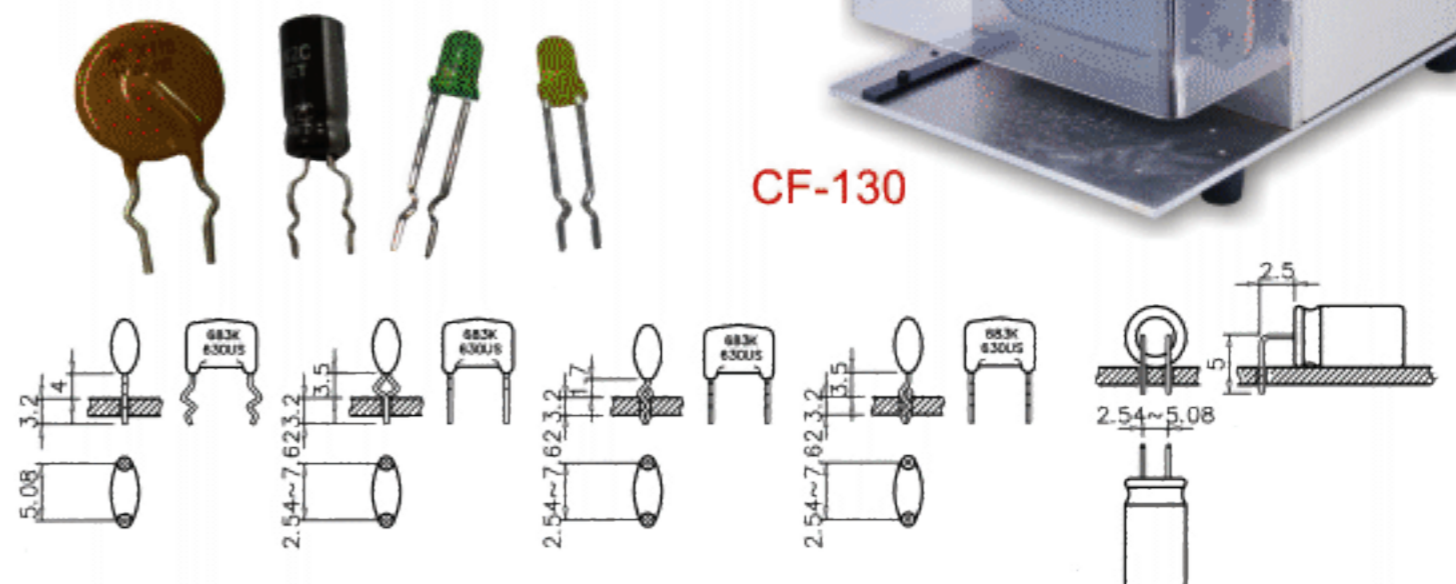
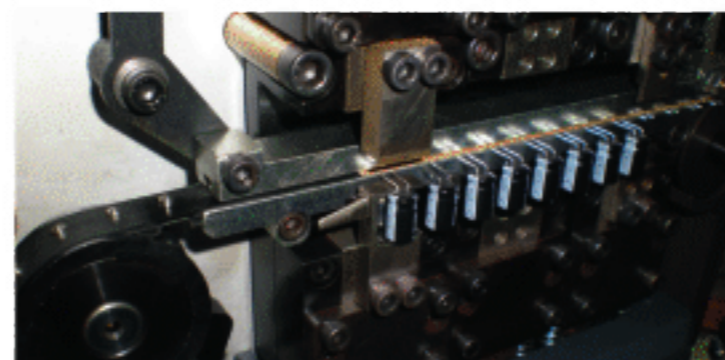
(mm)	標準型Standard	特殊型Special (S)
A	A=12.7mm	A=15.0mm
	孔徑距離Bare Hole Pitch	
型號	HCF-101	HCF-101S
Model	CF-101	CF-101S
	CF-120	—
	CF-130	CF-130S

CF-130 帶裝立式零件成型機

Auto Taped Radial Lead Forming Machine

電壓 Power: 110V/60Hz ; 220V/50Hz
 尺寸 Dimension: 450(L) x 400(W) x 500(H) mm
 淨重 Net Weight: 42 kgs
 加工量 Capacity: Max. 7,200 pieces /Hour

- 標準配有一組兩步成型模具和一組切刀，即是用一種成型規格。
- 適合繁複成型步驟的形狀規格。歡迎直接來圖面，我司立即提供解決方案。
- CF-130: 適用標準帶裝-紙帶孔距12.7mm ;
 CF-130S: 適用特殊帶裝-紙帶孔距15mm。
- Equipped with a two-step forming module and a set of cutters.
- For complicated forming shapes: inward kinks, double kinks, bend & kink.
- CF-130: for 12.7 mm paper tape bare hole pitch;
 CF-130S: for 15 mm paper tape bare hole pitch.



CF-180 帶式電容供料機

Taped Radial Part Feeder

CF-180S 帶式電容供料機

Taped Radial Part Feeder

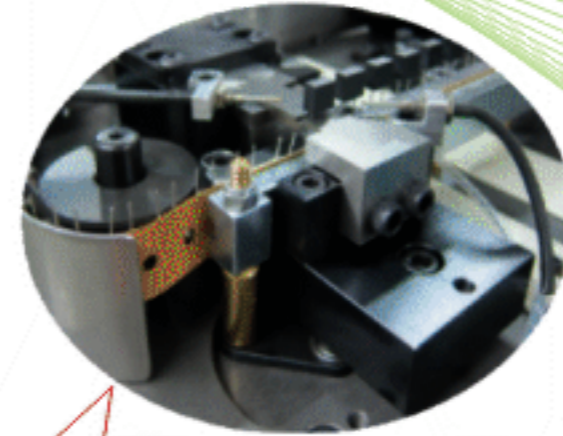
電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 500(L) x 250(W) x 350(H) mm

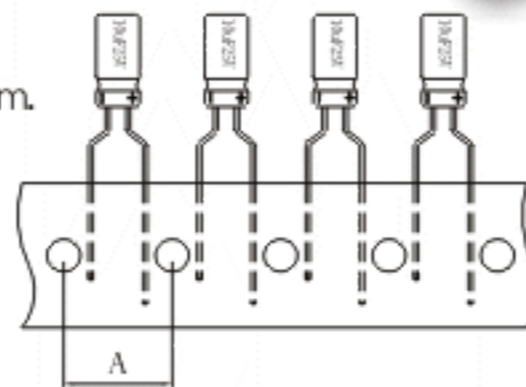
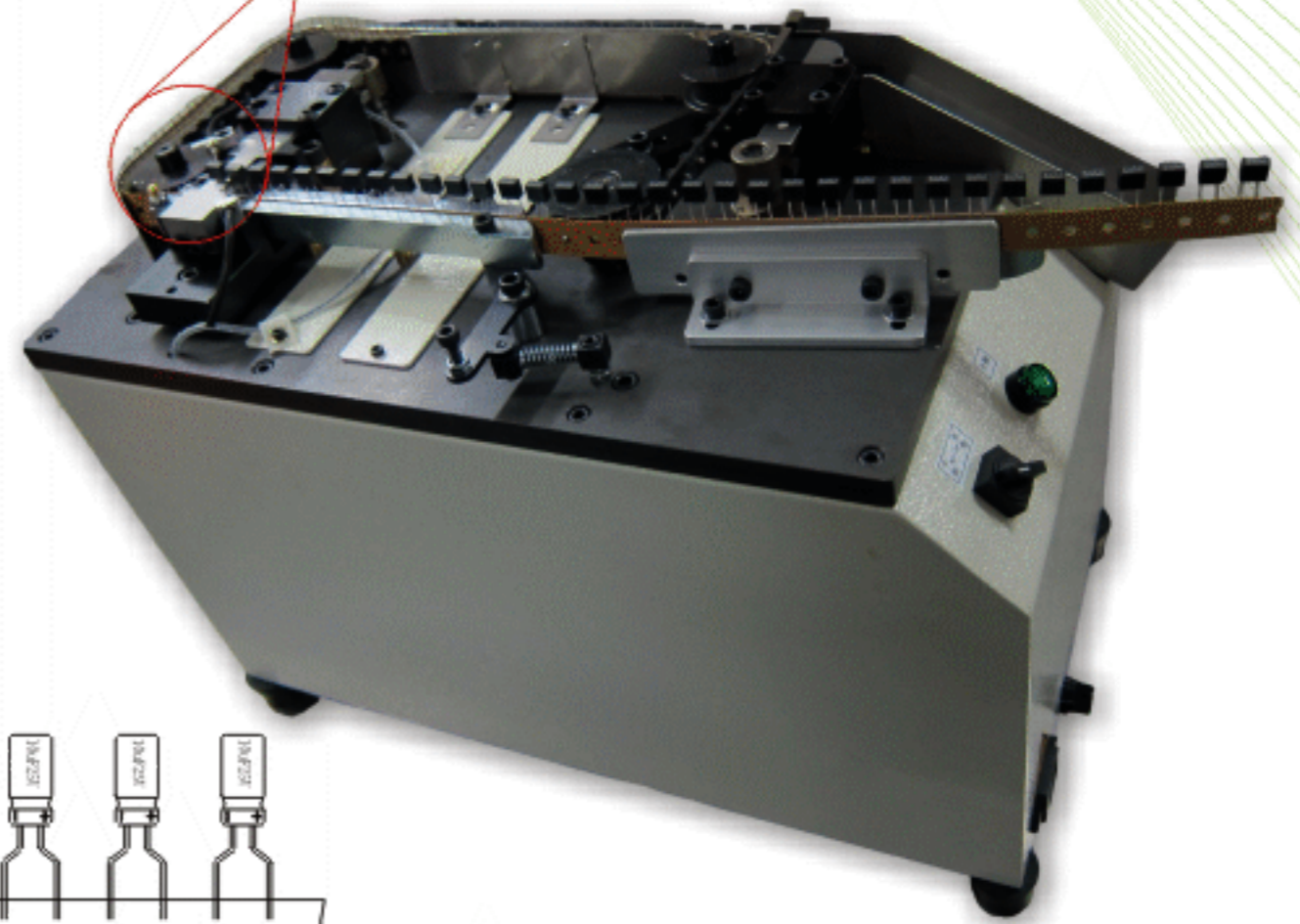
淨重 Net Weight: 23 kgs

加工量 Capacity: 一顆取一顆送 one after one

- 本機係因應機械手臂「即截即插」的產線作業所設計，實現SMT製程無餘料的供料機。
- 適用於帶式之盒裝、捲裝零件。
- 有紙帶孔距(A)12.7mm及15mm兩種規格可供選擇。
CF-180: 紙帶孔距12.7mm
CF-180S: 紙帶孔距15mm
- 可切最粗零件線徑0.8mm。
切斷後腳長2.5-4.0mm可調整。
- Design for the Robotic Arm which can pick and insert tape parts right after cut. Fulfill the no-waste SMT production line.
- Suitable for taped radial parts in ammo box or reel.
- Two spec. options: paper tape bare hole pitch (A) in 12.7mm and 15mm.
CF-180: (A) = 12.7mm
CF-180S: (A) = 15mm
- Max. cut wire diameter: 0.8mm
After-cut lead length is adjustable 2.5-4.0mm.



CF-180



HRFT-301FK 手搖帶式雙K成型機-FKK型

Manual Taped Axial Lead Forming Machine

尺寸 Dimension: 430 (L) x 300 (W) x 280(H) mm

淨重 Net Weight: 8kgs

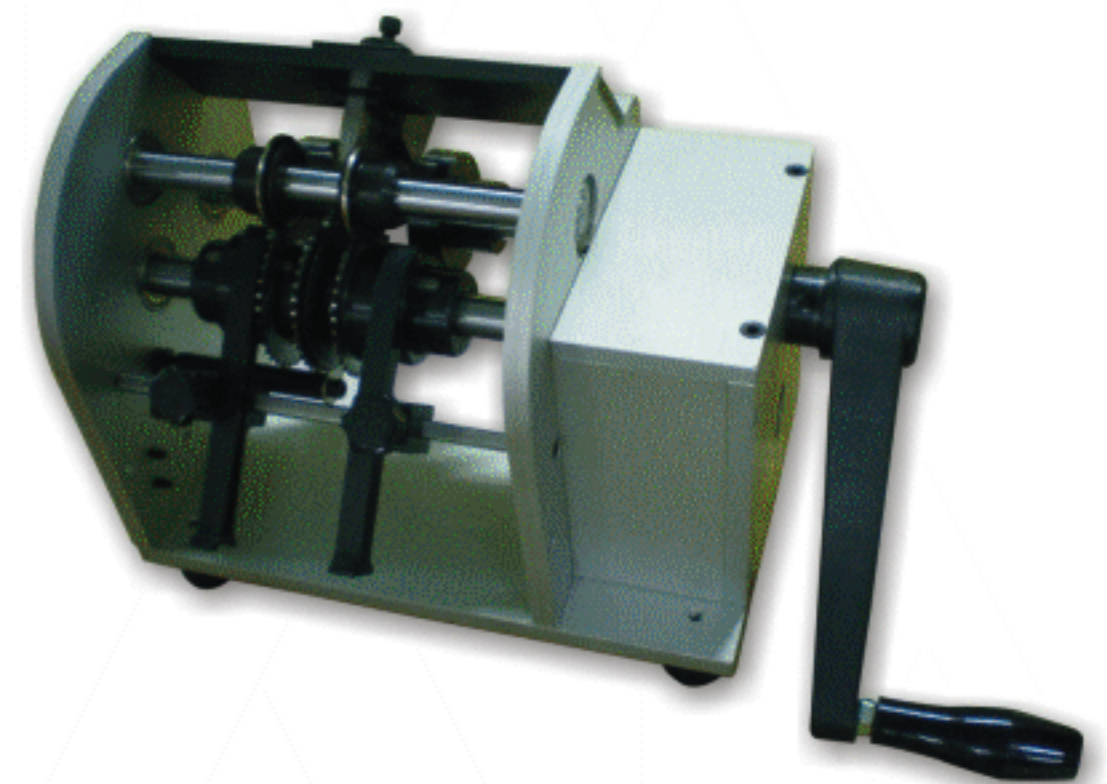
RT-82FK 帶式雙K成型機-FKK型

Automatic Taped Axial Lead Forming Machine

尺寸 Dimension: 520 (L) x 390 (W) x 310(H) mm

淨重 Net Weight: 18kgs

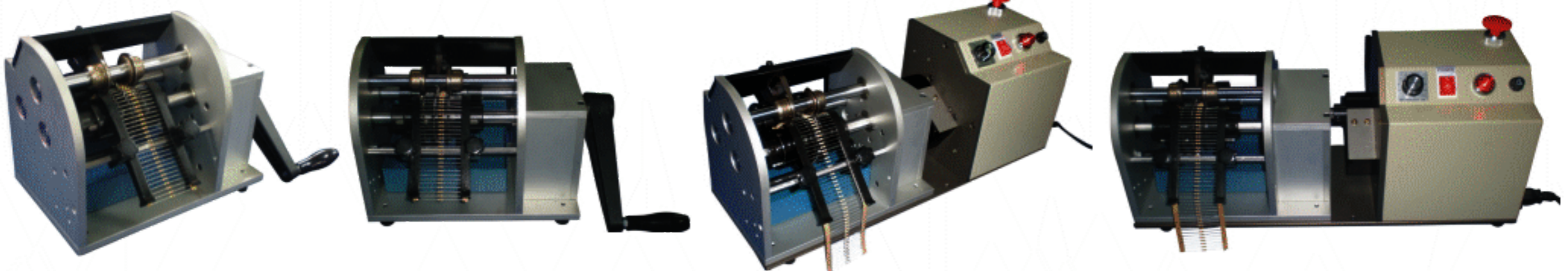
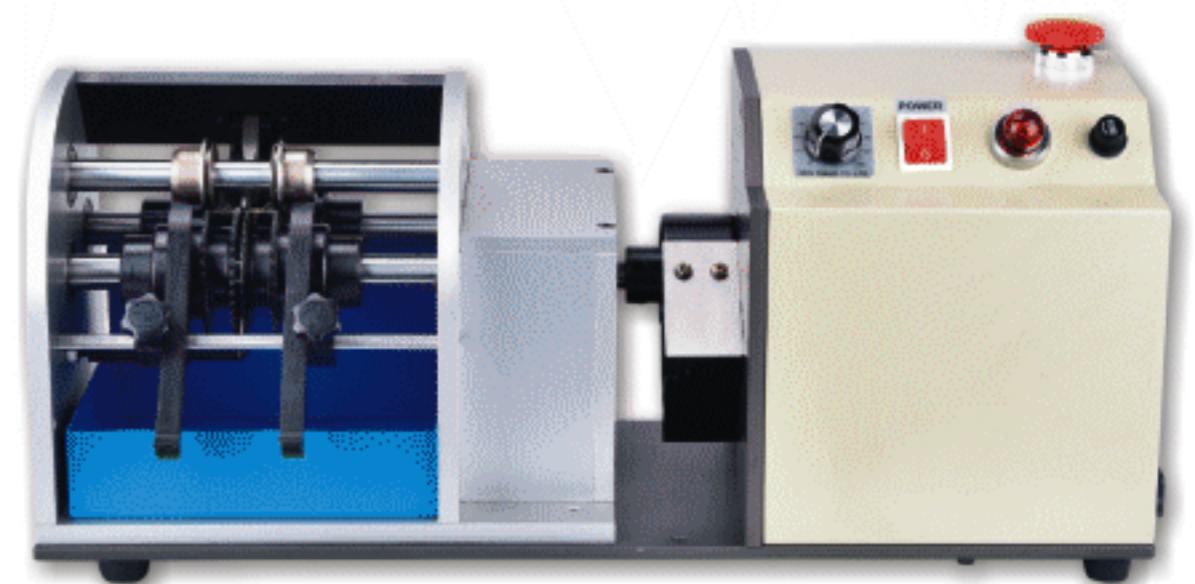
- 堅固耐用，投資報酬率高。
- 人力手動，手搖柄帶動成型。
手工轉動，經濟性高不受外來因素影響(如停電)。
- 體積輕巧，可安裝、夾於桌面上。
- FKK型，針對直立/站立式彎腳 並 打KINK。
- 對電阻及二極體之切腳及折彎曲加工能力強。
- 若有特殊成型規格，歡迎來圖來電訂製。
- 每小時量可達40,000- 60,000個零件。
(視操作員熟練度 和 零件材質來決定 產量高低)
- Solid and durable machines provide a high turnover rate.
- Manually rotate the crank to form. The production line cannot be disturbed by blackout.
- Compact and light to be clicked on the worktable.
- FKK shape is double kinks on both leads.
- Best for taped resistors and diodes.
- Welcome to discuss and customize by the spec. drawing.
- Capacity can be 40,000 to 60,000 pieces per hour.
It depends on the operator's familiarity with the machine and on the lead's material.



HRFT-301FK



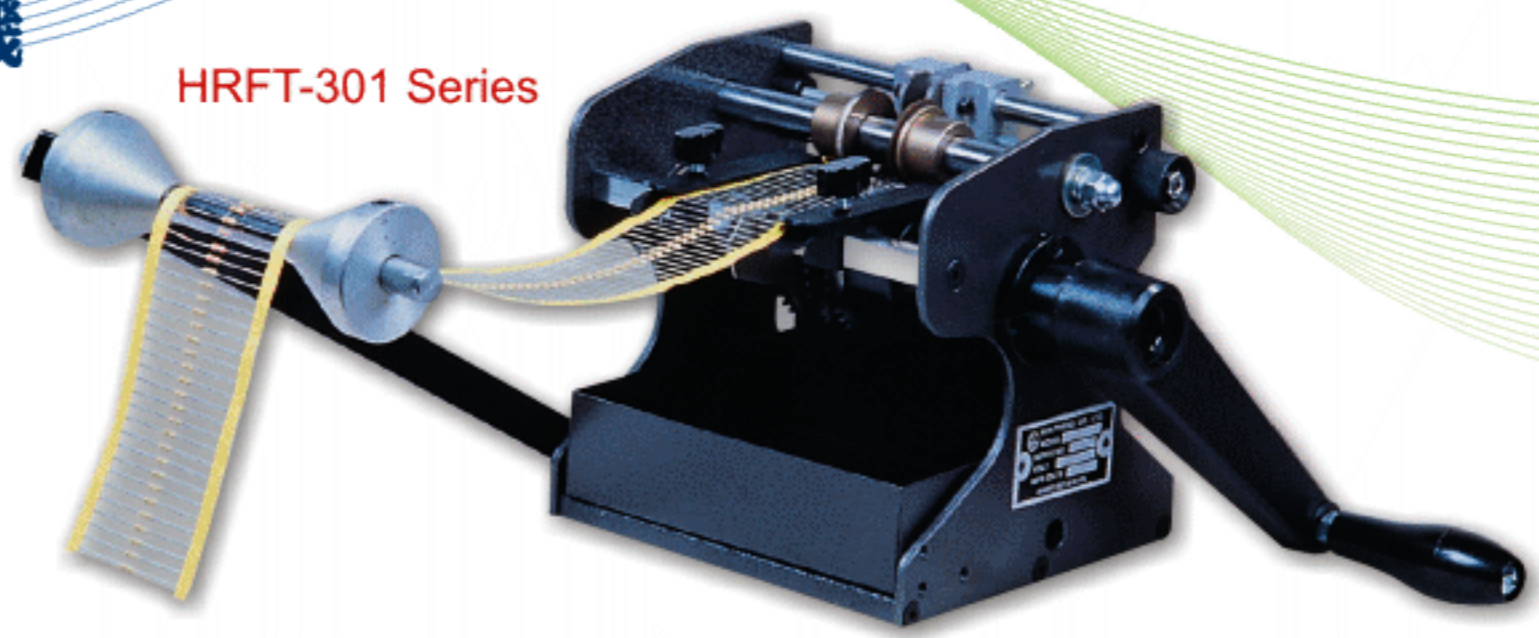
RT-82FK



HRFT-301 手搖帶式電阻成型機

Manual Taped Axial Lead Former

尺寸 Dimension: 430(L) x 300(W) x 280(H) mm
 淨重 Net Weight: 8 kgs
 加工量 Capacity: 4,000-6,000pcs/ Hour

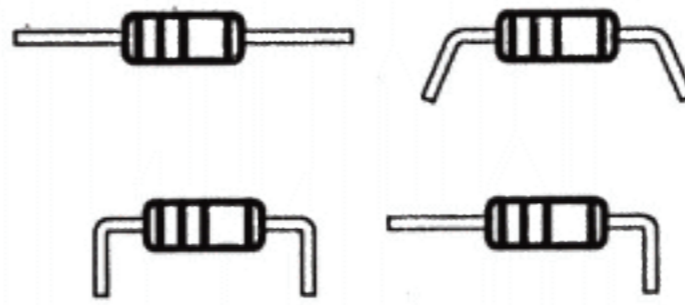


RFT-201 帶式電阻成型機

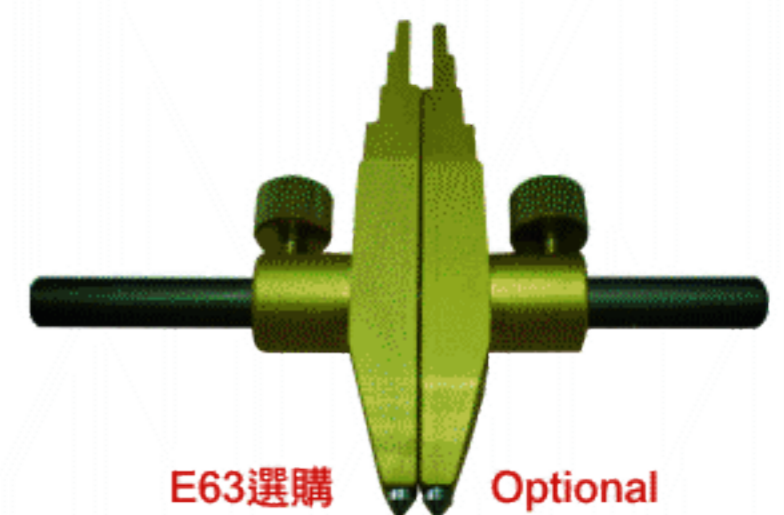
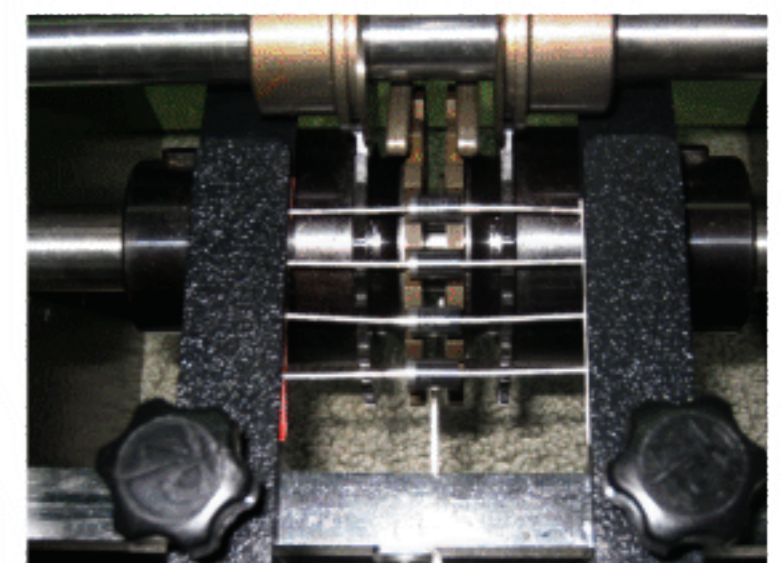
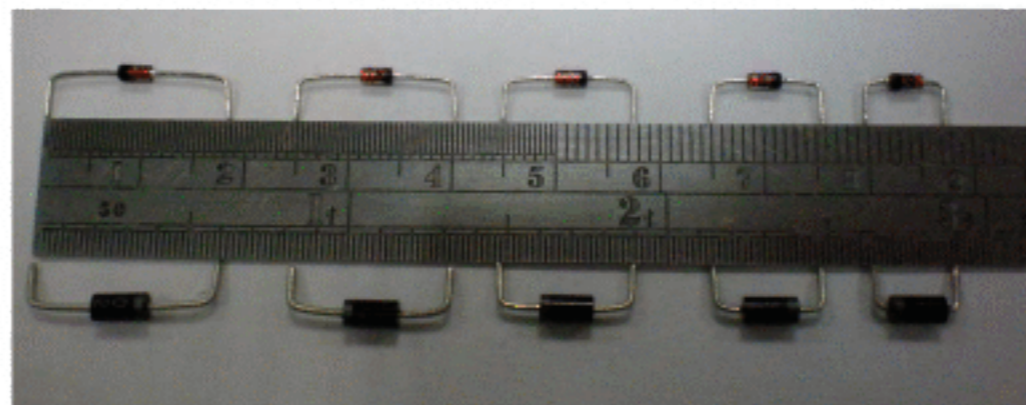
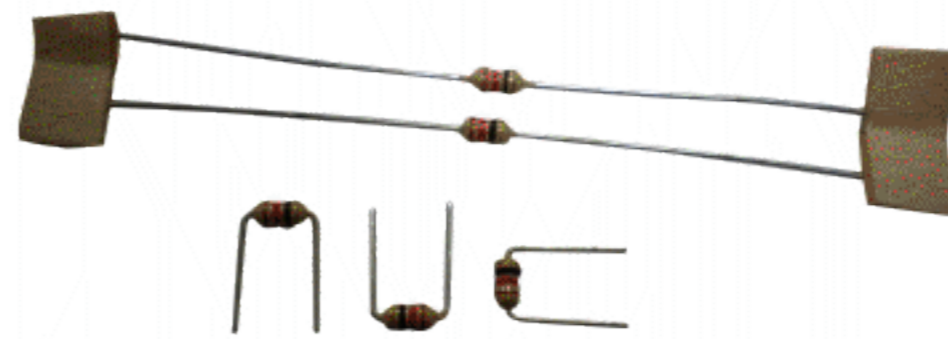
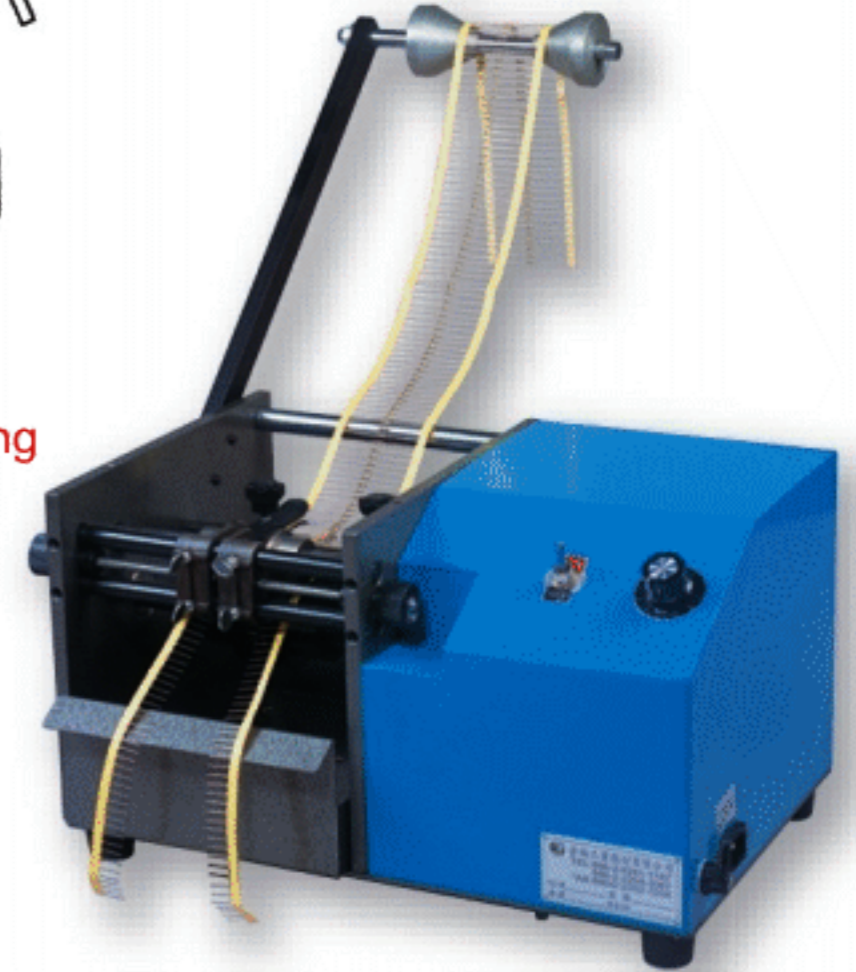
Taped Axial Lead Forming Machine

電壓 Power: 110V50Hz ; 220V/60Hz
 尺寸 Dimension: 520(L) x 380(W) x 300(H) mm
 淨重 Net Weight: 24 kgs
 加工量 Capacity: 25,000pcs/ Hour

- 保養容易，操作方便，不受空間限制、不需進行人員培訓。
- 對電阻及二極體之切斷及折彎曲加工能力強。
- 每小時量可達40,000-60,000個零件。
- 手搖式經濟性高不受外來因素影響(如停電)。
- 體積輕巧，可安裝、夾於桌面上。
- 堅固耐用，投資報酬值高。
- 若有特殊規格，歡迎來圖訂製。
- U型成形系列可以選購E63量具輔助快速量測PCB孔距使用。
- Easy maintenance, simple operation, and suitable for use on limited space. No training required.
- Excellent cutting or bending performance for resistors and diodes.
- The production capacity is up to 60,000 pcs/hr.
- Low capital investment. Never be affected by blackouts!
- Light and compact enough to be installed on a bench top
- Durable and high turn-over rate!
- Customization according to your specification is available.
- E63-pitch gauge can be purchased optionally for U/S/W shape bending series to get pitch quickly.



RFT-201U Standard
 RFT-201S Slim
 RFT-201W Heavy Duty
 RFT-201F Vertical Lead forming



E63選購 Optional

Models 型號 parameters 代碼	圖示 Illustration 彎腳模式 Bending Types				
	專用型 Slim	標準型 Standard	加強型 Heavy duty	直立型 Vertical	切直線 Cut only
手動型號 Manual	HRFT-301S	HRFT-301U	—	HRFT-301F	HRFT-301L
電動型號 Motorized	RFT-201S	RFT-201U	RFT-201W	RFT-201F	RFT-201L
A-腳距 Pitch (Body Length for F)	5-40 mm	6-40 mm	6-40 mm	4-18 mm	3.5-37.6 mm
B-腳長 Lead Length		3.6-10 mm		可調Adjustable	—
C-肩距 Shoulder	> 0.6 mm	> 1.2 mm	> 1.2 mm	> 4 mm	> 3 mm
D-本體直徑 Body Diameter	1.5-8 mm				
H-另腳長 Support Length		—		< 25 mm	—
W-線徑 Lead Wire Diameter	φ 0.35- φ 0.6 φ 0.35- φ 0.8	φ 0.35- φ 0.8	— φ 0.35- φ 1.3	φ 0.35- φ 0.8	φ 0.35- φ 0.6 φ 0.35- φ 0.8
P-腳距 Pitch		—		2.5-13.5	—
R-彎腳角度 Bending Angle		—		1	—
電動加工量 Motorized Capacity	40,000pcs/H	84,000pcs/H	40,000pcs/H	40,000pcs/H	40,000pcs/H

RT-79 手搖帶式電容裁斷機

Taped Radial Lead Cutter by hand crank

尺寸 Dimension: 380(L) x 180(W) x 210(H) mm
 淨重 Net Weight: 6 kgs
 加工量 Capacity: 25,000pcs/Hour

RT-79
RT-79S



RT-70 自動帶式電容裁斷機

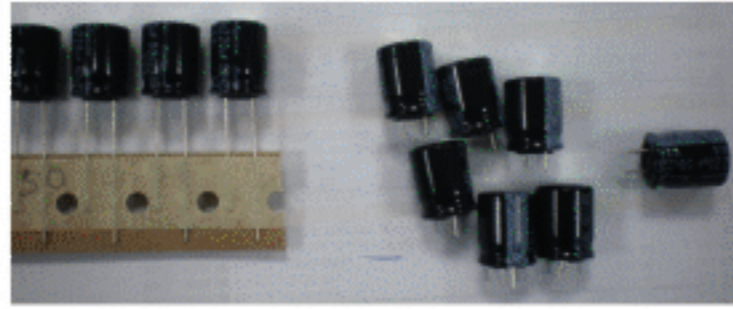
Motorized Taped Radial Lead Trimmer

電壓 Power: 110V/60Hz ; 220V/50Hz
 尺寸 Dimension: 520(L) x 380(W) x 300(H) mm
 淨重 Net Weight: 16 kgs
 加工量 Capacity: 25,000pcs/Hour

RT-70
RT-70S

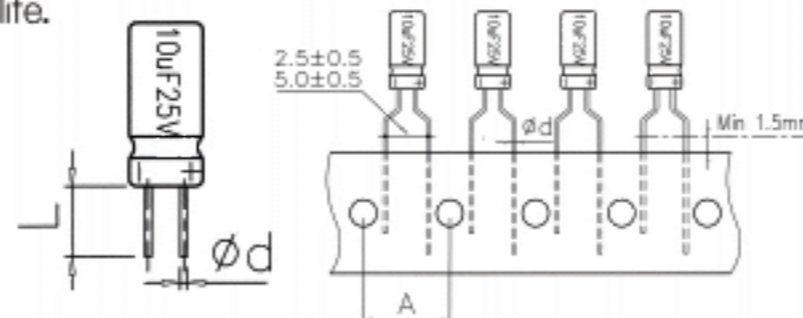


- RT-79 及 RT-70 為一種操作簡便、維修容易的帶式電容剪腳機。
- 不需要特殊的工具輔助即可使用，是生產線上的好幫手。
- 美觀、輕巧的設計，可直接放在加工桌面上使用。
- 堅固結構的設計，配合耐磨損的滾輪式切刀。
- 提供穩固的使用保證，在加工的過程中不會傷害到零件。
- 配合不同的紙帶孔徑距離的規格，適用不同型號。



RT-79 / RT-70 series of high-speed hand-crank and motorized radial lead cutters offer easy, no tooling required set-up. These machines neither score nor damage component leads, even if they don't lay mechanical stress or axial tension on the component. The machine cuts components from single bandoleers with a fully adjustable lead length from 2 mm to 10mm, and the blade will accommodate lead diameter from 0.3 mm to 1.2 mm.

- Independent rotary disc cutters obtain longer cutting life.
- Won't score or damage leads or components.
- Heavy duty construction. Easy maintenance.
- Simple operation.
- Different hole pitches (A) on paper tape apply for different models.



RT79+ MT1 = RT-70

RT-79 can be upgraded to RT-70 optionally!

RT-79 可依擴增產量事後加購安裝MT-1 升級電動RT-70

(mm)	標準型 Standard		特殊型 Special (S)			
型式 Type	Manual	Motorized	Manual	Motorized		
型號 Model	RT-79	RT-70	RT-79S	RT-70S		
尺寸 Size	L	d	孔徑距離 A	L	d	孔徑距離 A
最小 Min	2	0.3	12.7	2	0.3	15
最大 Max	10	1.2		10	1.2	

MT-1 馬達配件組

Motorized Drive Unit

電壓 Power: 110V/60Hz ; 220V/50Hz
 尺寸 Dimension: 470(L) x 180(W) x 235(H) mm
 淨重 Net Weight: 7kgs

MT-1

- 手搖式電阻成型機(RT-80)、電容剪腳機(RT-79)皆可加裝此配備而升級為自動成型機(RT-82/86/90)及自動剪腳機(RT-70)。
- 馬達速度可調 模組化規格, 方便安裝
- Upgrade the manual models (RT-80 / RT-79) into the motorized models (RT-82 / RT-70).
- Motor VR speed is adjustable. Module is easy to install.



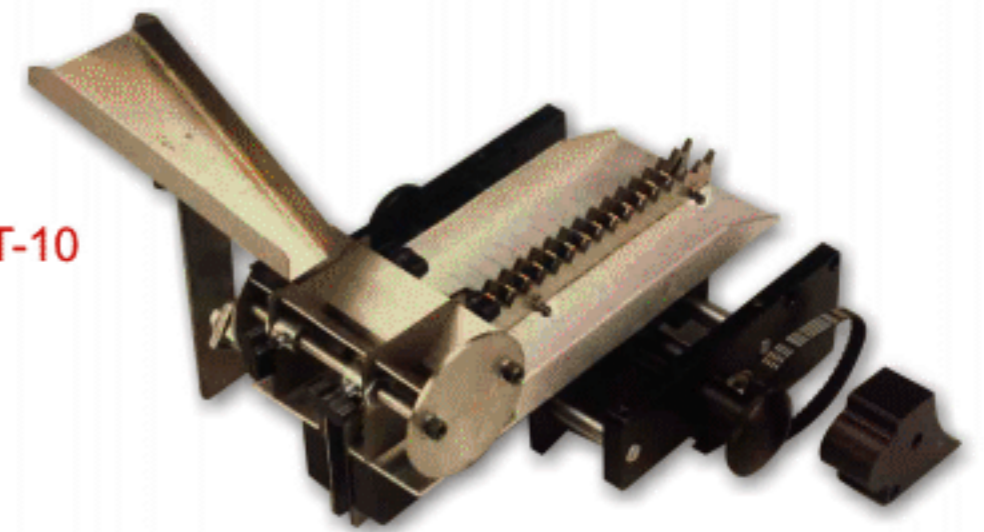
RT-10 散裝入料機構

Loose Component Feeder

尺寸 Dimension: 400(L) x 370(W) x 300(H)mm
 淨重 Net Weight: 7.5kgs

RT-10

- 帶式電阻成型機(RT-82系列)皆可加裝此配備而送散料元件，升級成散裝及帶式電阻成型機(RT-86系列)。
- The loose component feeder / zig-zag hopper can be attached easily to the models RT-82 series to feed loose parts as RT-86 series.



VP-87 震動送料盤

Bowl Feeder

電壓 Power: 110V/60Hz ; 220V/50Hz
 尺寸 Dimension: 410(D) x 400(H) mm
 淨重 Net Weight: 31kgs

VP-87

- 自動電阻成型機(RT-86系列)皆可加裝此配備而提升產能，升級為全自動散裝電阻成型機(RT-90系列)。
- 馬達速度可調，安裝方便。
- Upgrade the models RT-86 series into the fully motorized models RT-90 series.
- Motor VR speed is adjustable. The Bowl Feeder is easy to install.



RT-8X 延伸系列電阻切彎腳成型機 — 可依產能需求擴充設備功能

RT-8X Series : Taped Axial Lead Bending Machines (U Shape) - Upgrade upon productivity

高級模具從手搖到自動化，針對散裝及帶式零件，可依需要而有不同的選擇性配備供客戶加購選擇。機身結構強固，配合壽命長的滾輪式切刀，提高操作簡易的加工設備。維修簡便，操作時不需特別的額外工具，以達到方便性。

- 獨立的滾輪切刀壽命長
- 機體輕巧，操作方便，可依需求擴充功能
- 加工成型不傷害零件本體

依需求功能 本機型包括：

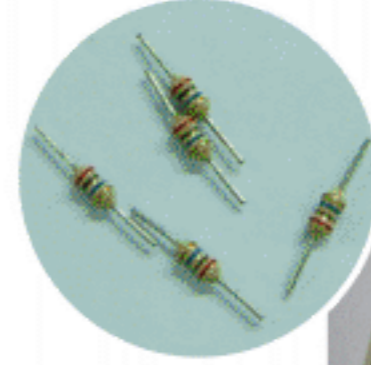
- 標準型
- 專用型 (S) - 小元件、窄腳距用
- 加強型 (W) - 粗線徑0.8-1.2mm
- 直立型 (F) - 垂直立於板
- 切直線 (L) - 僅切斷腳長

Changeover and setup are simple and fast due to no-tooling-required adjustment. RT-8X series of axial lead formers do not score or damage component leads, nor do place mechanical stress or axial tension on the components.

- Heavy duty construction, fully adjustable for lead spacing, lead length, part diameter, and shoulder length.
- Independent rotary disc cutters obtain longer cutting life.

Different Models

- Standard
- (S) Slim lead- for smaller parts.
- (W) Heavy duty- for thicker wire diameter.
- (F) Vertical bending- for stand-up mount
- (L) Linear- Trim off leads at both sides.



RT-80 手搖帶式電阻成型機

Hand-crank Taped Axial Lead Bender

尺寸 Dimension:
380(L) x 180(W) x 210(H) mm
淨重 Net Weight: 8kgs
加工量 Capacity:
Taped 50,000 pcs/Hour

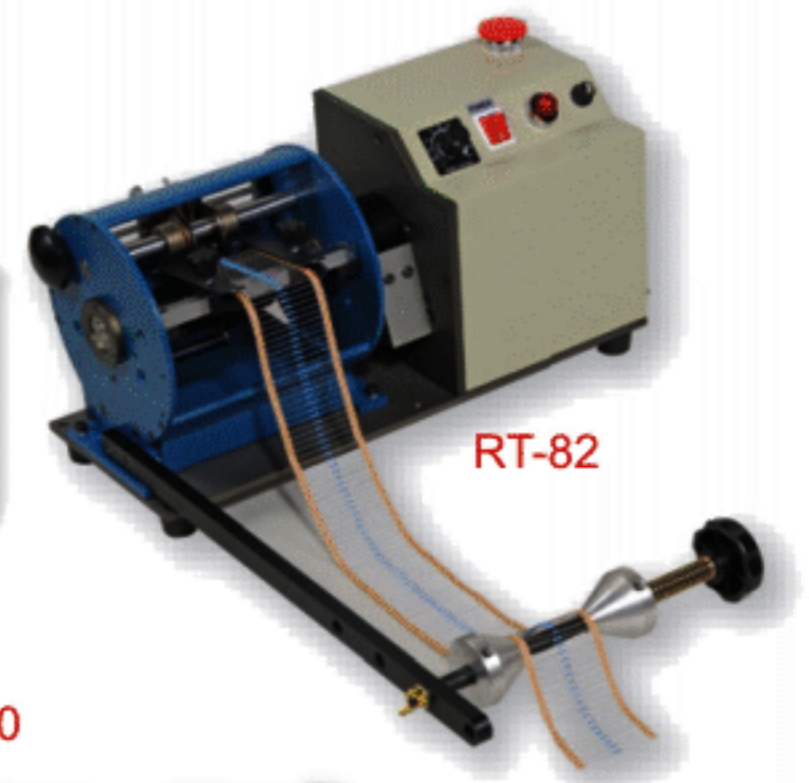


RT-80

RT-82 帶式電阻成型機

Motorized Taped Axial Lead Bender

電壓 Power: 110V/60Hz ; 220V/50Hz
尺寸 Dimension: 470(L) x 180(W) x 235(H) mm
淨重 Net Weight: 15kgs
加工量 Capacity: Taped 60,000 pcs/Hour

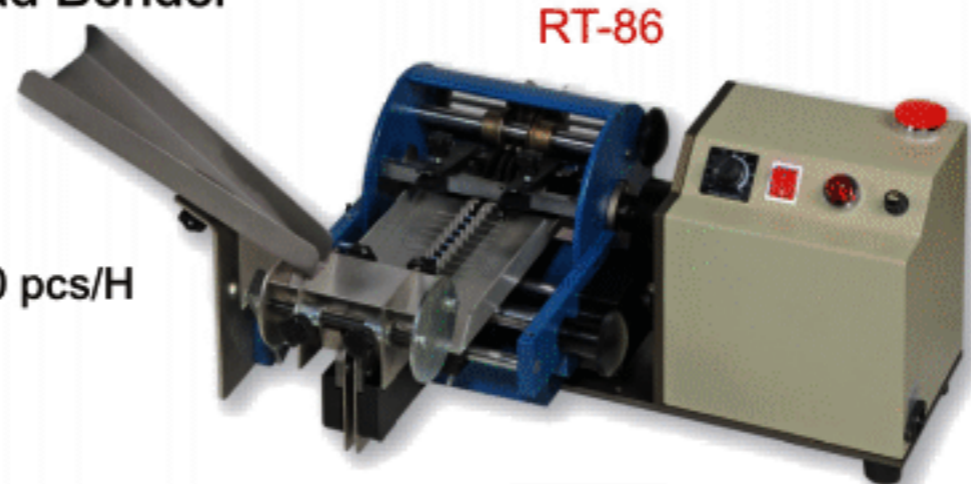


RT-82

RT-86 散裝及帶式電阻成型機

Motorized Taped and Loose Axial Lead Bender

電壓 Power: 110V/60Hz ; 220V/50Hz
尺寸 Dimension: 470(L) x 500(W) x 235(H) mm
淨重 Net Weight: 28kgs
加工量 帶裝43,000顆/小時；散裝7,200顆/小時
Capacity: Taped 43,000 pcs/Hour; Loose 7,200 pcs/H



RT-86

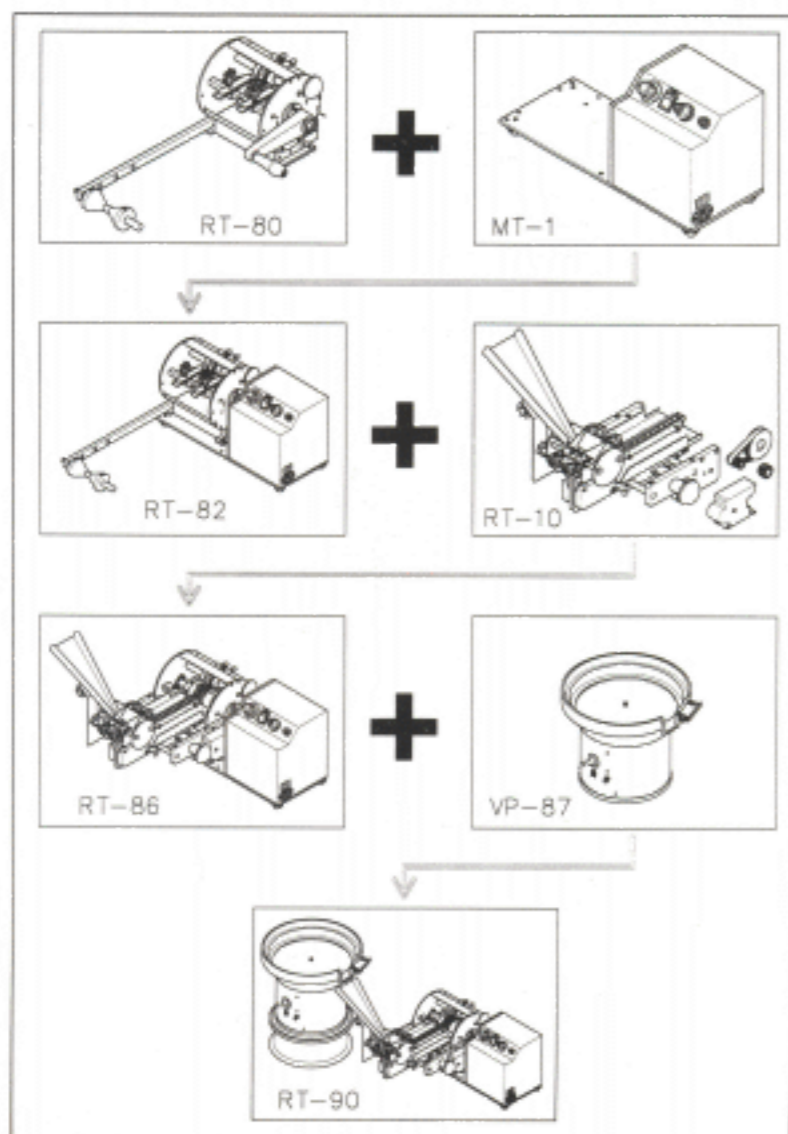
RT-90 電阻成型機

Motorized Taped and Loose Axial Lead Bender with Bowl Feeder

電壓 Power: 110V/60Hz ; 220V/50Hz
尺寸 Dimension: 600(L) x 590(W) x 440(H) mm
淨重 Net Weight: 60kgs
加工量 帶裝43,000顆/小時；散裝9,000顆/小時
Capacity: Taped 43,000 pcs/Hour; Loose 9,000 pcs/Hour



RT-90



圖示 Illustration 彎腳模式 Bending Types					
	標準型 Standard	專用型 Slim	加強型 Heavy duty	直立型 Vertical	切直線 Cut only
型號 Models 代碼 Parameters	標準型 Standard	專用型 Slim	加強型 Heavy duty	直立型 Vertical	切直線 Cut only
手動 Manual	RT-80	RT-80S	—	RT-80F	RT-80L
電動 Motorized	RT-82	RT-82S	RT-82W	RT-82F	RT-82L
入料器+ Hopper	RT-86	RT-86S	RT-86W	RT-86F	RT-86L
震動盤+ Bowl	RT-90	RT-90S	RT-90W	RT-90F	RT-90L
A-本體長 Body Length	3.5-37.6	B=2mm 訂購時請指明。 Please advise upon the order		3.6-18	3.5-37.6
B-腳長 Lead Length	3.5-15			2-12	—
C-肩寬 Shoulder	>1.2	>0.6	>1.2	>3.5	>5
W-線徑 Wire diameter	φ 0.35- φ 0.8	φ 0.35- φ 0.8	φ 0.35- φ 1.2	φ 0.35- φ 0.8	φ 0.35- φ 0.8
D-本體直徑 Body Diameter	1.5-8			1.5-6	1.5-8
P-腳距 Pitch	6-40	5-40	6-40	2.5-13.5	F型(直立式): 高肩寬窄腳距 低肩寬寬腳距
H-支腳長 Support lead	(mm)			<25	
R-R角 R Angle	(mm)			1-3	

RF-101M 電阻成型機:臥式打KINK架高

RF-101M Axial Lead Forming Machine: Horizontal mount with kinks

RF-101C 電阻成型機:臥式打扁架高

RF-101C Axial Lead Forming Machine: mount with smashing spots

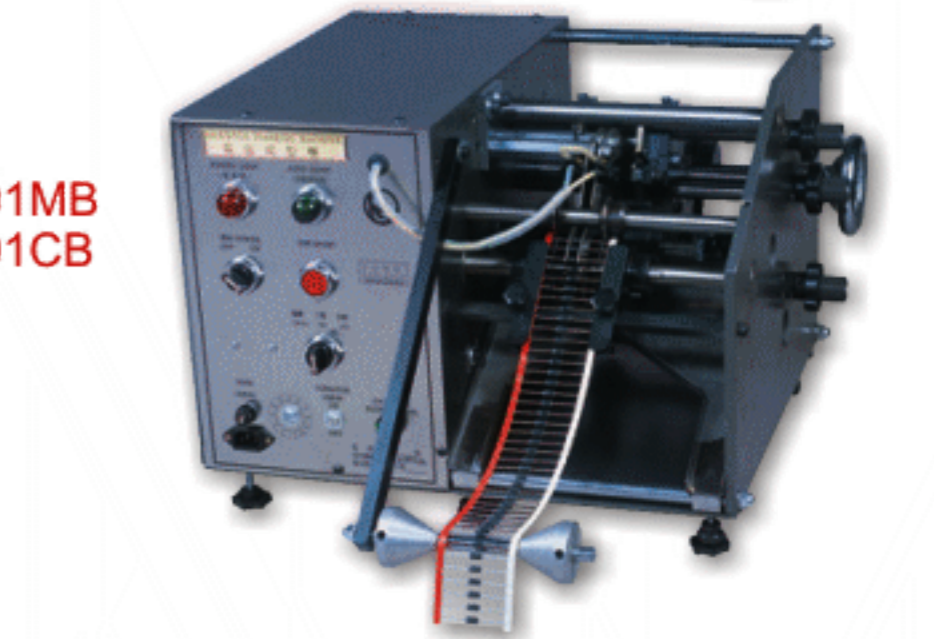
- 適合電阻、二級體、電感等軸向電元件使用。
- 為一多功能 適用於大量生產之生產線需求之成型加工機。
- 成型的規格 可依客戶的需求而訂作模具 適用範圍大。
- 不同的規格只需要更換模具即可，提供使用上的彈性，以配合不同成型規格的需求。
- Form axial parts (resistor, diodes, inductance) leads.
- Multitasker for the mass insertion DIP pre-forming production.
- Custom forming spec. upon request in a wide range.
- Change dies for diverse spec.



RF-101M
RF-101C



RF-101MA
RF-101CA

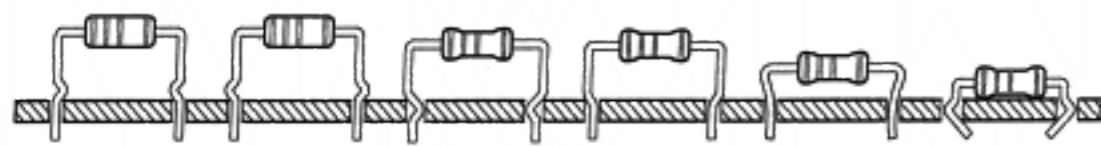


RF-101MB
RF-101CB

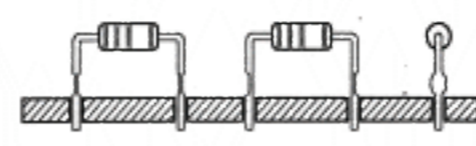
型號 Models	入料方式	M=MA+MB / C=CA+CB
RF-101M RF-101C	適用於帶式及散裝零件	For both loose and taped components
RF-101MA RF-101CA	適用於散裝零件	For loose packed components
RF-101MB RF-101CB	適用於帶式零件	For reel/tape packed components

每一種形狀適用一組模具；不同規格換用不同模具

One spec. applies to one die set; different spec. changes for different die sets.

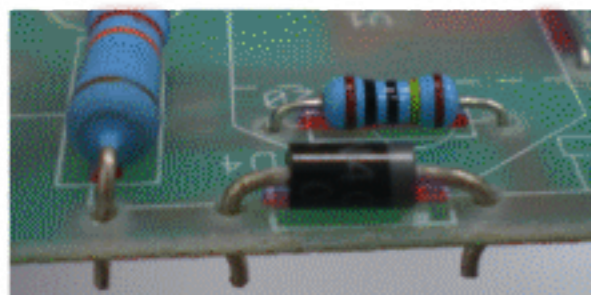


RF-101M電阻成型圖

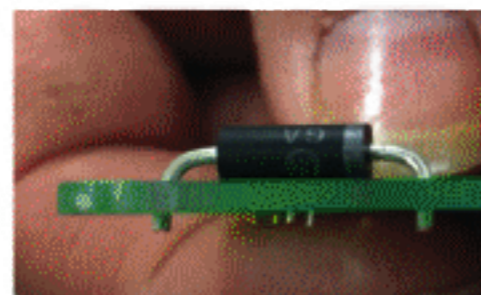


打扁架高 Smashing RF-101C

型號 Model	RF-101C	RF-101CA	RF-101CB
	RF-101M 散帶臥式電阻成型機	RF-101MA 散帶電阻成型機	RF-101MB 帶裝電阻成型機
Axial Lead Horizontal Mount Forming Machine			
形式 Type	散帶合併 For loose and taped parts	散裝專用 For loose parts only	帶式專用 For taped parts only
電壓 Power	110V/60Hz ; 220V/50Hz		
尺寸 Dimension (L)x(W)x(H)	1140 x 730 x 750 mm	1100 x 700 x 900 mm	600 x 730 x 670 mm
淨重 Net Weight	115 kgs	105 kgs	80 kgs
加工量 Capacity	110 pcs /Minute = 6,600 pcs/Hour 震動盤面一次可放散料600pcs 600pcs of loose parts can be poured into the bowl at a time.		



RF-101M圖示



RF-101M圖示



RF-101M圖示



RF-101M圖示



RF-101C圖示



RF-101C圖示

Model RF-101M	Model RF-101C	型號Model	RF-101M	RF-101C
 公差 Tolerance: +/-0.5mm (mm)	 公差 Tolerance: +/-0.5mm (mm)	A 本體長度 Body length	3.8-20	
		B 本體大小 Body diameter	2.3-8	
		C 肩距 Shoulder	>1.2	
		D 高度 Height (Critical)	固定數值 Fixed at 8mm or other	
		E 腳長 Lead length	可調 Adjustable	
		F Punching Height	—	固定2 (Fixed)
		S 支持點 Supporting point	2-3	W+0.4-1.5mm
		L 兩腳寬度 Pitch	A + 2C	
W 線徑 Wire diameter	Φ 0.4-Φ 1.3	Φ 0.6-Φ 1.3		

RF-200MB 軸向編帶臥式成型供料機

Taped Axial Formed Part Feeder

電壓 Power: 110V/60Hz ; 220V/50Hz

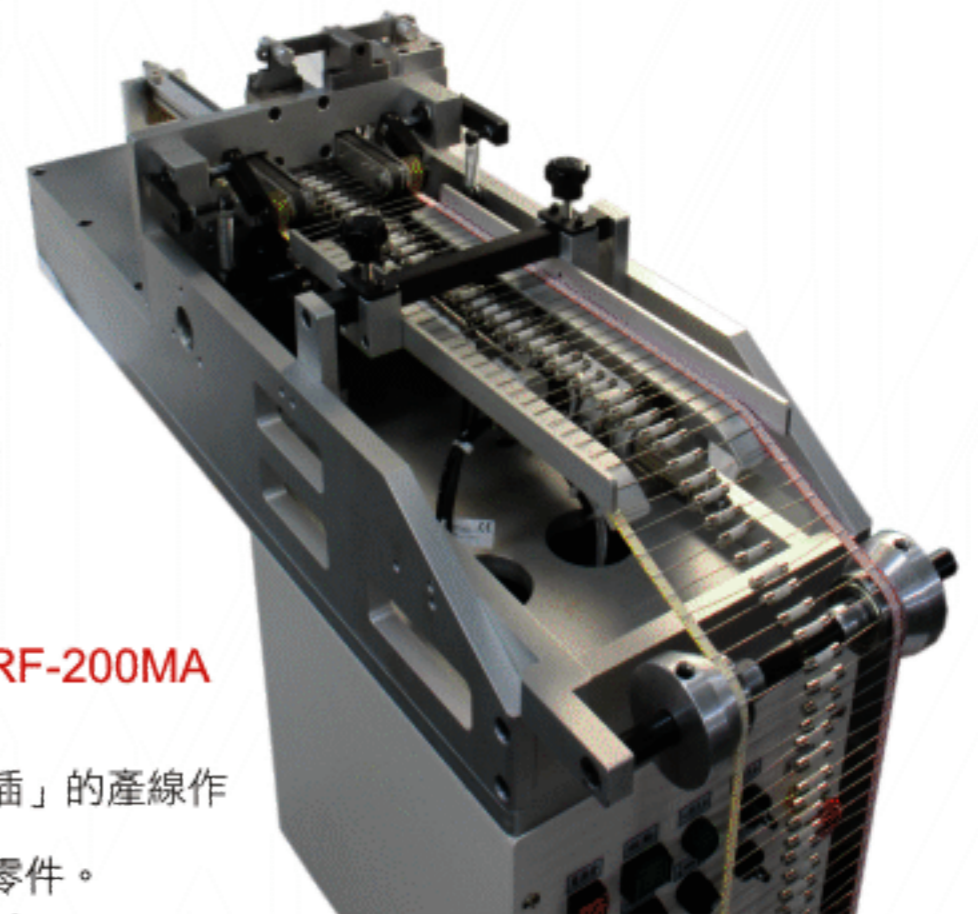
尺寸 Dimension: 950(L) x 250(W) x 500(H) mm

淨重 Net Weight: 35 kgs

加工量 Capacity: 一顆取一顆送 one after one

- 本機係因應異形自動插件機「即載即插」的產線作業所設計。
- 適用於編帶式軸向零件之盒裝、捲裝零件。
- MK型、U型等特殊成型規格均可訂製。
- Design for the Insertion Machine which can pick and insert taped parts right after formed and cut.
- Suitable for taped axial parts in ammo box or reel.
- MK formed shape, U bend shape or other customized forming shape and spec. are available for customization.

RF-200MA



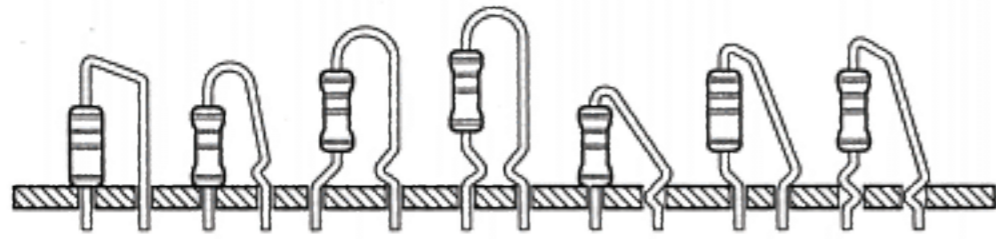
RF-101F 電阻立式成型機: 直立式成型架高

RF-101F Axial Lead Vertical Forming Machine: Stand-up mount with kinks

- 適合電阻、二級體、電感等軸向電元件使用。
- 為一多功能 適用於大量生產之生產線需求之成型加工機。
- 成型的規格 可依客戶的需求而訂作模具 適用範圍大。
- 不同的規格只需要更換模具即可，提供使用上的彈性，以配合不同成型規格的需。
- Form axial parts (resistor, diodes, inductance) leads.
- Multitasker for the mass insertion DIP production.
- Custom forming spec. upon request in a wide range.
- Change dies for diverse spec.

· **每一種形狀適用一組模具；不同規格購買換用不同模具。**

- 廢腳料過篩成品盒可選用，請訂購時指明。
- 標準機台送料速度固定，需要調速馬達，請於訂購時指明。
- 低肩高(C)且窄腳距(P) 適合用RF-101F來完成。
- 直立式雙K腳成型，帶裝料線腳不夠長時，建議加裝拆帶頭成YF-730使用：先拆編帶再切腳成型。
- **One spec. applies to one die set; different spec. changes for different die sets.**
- Finishing the bin with a waste screen is optional, please advise upon the order.
- VR motor / adjustable speed is available, please mark on the order.
- RF-101F is suitable to form low shoulder (C) and narrow pitch (P).
- When the wire lead length is not long enough in a taped package to form double kinks, suggest adding Paper Tape Ripping Apparatus to be YF-730 : rip the tape first, and then cut & form.



RF-101F



RF-101FA



RF-101FB

(mm)	型號 Model	RF-101F
A	本體長度 Body length	3.8-20
B	本體大小 Body diameter	2.3-8
C	肩距 Shoulder	最小>1.2
D	高度 Height (Critical)	固定至少>5mm Fixed at 5 mm or more
E	腳長 Lead length	可調 Adjustable
P	腳距 Pitch	2.5的倍數 Fixed at certain
W	線徑 Wire diameter	Φ0.4-Φ1.5mm

公差 Tolerance: +/-0.5mm

型號 Model	RF-101F	RF-101FA	RF-101FB
	散帶臥式電阻成型機	散帶電阻成型機	帶裝電阻成型機
Axial Lead Horizontal Mount Forming Machine			
形式 Type	散帶合併 For loose and taped parts	散裝專用 For loose parts only	帶式專用 For taped parts only
電壓 Power	110V/60Hz ; 220V/50Hz		
尺寸 Dimension (L)x(W)x(H)	1130 x 760 x 850 mm	1100 x 680 x 700 mm	800 x 700 x 600 mm
淨重 Net Weight	115 kgs	75 kgs	65 kgs
加工量 Capacity	110 pcs /Minute = 6,600 pcs/Hour 震動盤面一次可放散料600pcs 600pcs of loose parts can be poured into the bowl at a time.		

YF-730 帶裝零件拆帶成型機

Axial Lead Forming Machine with Tape Ripping Apparatus

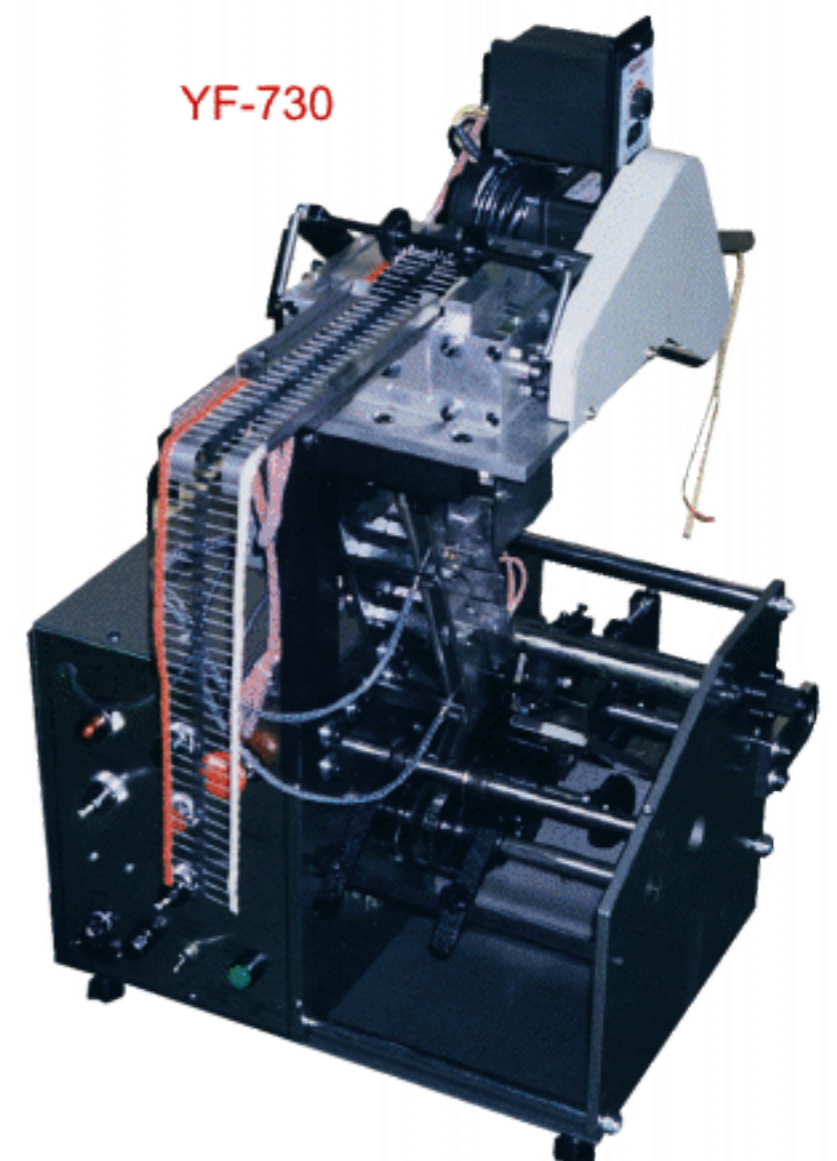
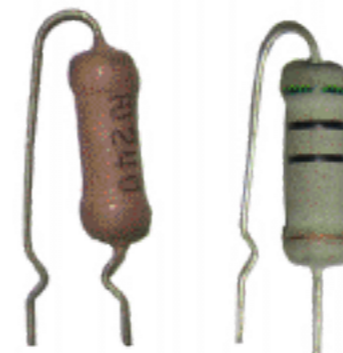
電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 650(L) × 550(W) × 850(H) mm

淨重 Net Weight: 80kgs

加工量 Capacity: 6,600 pcs/Hour

- 可將已經貼好之編帶電阻、二極體的紙帶拆除。適用紙帶寬52mm。
- 利用逐漸外張力旋轉機構，拆除脫離兩旁紙帶拆除後之軸向零件，能完整保持原樣平直。
- 拆帶速度可以調整。建議平穩順暢為主。
- 本機YF-730可單獨使用，或連接散料漏斗進入下一個自動化製程RF-101F直立式成型機(切腳、成型等)。
- 案例：3A、5A帶式二極體成型立式，線腳長度不足時就必須，拆除兩旁紙帶後露出原始腳長再成型。
- YF-730 removes the paper tapes on taped leads, which are adhered on the both sides of the resistor, diode component leads. The paper tape allowed pitch is 52mm.
- Tension of the rotating mechanism removes the paper tapes off leads. This method keeps axial leads still straight as before.
- Ripping speed is adjustable, VR control. Suggest to run and rape smoothly at first, not fast.
- YF-730 can operate individually or connect with loose material feeders into the next automatic procedure, such as RF-101F lead cutting, forming, vertical tapping etc.
- For example, form taped 3A, 5A diodes into vertical mount shape. Because the taped lead length is not long enough to be cut and bent, the paper tapes on the both sides of the leads must be removed first for more space to form and cut afterward.



YF-730

RT-500 自動功率晶體成型機

Power Transistor Lead Forming Machine

電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 460(L) x 360(W) x 340(H) mm

淨重 Weight: 29kgs

加工量 Capacity: 每小時最大 Max. 6,000 pcs/Hour

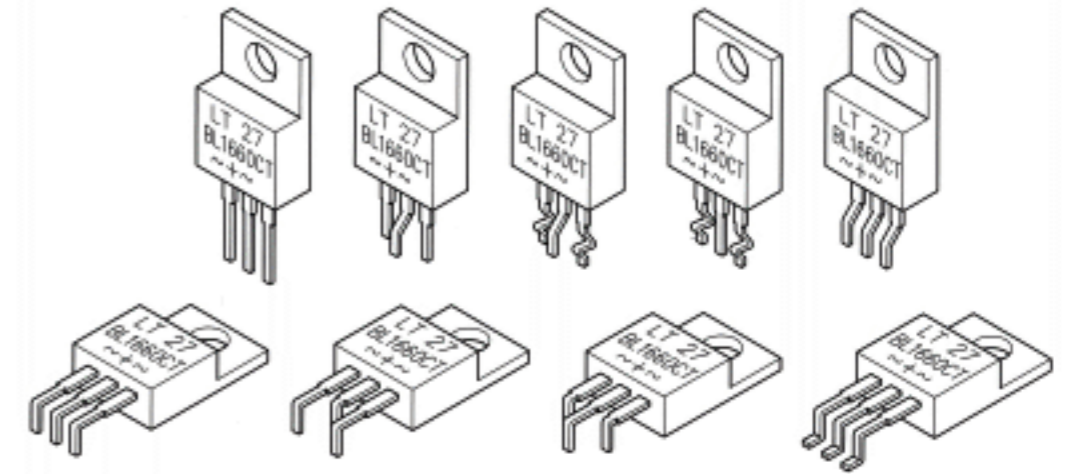
- 適用於塑膠管裝之功率晶體(TO-220/TO-263/TO-247/TOP-3等)。外形類似之方體電子零件也能適用。
- 加購換用模具與軌道做不同形狀之成型變化。
- 請提供樣品零件、成型規格(本體外徑、線腳粗細)
- 抽換式模具，更換迅速容易。
- 標準機已內附一組模具和軌道。試車確認完畢即可使用。操作及保養容易。
- 成型速度可無段式調速。
- 依產能與來料需求可加裝震動送料盤 (RT-500VP)，成型散裝料件或可加裝全自動送管機 RT-700。
- 規格圖中(A)段最低2mm高度可調，其餘參數固定。
- RT-500 可加裝全自動管裝送料器 RT-700。舉凡來料是塑膠管裝(通常是功率晶體)皆可使用RT-700入料。
- Suitable for power transistors (TO-220/TO-263/TO-247/TOP3 etc.) or similar components in stick or tube.
- Buy extra die sets and rails for different parts' forming spec.
- Please provide the exact samples and forming spec. (outline package, wire thickness)
- Tailor-make Tooling set is changeable for various kinds of forming.
- A set of die and rail is equipped upon your spec. Complete the confirmation on the forming samples, the machine can be used right after receiving it. Easy maintenance and simple die change.
- Forming speed is adjustable stepless continuously.
- Vibrant Bowl Feeder (RT-500VP) or Auto Tube Feeder (RT-700) is extendable optionally.
- Example: (A) is adjustable and minimum at 2mm, the rest are fixed.
- RT-700, Automatic Tube Feeder, can be purchased and applied optionally afterward. RT-700 feeds part in tubes or sticks automatically into RT-500.



RT-500VP



RT-500



RT-600 自動功率晶體成型機

Power Transistor Lead Forming Machine

with CE mark and safety cover protection

電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 460(L) x 360(W) x 340(H) mm

淨重 Weight: 29kgs

加工量 Capacity: 每小時最大Max. 6,000 pcs/Hour

- 適用於塑膠管裝之功率晶體(TO-220/TO-263/TO-247/TOP 3等)。外形類似之電子零件也能適用。
- 加購換用模具與軌道做不同形狀之成型變化。
- 抽換式模具，更換迅速容易。
- 標準機已內附一組模具和軌道。試車確認完畢即可使用。操作及保養容易。
- 成型速度可無段式調速。
- 依產能與來料需求可加裝震動送料盤，成型管裝料件或可加裝全自動送管機RT-700。
- 壓克力保護蓋打開機台即停止運轉。運轉中不擔心手指誤入。
- 規格圖中(A)段最低2mm高度可調，其餘參數固定。
- 請提供樣品零件、成型規格(本體外徑、線腳粗細)。
- Suitable for power transistors (TO-220/TO-263/TO-247/TOP 3 etc.) or similar components in stick or tube.
- Buy and change extra die sets and rails for different parts' forming spec.
- A set of die is equipped upon your spec. Tooling set is changeable for various kinds of forming.
- A set of die and rail is equipped upon your spec. Complete the confirmation on the forming samples, the machine can be used right after receiving it. Easy maintenance and simple die change.
- Forming speed is adjustable continuously.
- Vibrant Bowl Feeder or Automatic Tube Feeder (RT-700) is extendable optionally.
- When the acrylic cover is open, the machine will be stopped immediately. The cover segregates the forming apparatus from labor fingers.
- Example: (A) is adjustable and minimum at 2mm, the rest are fixed.
- Please provide the exact samples and forming spec. (outline package, wire thickness)



RT500+RT700



RT-600

RT-700 自動管裝供料機

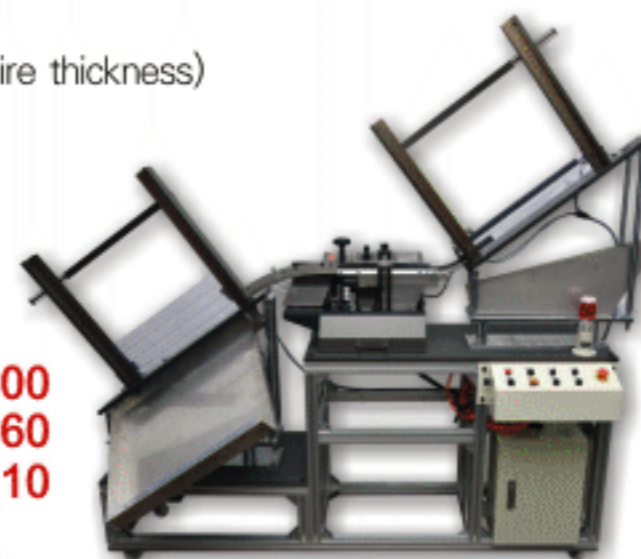
Automatic Tube Component Feeder

電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 980(L) x 550(W) x 1700(H) mm

淨重 Net Weight: 29kgs

- 取代人工插管入料，節省人員持續補料時間。
- 可同時填裝20管管裝電子零件。
- 可結合RT-500/RT-600/CF-360/CF-360LX/YF-900成型機、剪腳機到完全自動化生產降低人工成本。
- 由光纖自動感應，達到穩定送管與穩定入料的順暢作業。
- Substitute labor hand-feeding and save the turnover time.
- Load 20 tubes of parts at the same time.
- Link with RT-500/ RT-600/ CF-360/ CF-360LX/YF-900 to achieve the automatic production line and save the labor cost.
- Optical sensor feeds the tubes and parts automatically and smoothly.



RT700
+CF360
+RT710



RT-700

ICF-100 I.C. 整型機

I.C. Lead Aligning Machine - Roller Press

提供快速整腳的選擇 - 三秒即可整型完成

3 Seconds for one stick .

The most efficient way to stretch and align the IC leads.

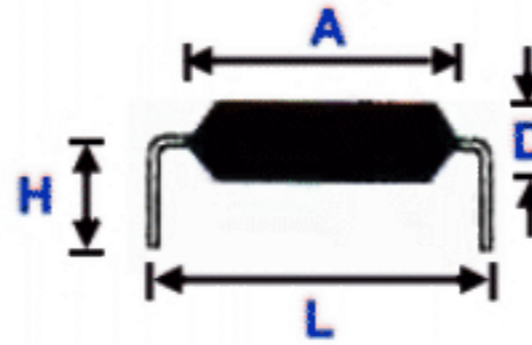
電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 330(L) x 250(W) x 330(H) mm

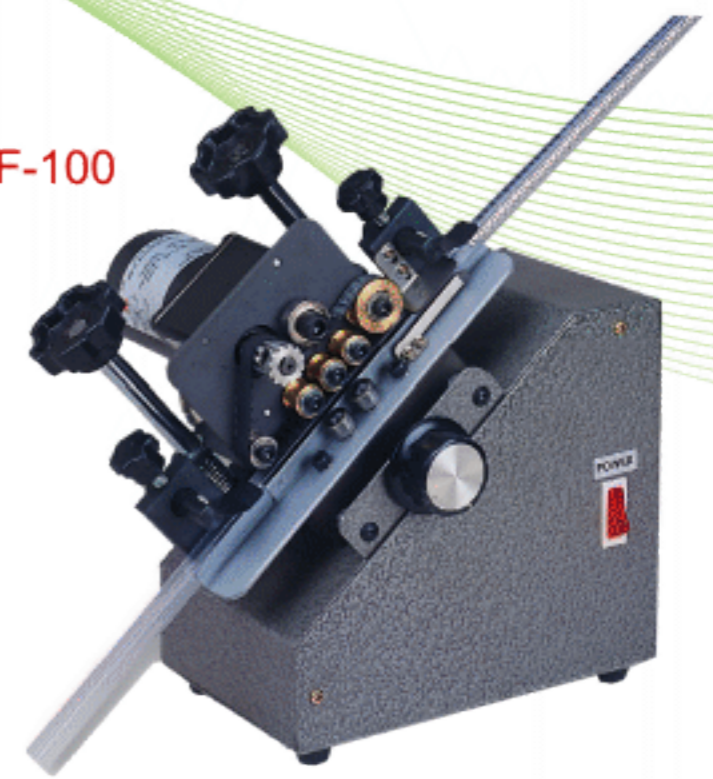
淨重 Net Weight: 5 kgs

- 採滾輪式，快速整腳。
- 免軌道，旋轉調整。軌道寬度範圍 0.3" - 0.75"。
- 適用於大量生產。
- 當IC單邊PIN腳只有2PIN時，建議使用ICF-106。
- Straight and align leads fast by rolling press operation.
- Simply adjusting the knob for different working width without changing any trails.
- The best selection for the mass production.
- While the IC leads are only 4 leads, recommend using ICF-106.

A	寬度 Body Width	6-18mm
H	長度Lead Length	4-9.5mm
D	厚度Thickness	3-12mm
L	成型寬度Working Width	0.3"-0.75" 可調
加工量 Capacity		3 sec./tube 3秒一管料



ICF-100



ICF-106 I.C. 整型機

I.C. Lead Forming & Cutting Machine - punching method

三機型：整型、剪腳(ICF-106C)、架高(ICF-106K)

Three purposes: Align, Cut (ICF-106C) & Form (ICF-106K)

電壓 Power: 110V/60Hz ; 220V/50Hz

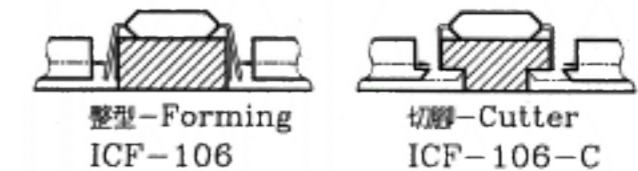
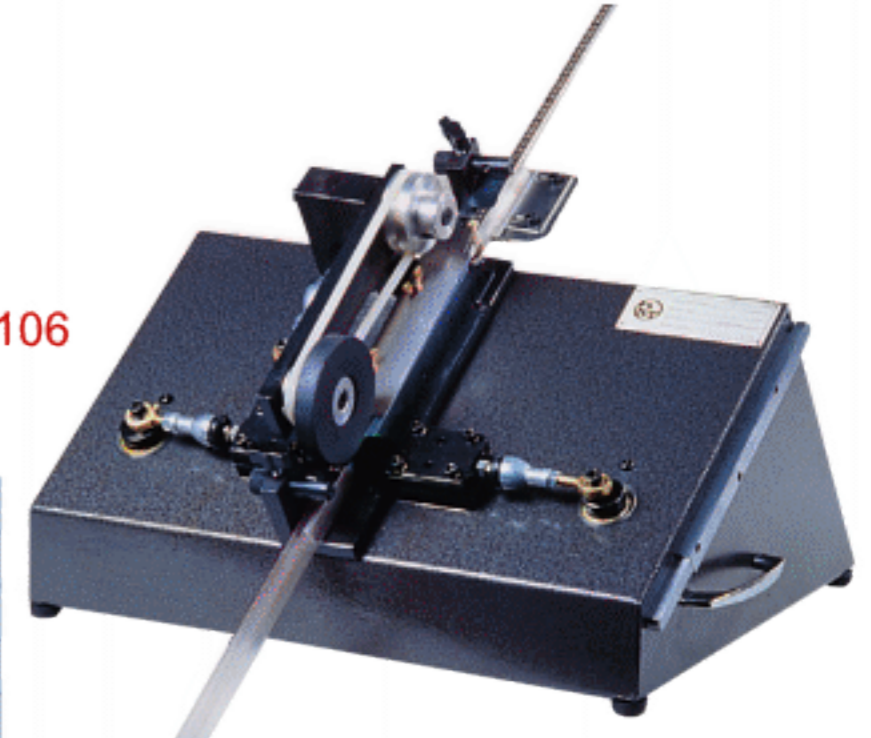
尺寸 Dimension: 500(L) x 400(W) x 360(H) mm

淨重 Net Weight: 17 kgs

- 加工範圍大，可用於多種IC。單邊僅2 PIN腳的小IC適用。
- 小馬達，耗電少。
- 特殊進料及停動裝置，故障率低。
- 衝撞式，加工尺寸穩定。
- 標準型ICF-106，附有0.3"及0.6"二種軌道，可另外選購0.4"及0.75"軌道。
- ICF-106C及ICF-106K為訂製型，需另外購買專用機，請提供所需尺寸。
- 特殊尺寸IC，歡迎來圖洽詢。
- Wide application on the various types of IC., special for 2-PIN in single side (small IC).
- High quality famous-brand motors have low energy consumption.
- Unique feeding jig and gearing system assures the working reliability.
- Stable dimension is controlled by the Punching operation.
- "Standard Model" 0.3" and 0.6" feeding trails are enclosed. 0.4" and 0.75" are optional.
- ICF-106C and ICF-106K are "Customized Models". Please specify the spec. upon the order.
- Welcome to provide your IC spec. for further consultation and quotation.

A	寬度 Body Width	6-20mm
H	長度Lead Length	4-12.7mm
D	厚度Thickness	3-12.7mm
L	成型寬度Working Width	0.3", 0.4", 0.6", 0.75"
加工量 Capacity		7 sec./tube 7秒一管料

ICF-106



整型-Forming
ICF-106

切腳-Cutter
ICF-106-C

M-831 零件計數器

Component Counter - for DIP and SMD

DIP直立臥式、SMD 零件皆適用。倉管盤點最佳伙伴！

Great for DIP and SMD parts, inventory check's best partner.

電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 350(L) x 300(W) x 280(H) mm

淨重 Net Weight: 6kgs

最小零件腳徑 Min. leads diameter: 0.35mm

- SMD料帶和 DIP帶式料，均可計數，配用不同匹配器。
- 雙向皆可計數 (向左或向右)。
- 腳數分割可由 1-10 (選購品可要求至19)。
- 可用累計模式計數。
- 用預設數量模式計數。
- 具有自動校正及自我診斷功能。
- 具有前次計數狀態及數量記憶。
- 可用外部偵測頭輸入。
- 可輸出控制外部馬達之信號。
- Different adaptors are equipped for DIP or SMD parts.
- Count in both directions (Leftward or rightward).
- Divider from 1 to 10 (up to 19 upon request)
- Accumulating mode is available.
- Count to and stop at the pre-set amount is one of the modes. (with an audible signal when the desired component number is reached).
- Automatic Calibration and self-diagnostic procedure
- Remember the last condition and amount.
- Input of the external detector is extendable.
- Output for external motor control .



M-831

RTM-12n 零件計數器

SMD Component Counter - for SMD only

消耗功率 Power Consumption: 30W

計數數量 Count Capacity: -99999 ~ 99999

電源 Power: AC110V(60HZ) / AC220V(50/60HZ)

外型尺寸 Dimension L×W×H(mm): 289×419×177 mm

重量 Net Weight: 6 kgs

- 全自動方式計算零件數量，方便點料、發料、盤點作業。
- 料盤運轉中防脫料帶裝置，只要鎖緊與鬆脫即可輕鬆完成。
- 本機採用繪圖型LCD顯示幕，可輕鬆參數設定以及讀取數據。
- 體積小，重量輕，攜帶方便，價格便宜。
- 所需零件數量設定功能，操作更輕鬆精準。
- Fully-automatically count the quantity of SMD parts. It's convenient to count & feed parts and inventory management.
- Reel derailment protection device prevents falling off tapes. RT-M12n is easy to adjust by tightening or loosening the device.
- The built-in type LCD screen is easy to set parameters and read data.
- Small size, light weight, easy to carry and economy price.
- It's easy to set and operate the required quantity of parts.



RTM-12n

JF-600 跳線成型機

Jumper Wire Forming Machine - Classic and long-lasting

電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 440(L) x 440(W) x 570(H) mm

淨重 Net Weight: 41 kgs

加工量 Capacity: 7,500pcs /Hour

- 調整、維修、保養容易、採用特殊送料方式，運轉順暢，不會在線材上留下痕跡。
- 體積小、輕便、耗電少、價格低廉。
- 採用碳化鎢模具壽命長。
- 整卷線材全自動送料、切斷無須人操作。
- 腳長(H)固定，訂購時請指明。
- 不須變換模具，即可將 L 從5-42mm隨意調整。
- Special feeding system prevents damaging the wire. Easy adjustment and maintenance.
- Compact, light, energy-saving and economy.
- Using the Tungsten Carbide Tool to assure durability.
- Automatic feeding system is unmanned after accurate adjustment.
- The Lead length (H) is fixed. Kindly specify in the order
- Easy to adjust the Lead Width (L) from 5-42mm without mold change.

以下訂購時請指明：

- 腳長(H)，長度是固定。
- 腳寬(L)要達到2.5-42mm者。
- 線徑(W)會達到 0.7-0.8mm以上者。

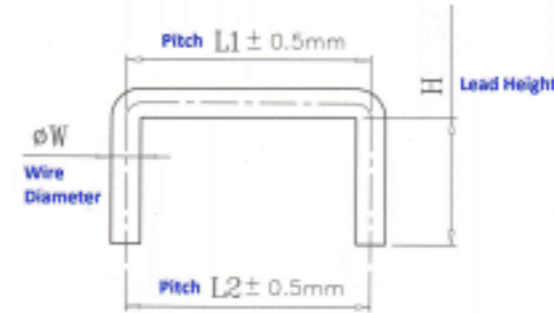
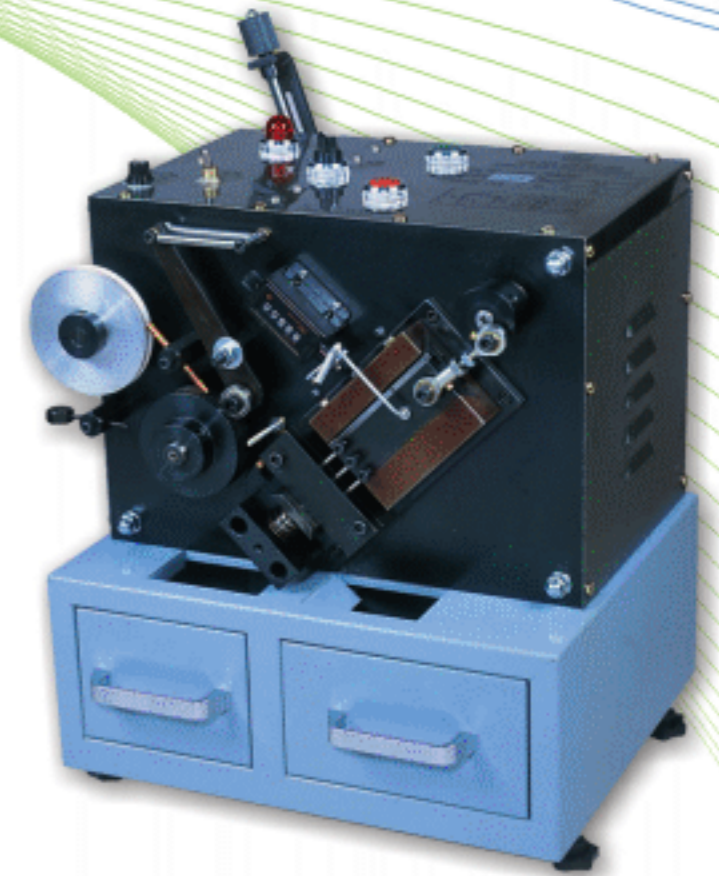
Please indicate below on the order :

The Lead length (H) is fixed. Kindly specify in the order.

If the Lead width (L) is 2.5-42mm, kindly specify in the order.

If the wire diameter is thicker than 0.8mm, please, specify in the order.

JF-600



機型Mode	JF-600	JF-600W
格式Type	標準 Standard	加強 Heavy-Duty
H 腳長Lead Length	固定規格 Fixed at certain spec.	固定規格 Fixed at certain spec.
L 腳寬Lead Width	5 - 42 mm	固定規格 Fixed at certain spec.
W 線徑Wire Diameter	φ 0.6-0.7mm	φ 1.0-1.2mm

JF-600X 無廢料跳線成型機

Jumper Wire Forming Machine- economy, no waste, press method

電壓 Power: 110V/60Hz ; 220V/50Hz

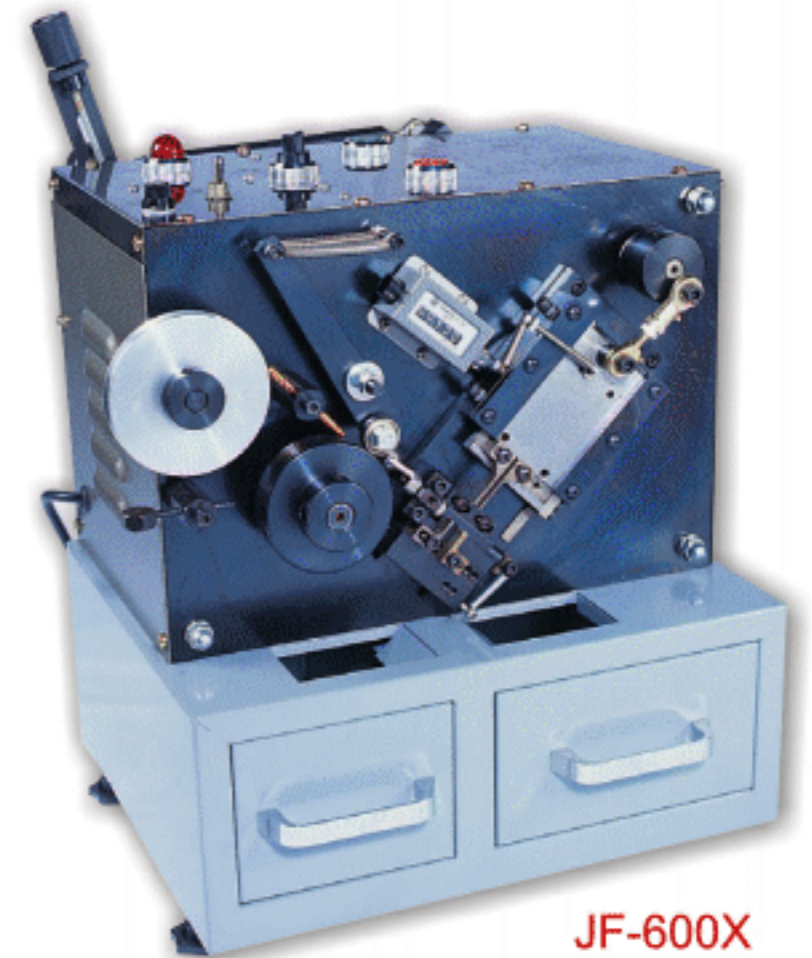
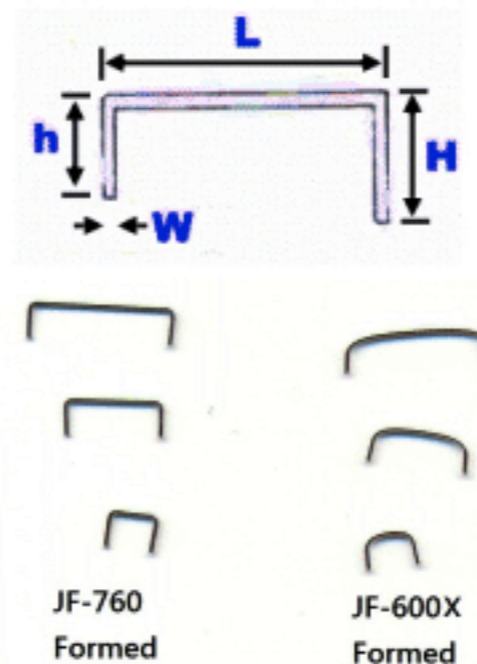
尺寸 Dimension: 440(L) x 440(W) x 570(H) mm

重量 Weight: 37 kgs

加工量 Capacity: 7,500pcs /Hour

- 調整、維修、保養容易、採用特殊送料方式，運轉順暢，不會在線材上留下痕跡。
- 體積小、輕便、耗電少、價格低廉、回收快。
- 採用碳化鎢模具壽命長。
- 整卷線材全自動送料、切斷無須人操作。
- 腳長、腳距皆可以調整。R角比JF-600、JF-760較大。
- Easy adjustment and maintenance. Special feeding system prevents damaging the wire.
- Compact, light, low energy consumption, quick return.
- The Tungsten Carbide Forming Tool ensures durability.
- Automatic feeding system is unmanned after the accurate adjustment.
- The lead length (h/H) and lead width (L) are adjustable.
- The R angle of the JF-600X is wider than the JF-600 and JF-760.

h 腳長Lead Length	0 - 12 mm
H 腳長Lead Length	3 - 8 mm
L 腳寬Lead Width	5 - 35 mm
W 線徑Wire Diameter	φ 0.6 - 0.7 mm



JF-600X

JF-760 無廢料跳線成型機

Jumper Wire Forming Machine - no waste, one adjustable lead length by punching method

電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 800(L) x 400(W) x 600(H) mm

淨重 Net Weight: 44 kgs

加工量 Capacity: 7,500 pcs/Hour

- 調整、維修、保養容易、採用特殊送料方式，運轉順暢，不會在線材上留下痕跡。
- 體積小、輕便、耗電少、價格低廉。
- 採用碳化鎢模具壽命長。
- 整卷線材全自動送料、切斷無須人操作。
- 標配：安全停車裝置、定量停車裝置、電子計數字幕顯示。
- 無廢料產生，單邊腳長(h)可調。送線總長最長46mm>h+H+L
- Easy adjustment and maintenance. Special feeding system prevents damaging the wire.
- Compact, light, energy-saving and economy.
- The Tungsten Carbide Tool ensures durability.
- Automatic feeding system is unmanned after accurate adjustment.
- Equipped as standard: Emergency stop device、Quantity pre-set device、LED display for Counter
- No waste of material, one single lead (h) is adjustable. The max. total wire length is 46mm (h+L+H).

訂購時請指明：1.腳長(H) 固定單一規格。

2.當線徑(W)會達到 0.7-0.8mm以上者。

Please indicate on the order : 1. The Lead length (H) is fixed. Kindly specify in the order.

2. If the wire diameter is thicker than 0.8mm, please, specify in the order.



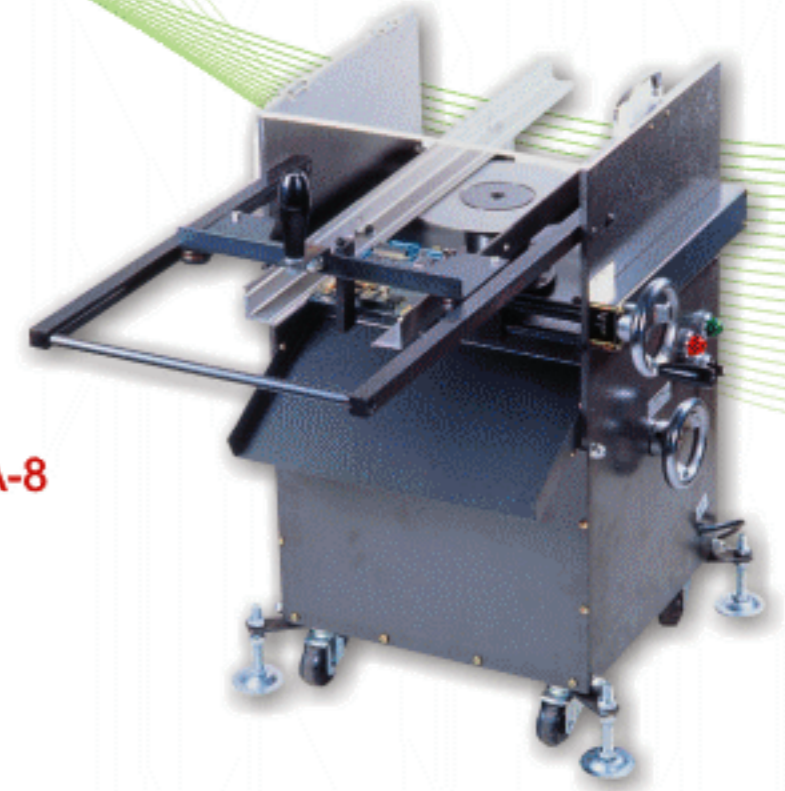
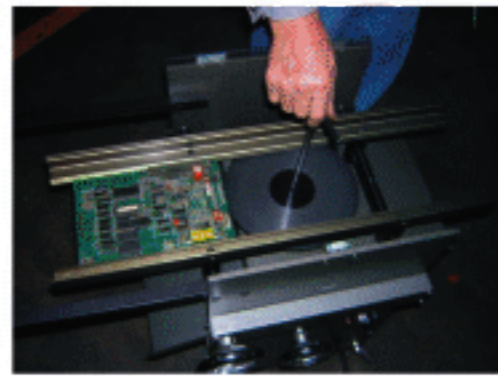
JF-760



KA-8 手推式 PC板切腳機

PCB Lead Cutter, by hand pushing

- 為PC板過錫爐後，剪腳最經濟選擇。
 - 建議搭配選購超硬鎢鋼刀NK-200/NK-250。鎢鋼刀為選購品，不屬於標準配備。
 - 採用特殊L型軌道適用於兩種厚度範圍，0.8mm - 1.2mm 或 1.6mm - 2.0mm
 - 穩固的機身結構，高精密的製作方式，確保加工品質的穩定。
 - 壓克力護蓋開啟時，機器會自動停止運轉。
 - 腳長不建議切到0.8mm 會傷PC板。已經短腳的零件不可再切短。
- Manual feeding cutters are the most economical choice.
 - The machine is designed to trim the wire leads off PCB assembly after the soldering process.
 - The fast turning Tungsten Carbide Blade (optional accessory) cuts PCB wire leads while PCB is fed on the trails one by one manually.
 - The safety sensor stops the machine while the acrylic cover is open.
 - Recommend using our Tungsten Carbide Blades: NK-200 or NK-250. (optional accessory)
 - Don't recommend the after-cut lead length shorter than 0.8mm because PCB is damaged easily. If the lead wire is cut already, the cutter cannot cut it shorter due to strong pressure on short leads.



KA-8

型號 Model (mm)	KA-8	KA-66
型式Type	Manual feeding手推式	Automatic 自動送料
軌道厚度範圍Thickness Range	0.8 - 1.2 & 1.6 - 2.0	0.8-2.5
主軸轉速 RPM of Spindle	4500	4500
主軸馬力 HP	1/2 HP	3/4 HP
軌道速度 Feeding Speed	Depend on the operator 快慢依操作人員的手推速度	0-3 M / minute 速度可調
最低腳高MIN. Lead Height	最低1.0mm	最低1.0mm
最大PC板尺寸 (L) x (W) MAX.PCB Working Sizes	400 x 270	500x280
機器尺寸 Dimension	1050(L) x 570(W) x 750(H)	900 x 670 x 800
電壓Power	110V/60Hz ; 220V/50Hz	220VAC,50/60HZ
淨重Net Weight	73 kgs	115 kgs

KA-66 全自動PC板切腳機

Automatic PCB Lead Cutter

- 提供PC板過錫爐後之剪腳作業。
 - 穩定性高，可與自動錫爐及插件機連線。
 - 採爪片式彈片夾具夾緊PC板。爪片更換容易而且經濟。
 - 附PC板防彎曲裝置和頂針，可克服因焊錫後變形PC板之切腳。
 - 進料速度可做無段調整，最大速度3m/分鐘。
 - 可加購前後入料軌道銜接至鉅錫爐，達到流暢一貫化作業！
 - 建議搭配選購超硬鎢鋼刀NK-200/NK-250。鎢鋼刀為選購品，不屬於標準配備。
 - 腳長不建議切到0.8mm 會傷PC板。已經短腳的零件不可再切短。
- The Best Selection for the effective production after PCBA is soldered.
 - KA-66 is designed to trim the extra-long leads automatically and efficiently on the PCB where components are inserted and soldered.
 - A pair of conveyor chains in KA-66 clamps and delivers the PCB to be trimmed lead wires by high-speed turning blade (NK-200 or NK-250).
 - PCB Warp prevention device and supporting pins are equipped to ensure no damage and equal cut on boards.
 - Linking conveyors are expandable.Optionally, KA-66 can connect with wave soldering machines by inlet and outlet conveyors for automatic thorough production line.
 - Recommend using our Tungsten Carbide Blades: NK-200 or NK-250. (optional accessory)
 - Don't recommend the after-cut lead length shorter than 0.8mm because PCB is damaged easily. If the lead wire is cut already, the cutter cannot cut it shorter due to strong pressure on short leads.



KA-66



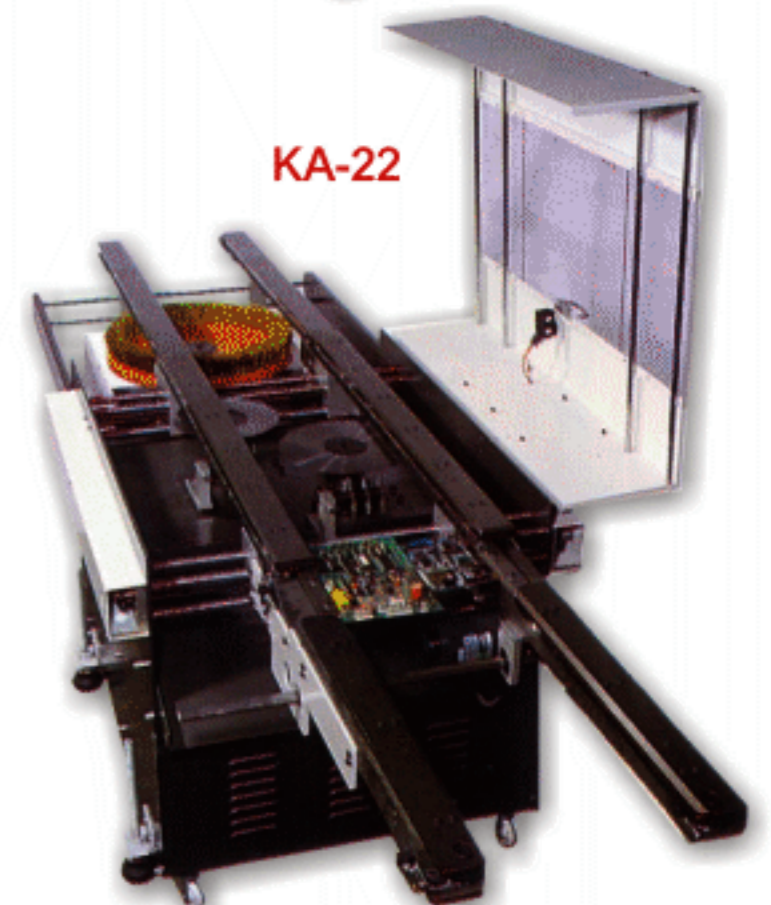
KA-22

KA-22 雙刀頭全自動PC板切腳機

Automatic Twin Blades PCB Lead Cutter

- PC板適合範圍:10-420mm。
 - 可安裝毛刷清除沾黏之線腳。
 - 可銜接自動焊錫爐進行一貫作業。
 - 附有頂針及壓板裝置可防PC板變形。
 - 銜接軌道前後高低可調整，適用於不同廠牌焊錫爐之銜接。
 - 鎢鋼刀為選購品，不屬於標準配備。
- PCB width range:10-420mm
 - The optional Copper Brush cleans the after-cut residuals.
 - Link with the soldering machine into the massive production is available.
 - The height of the front and back conveyors is adjustable to meet various kinds of connection.
 - PCB Wrap-proof device is equipped.
 - The Tungsten Carbide Blades are excluded in the machine.

型號 Model (mm)	KA-22
型式Type	Twin blade + Brush
軌道厚度範圍Thickness Range	0.8-2.5
主軸轉速 RPM of Spindle	4500
主軸馬力 HP	3/4 HP
軌道速度 Feeding Speed	0-3 M / minute 速度可調 Adjustable
銅毛刷轉速 RPM of Brushing	600 RPM / 1/5HP Brass/Copper Brush
最低腳高MIN. Lead Height	1.0mm
最大PC板尺寸 (L) x (W) MAX.PCB Working Sizes	10-420
機器尺寸 Dimension	2700x 1200 x 1100
電壓Power	380V,Single phase
淨重Net Weight	350 kgs



KA-22

KA-B6 全自動PC板切腳及毛刷機

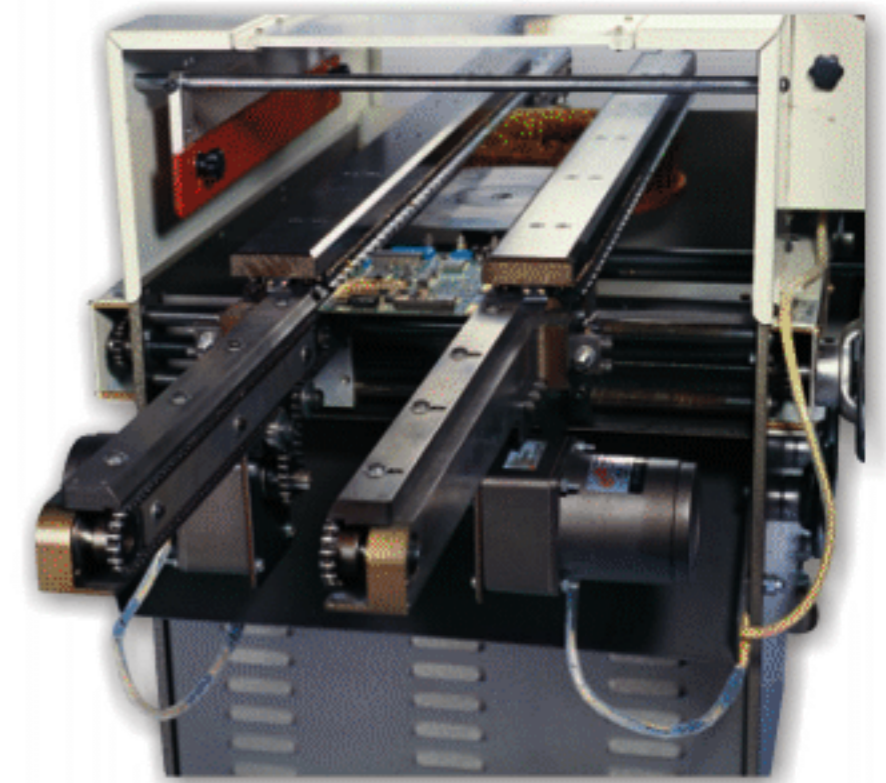
Automatic PCB Brushing and Lead Cutting Machine

- PC板適合範圍(軌道寬度範圍): 10 ~ 280mm
- 可安裝毛刷, 清除沾粘之線腳。
- 可銜接自動焊錫爐進行一貫作業。
- 附有頂針及壓板裝置可防PC板變形。
- 銜接軌道前後高低可調整, 適用於不同廠牌焊錫爐之銜接。
- 腳長不建議切到0.8mm 會傷PC板。已經短腳的零件不可再切短。
- PCB Working Range (Width of feeding trails): 10 ~ 280mm.
- Brush is suitable to clean and brush away lead residuals after cutting.
- Available to connect with wave soldering machines in mass production.
- PCB Wrap-proof device is equipped.
- The heights of inlet and outlet conveyors are adjustable to meet the various brands of soldering machines.
- Don't recommend the after-cut lead length shorter than 0.8mm because PCB is damaged easily. If the lead wire is cut already, the cutter cannot cut it shorter due to strong pressure on short leads.



KA-B6

型號 Model (mm)	KA-B6
型式Type	Automatic + Brush 自動入料+毛刷
軌道厚度範圍Thickness Range	0.8 - 2.5
主軸轉速 RPM of Spindle	4500
主軸馬力 HP	3/4 HP
軌道速度 Feeding Speed	0-3 M / minute 速度可調 Adjustable
毛刷轉速 RPM of Brushing	600 RPM / 1/5HP Brass/Copper Brush
最低腳高MIN. Lead Height	>1.0 mm Adjustable
最大PC板尺寸 (L) x (W) MAX.PCB Working Sizes	500 x 280
機器尺寸 Dimension	1160 x 730 x 800
電壓Power	220V AC, 50/60HZ
淨重Net Weight	200 kgs



KA-B6-IN

KA-B6 附於機台上標準配備

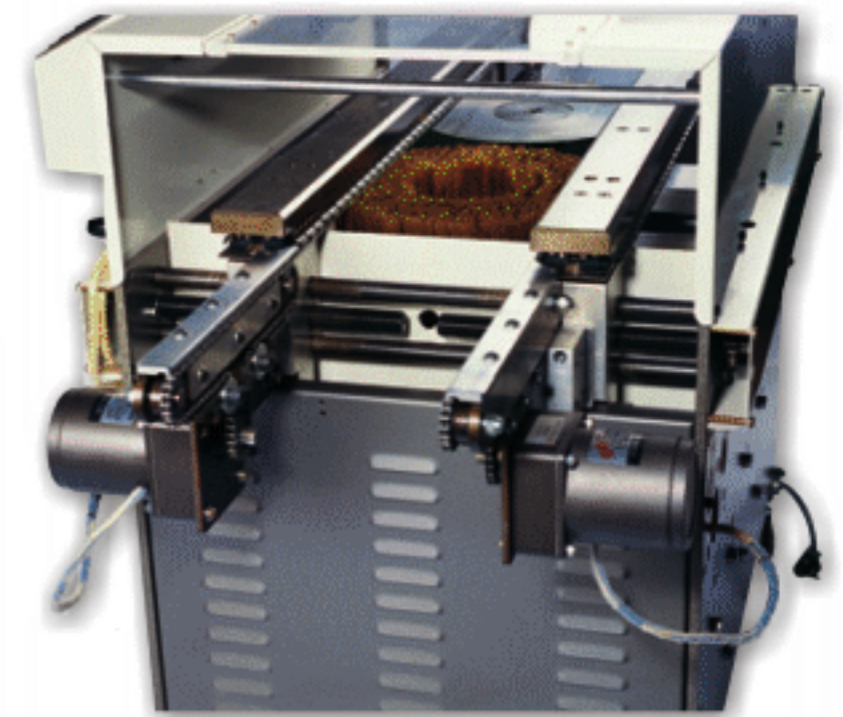
Equipped Standard Accessories

1. 250 圓形銅刷一只。
2. 防上彎電木條一組, 電木PC板壓台4個。
3. 防PC板下彎刺形頂針一組。
4. 工具一套。
1. 250mm Brass/ Copper Brush . 1 Unit.
2. Warp-proof Bakelite bar (1 set), Frame for warp-proof(4 sets).
3. Warp prevention thimble wheel (1 set)
4. Tool set (1 set).

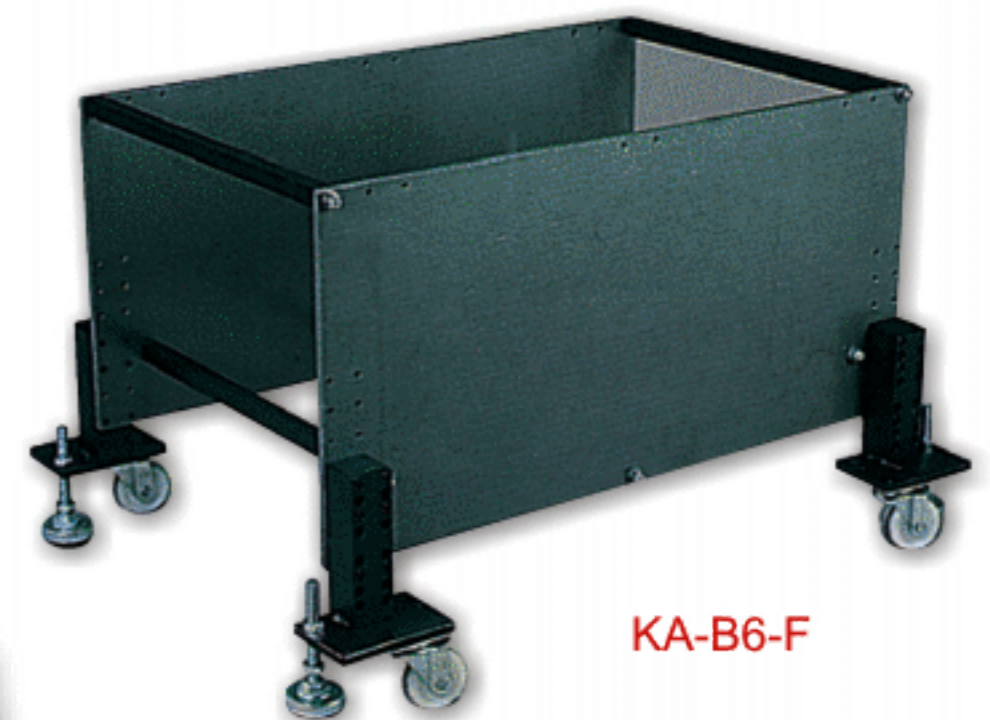
KA-B6 選擇性配備

Optional Accessories

1. KAB6-IN 前入料銜接軌道 Inlet connecting conveyor
銜接自動焊錫爐使用, 只要將入料軌道高度與自動焊錫爐出料軌道高度調整一樣, 就可省略人工放料。
即由 自動焊錫→入銜接軌道→自動送入PC板切腳→由銅刷清除殘留於PC板上的錫珠或殘渣→PC板完成送出。
Wave soldering machine→Inlet connecting conveyor→PCB Lead Wire Cutting Machine→Brush away residuals→Finish and send out.
2. KAB6-OU 後出料銜接軌道 Outlet connecting conveyor
當PC板經切腳及銅刷清理完成送出時, 如果要再自動送板, 連接下一站的工作, 就必須再接上"後出料銜接軌道", 例如: 二次焊錫作業或另接輸送機等...
After the PCB is cut, brushed and sent out, if the next procedure is needed, an outlet connecting conveyor is needed as well. For example, a second wave soldering machine or another insertion conveyor.
3. KAB6-F 台架 Connection Frame
在下列狀況下需選購台架
A. 前入料銜接軌道要連接上一站的動作。
B. 後出料銜接軌道要連接下一站的動作。
因為高度不同, 需將整台機器架高, 才能達到水平連接, 就要使用此台架。台架高度為客制。
The following situations are for the Connection Frame:
A. Inlet connecting conveyor links to the previous procedure.
B. Outlet connecting conveyor links to the next procedure.
Because of different heights, the Connection Frame elevates Cutting Machine to an equal level of soldering conveyors.
The frame height is customized.
4. 銅刷 Brass/Copper Brush
 - BK- 250 : 直徑250mm適用KA-B6。
 - BK- 320 : 直徑320mm適用KA-22。
 - Diameter at 250mm for KA-B6.
 - Diameter at 320mm for KA-22.
5. 鎢鋼刀片 Tungsten Carbide Steel Blade
 - NK- 200 : 直徑200mm / 8吋。
 - NK- 250 : 直徑250mm / 10吋。
 - Diameter at 200mm(8").
 - Diameter at 250mm(10").



KA-B6-OU



KA-B6-F



BK-250



BK-320

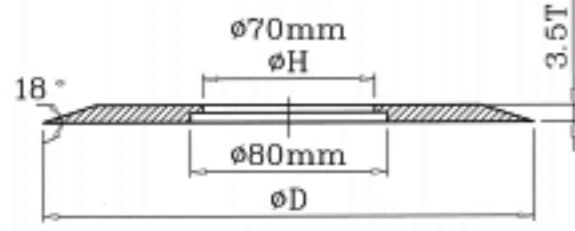
NK-200 NK-250 超硬鎢鋼刀

Tungsten Carbide Steel Blade

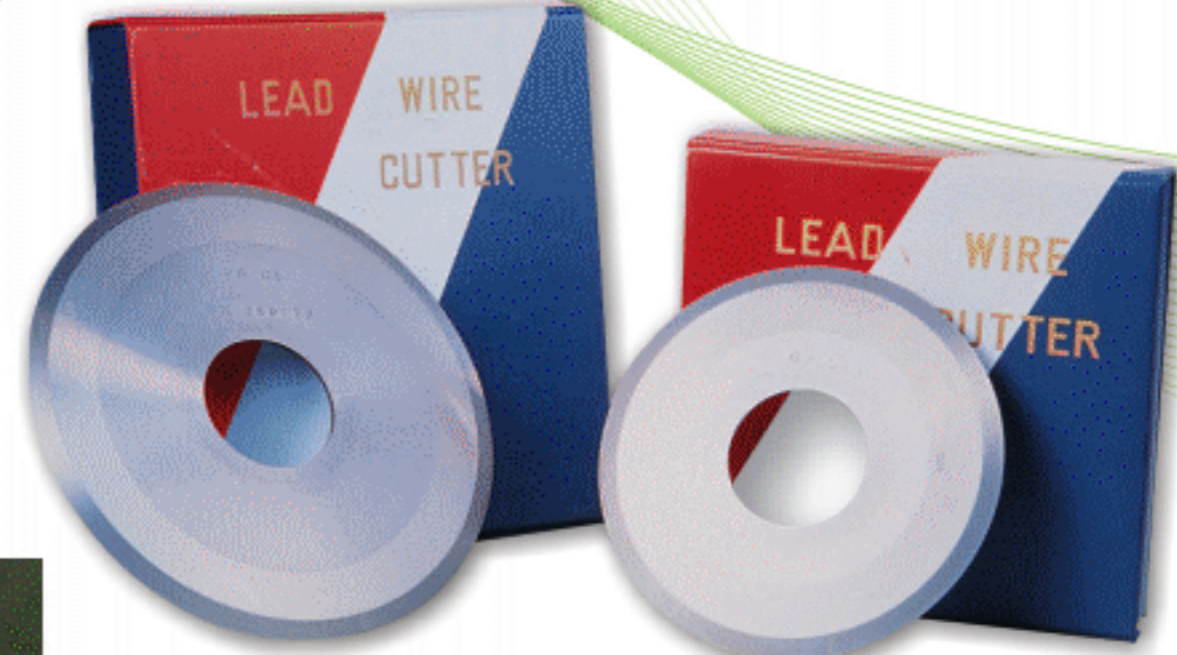
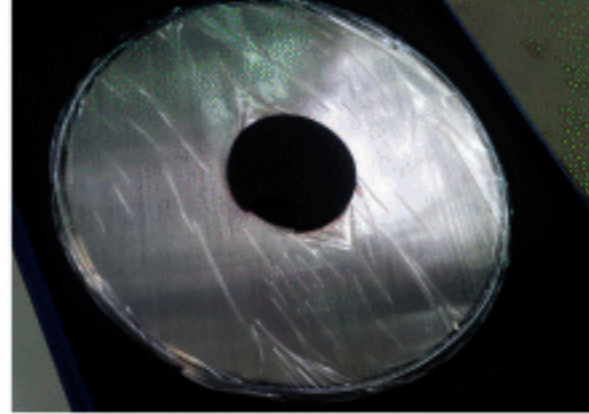
KA系列切腳機選配切刀。

兩種規格可選：NK-200直徑200mm(8吋)和NK-250直徑250mm(10吋)
For PCB Lead Wire Cutting machines usage, it's optional accessory for KA series.
Two diameter options: NK-200 is 200mm (8") ; NK-250 is 250mm(10")

NK-200 & NK-250 Tungsten Carbide Steel Blade



Size: NK-200=ø200(øD)x3.5Tx70(øH)mmx18°
Size: NK-250=ø250(øD)x3.5Tx70(øH)mmx18°



NK-250

NK-200

KA-680 鎢鋼刀研磨機

Blade Re-sharpening Machine

- 乾磨、水磨均可適用，避免因委外加工造成之工期延誤及增加刀片研磨次數。
- 刃口研磨角度可調整。18°為常用角度。
- 採用循環冷卻及密封式設計，可降低耗材損失及保持清潔。
- 操作容易、保養簡易。一天八小時始用下，每1-2天研磨刀片。

Simple and easy operation and maintenance. No delay on the production due to outsourcing re-sharpening. This machine is designed and built to re-sharpen the tungsten carbide blades edge at 18 degrees that are used in PCB Lead Wire Cutting Machine. Sharpen the blade once in 1-2 days under 8 hours/day; 5days/week working time. The wires material、amount and PCB size affect the sharpening frequency.

- Five Main portions:
 1. Main frame of the machine
 2. Electric control system
 3. Coolant system
 4. Grinding device
 5. Feeding device
- The machine is available for dry or wet grinding operation, with or without coolant. The coolant is recycled and sealed to avoid waste and keep clean.
- Tip: The blade needs to be grinded as it is worn out. Grinning every 1-2 days is normal.

型號 Model (mm)	KA-680
主軸轉速 RPM of Spindle	3000
刃口角度 Cutting Angle	角度可調Adjustable 17° - 22°
鑽石砂輪 Diamond Wheel	125D-6W-2X-35T-14E-31.75H
電壓 Power	220V 50/60HZ
研磨速度 Capacity	每片約20分鐘 20 minutes/pc
機器尺寸 Dimension	800(L) x 750(W) x 1200(H) mm
淨重 Net Weight	135 kgs

KA-680

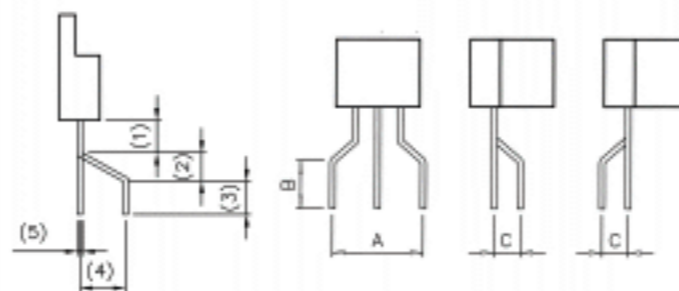


RT700
+YF900

YF-900 自動電晶體成型機

Automatic Transistor Lead Forming Machine

電壓 Power: 110V/60Hz ; 220V/50Hz
尺寸 Dimension: 1050(L) x 600(W) x 900(H) mm
淨重 Weight: 140kgs
加工量 Capacity: 每小時 3,600pcs /Hour



- 採平面震動送散料方式進料。可震動盤進料或直接手放料。甚至加裝全自動管裝送料器。
- 分割器安定、穩定性高。
- 步進：一次一顆送料，不良率降至最低點，不同成型規格，換用不同模具。
- 可成型加工：MOSFET三極管/可控硅、LED、TO-92/TO-220功率電晶體、大型電解電容等。請來圖帶料與成型規格評估。
- 霍爾元件專用機型：YF-900E
- YF900+ RT700 加裝全自動管裝送料器。舉凡來料是塑膠管裝(通常是功率晶體)皆可使用RT-700。

- Linear feeding trail that is controlled by a photoelectric sensor. Automatic feeding system equipped with automatic Bowl feeder or hand feeding.
- Linear feeding trail is controlled by a photoelectric sensor to feed smoothly. Five pallet stations are suitable for the massive production.
- Step feeding, sends parts one after one to increase the stability. Customized forming dies, tailor-made for customer's specification.
- Apply to Hall sensor、MOSFET、LED、Power Transistors(TO-92/TO-220)、Electrolytic Capacitors etc. Please provide drawings with specifications and samples to evaluate.
- YF-900E is a model special for "Hall Sensor".
- RT-700, Automatic Tube Feeder, can be purchased and applied optionally afterward.



YF-900

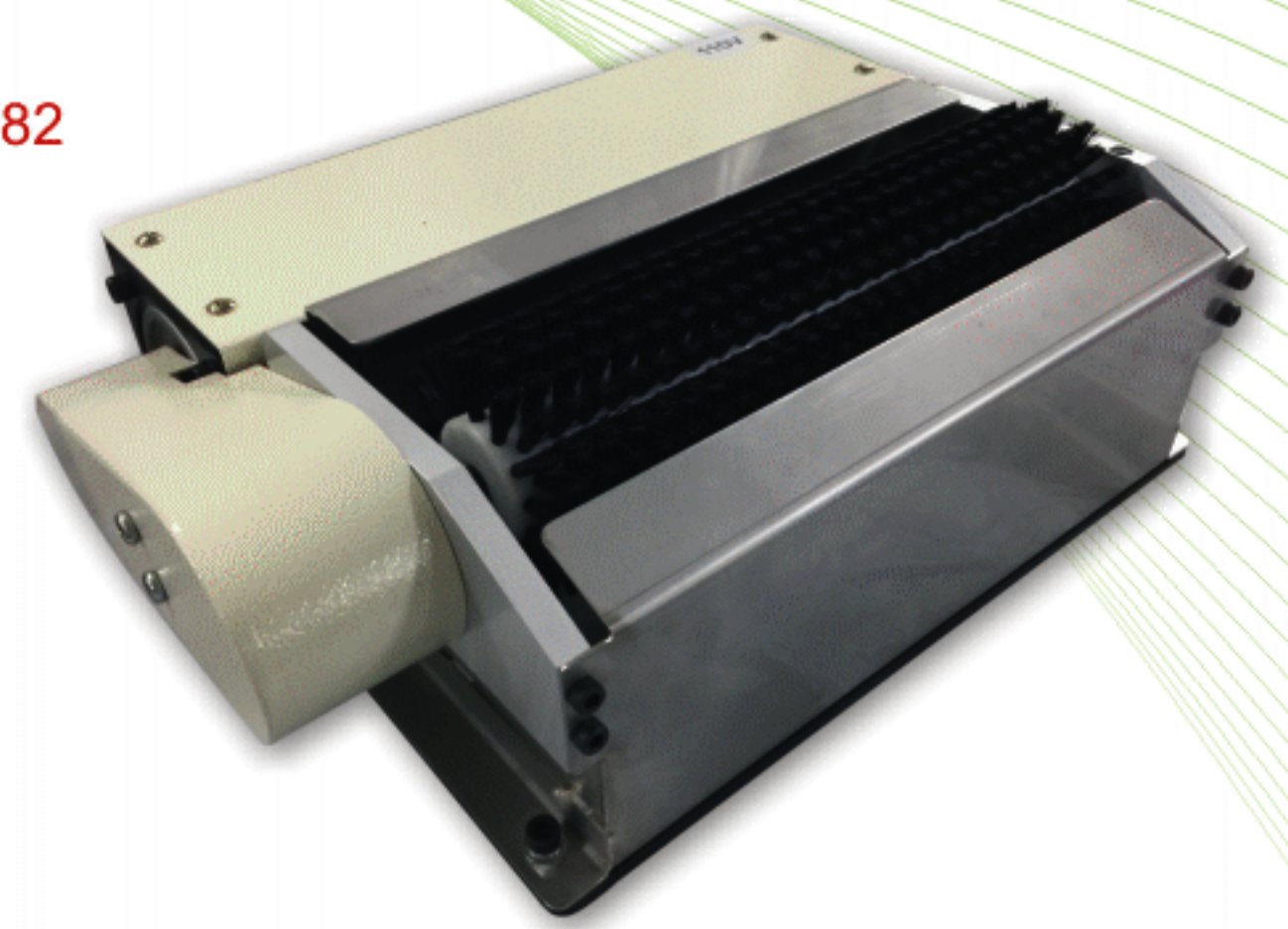
KA-82 滾筒式毛刷機

Roller Brushing Machine

- 滾筒式毛刷自動沾清潔劑，清潔PC板。
- 滾筒毛刷作業中不會刮傷PC板。
- 滾筒毛刷清潔角度、高低、速度皆可調整。
- Rolle brush dips the cleanser, cleans the surface of PCB and polishes completely.
- The brush cannot scratch PCB during cleaning.
- The speed, height and cleaning angle of the brusher are adjustable.

型號 Model (mm)	KA-82	KA-82W
主軸轉速 RPM of Speed	0 ~ 500 RPM adjustable 可調	
滾筒毛刷尺寸 Roller Brush size	ψ 40 x ψ 80 x 250(L) mm	ψ 40 x ψ 80 x 400(L) mm
溶劑槽容量 Tank Volume	2.1公升 Liters	3.2公升 Liters
機器尺寸 Dimension	320(L) x 320(W) x 140(H) mm	470(L) x 320(W) x 140(H) mm
電壓 Power	110V/60Hz ; 220V/50-60Hz	
淨重 Net Weight	13 kgs	15kgs

KA-82



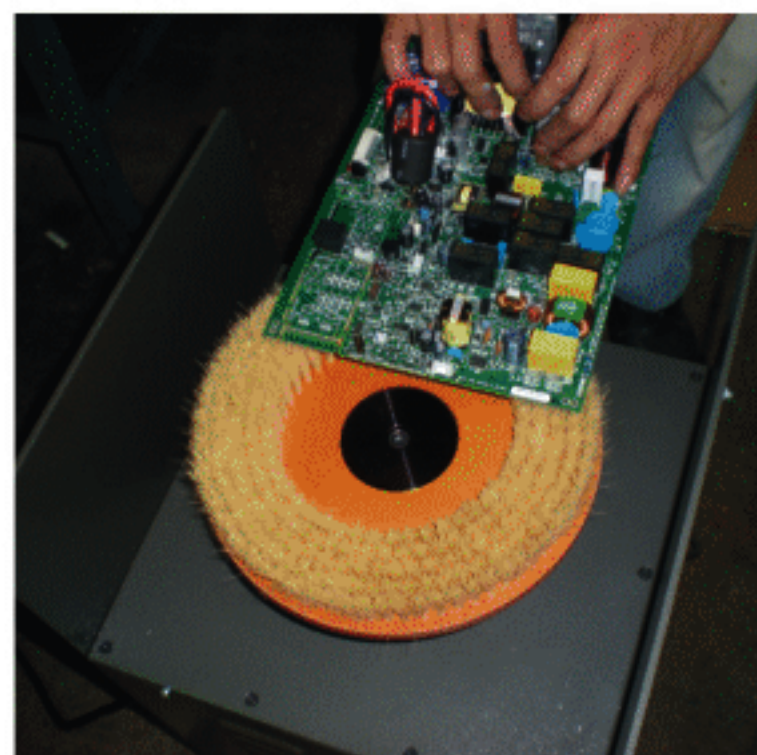
KA-83 PC板毛刷機

PCB Brushing Machine - by hand holding

- 標準配劍麻毛刷，另有銅毛刷可以選購。
- 刷除殘渣絕不會傷害PC板。
- 特殊處理不會產生靜電。
- The Palm Fiber Brush is equipped. The Brass/Copper Brush is available optionally.
- Hold the PCB in your hands and brush the PCB with the fast turning brush that is equipped in the machine.
- Never damage the surface of PCB during brushing.
- Anti-static design rarely causes static electricity.

型號 Model (mm)	KA-83
主軸轉速 RPM of Spindle	600
毛刷尺寸 Brush Diameter	ψ 250 mm
PC板最大尺寸MAX. PCB Working Size	400mm(L) x 270mm(W)
機器尺寸Dimension (mm)	500(L) x 500(W) x 700(H)
電壓Power	110V/60Hz; 220V/50Hz
淨重Net Weight	50 kgs

KA-83



KA-B80 PCB板自動毛刷清潔機

Automatic PCB Brushing Machine

- 自動沾清潔劑，兩段式清潔：先沾取、後清洗。
- 滾筒毛刷作業中不會刮傷PC板。
- 附有壓板裝置，可防止PC板清潔時上浮。
- 可銜接自動焊錫爐，達到一貫作業。
- 滾筒毛刷清潔角度、高低、速度皆可調整。
- Automatically brushing the PCB on the feeding trails. Two steps of cleaning: dip the cleanser first, and then clean PCB.
- Roller brushes never damage PCB during cleaning.
- The pressing device can prevent a big size PCB from wrapping during the operation.
- Connection to a wave soldering machine with the Inlet and outlet conveyor is available.
- The speed, height and cleaning angle of brushes are adjustable.

型號 Model (mm)	KAB80
軌道速度RPM of Speed	0 - 3 M adjustable 可調
PCB尺寸PCB working size	10mm ~ 400mm
毛刷轉速RPM of brusher	0 ~ 700 rpm
機器尺寸Dimension	1200(L) x 780(W) x 900(H) mm
電壓Power	220V/50Hz
淨重Net Weight	160kgs
溶劑槽容量 Tank Volume	15 liters 公升



KA-B80 PCB去殘膠



KA-B80 毛刷機

NTG-520N PCB V槽分板機

Pre-scored PCB Depaneling Machine - Roller slice

電壓 Power: 110V/60Hz ; 220V/50Hz

機器尺寸 Dimension: 430(L) x 430(W) x 520(H) mm

淨重 Net Weight: 36 kgs

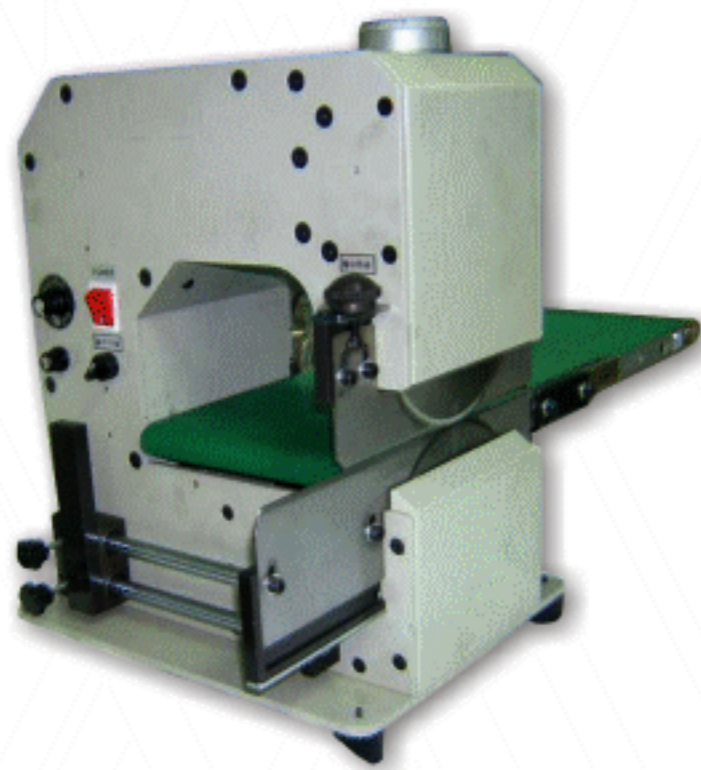
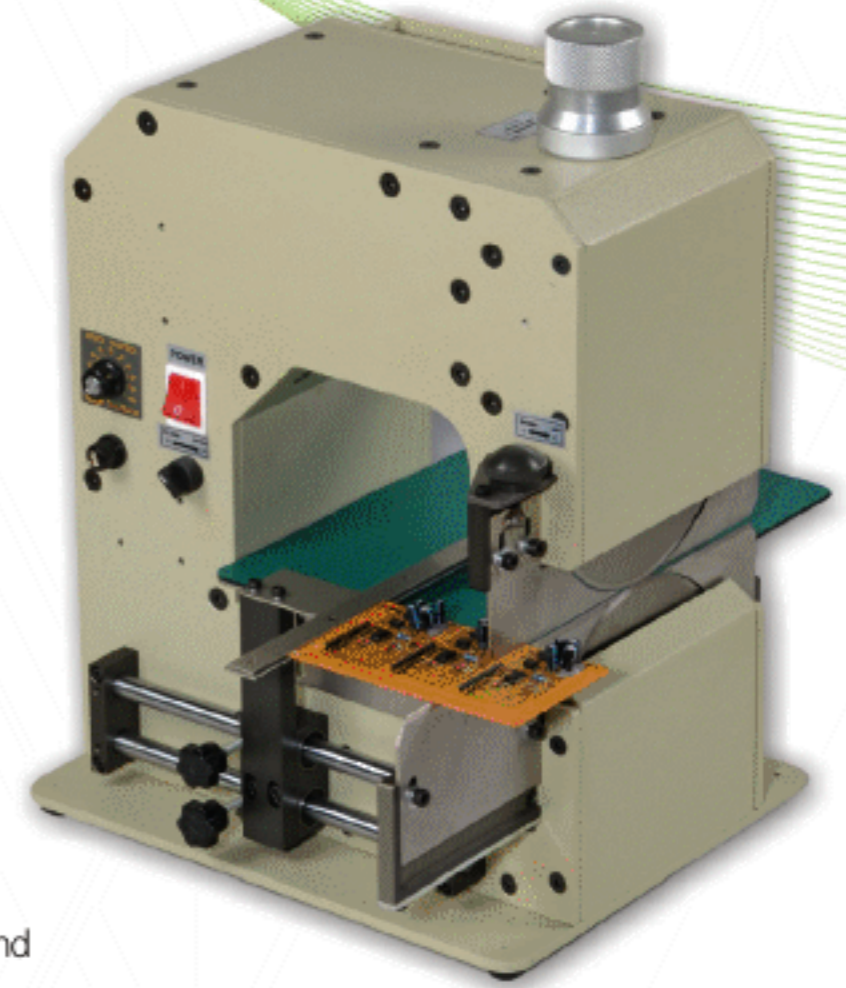
PC板可切厚度 PCB thickness range : 0.8-2.0mm

PC板可切長度 PCB cut length : 無限 unlimited

PC板可切寬度 PCB

- 處理V-cut分板作業，採用無應力設計理念。
- 切刀可垂直調整，左右校對。
- 滾刀順形於V槽，將板分離。可切有V槽的鋁基板。
- 滾刀輪軸速度可調整，可選擇加購換用正反轉馬達。
- 可調整之導片裝置，可依PCB的厚度作微調。
- PC板最寬可折168mm，長度無限制。另可選購加裝寬版平台。
- Separate V-cut panel boards/PCB without bending stress.
- The blades are adjustable both in vertical and horizontal directions.
- The round blades separate the board along with the V-groove. Aluminum PCB can be cut.
- The roller spindle speed of the round blade is adjustable. Can choose to purchase & exchange for forward and reverse motor.
- The maximum width of PCB is 168mm, the max. PCB length is unlimited. The extended platform is available.

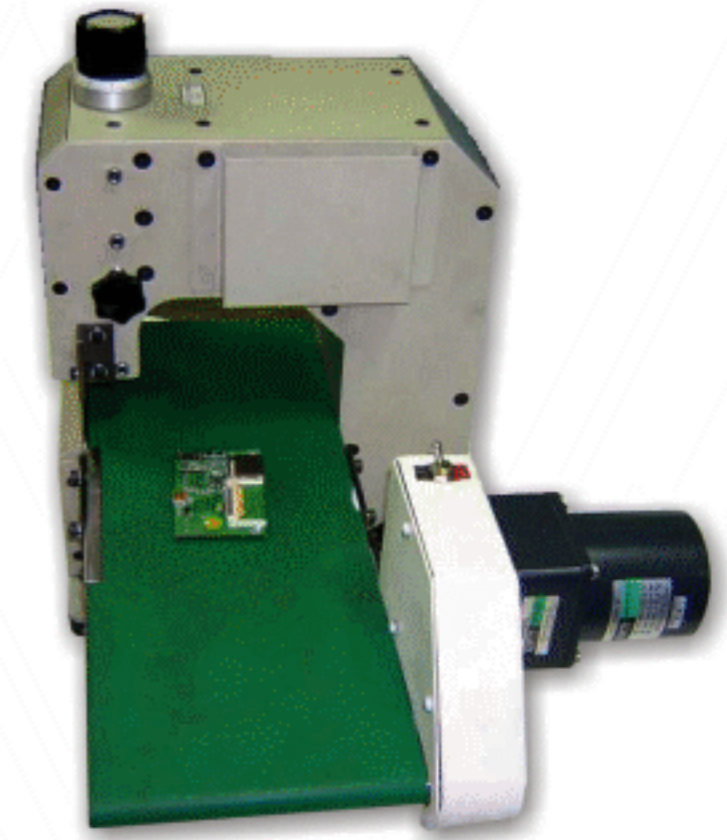
NTG-520N



選購加長平台



選購加長加寬平台



選購輸送帶平台

NTG-530N 三刀式鋁板分板機

Pre-scored Aluminum PCB Depaneling Machine - Triple Roller Slice

電壓 Power: 110V/60Hz ; 220V/50Hz

機器尺寸 Dimension: 400(L) x 350(W) x 350(H) mm (不含平台/excluded platform)

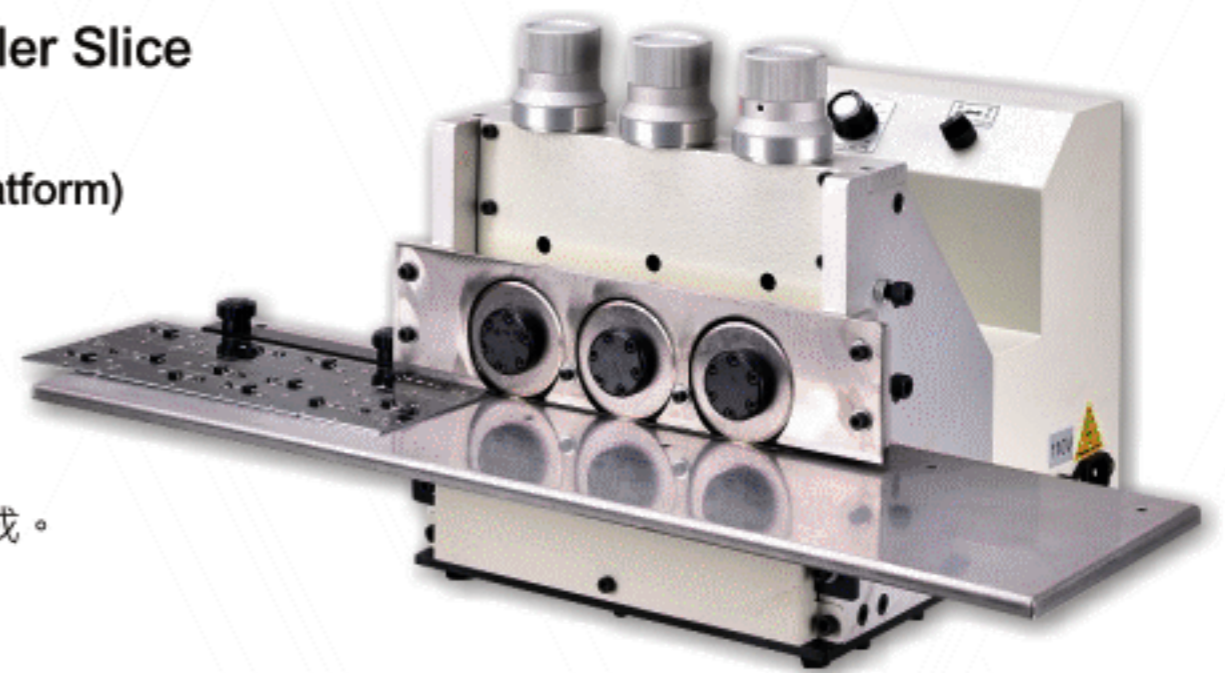
淨重 Net Weight: 32 kgs

分板速度 Speed: 0-300mm/秒second

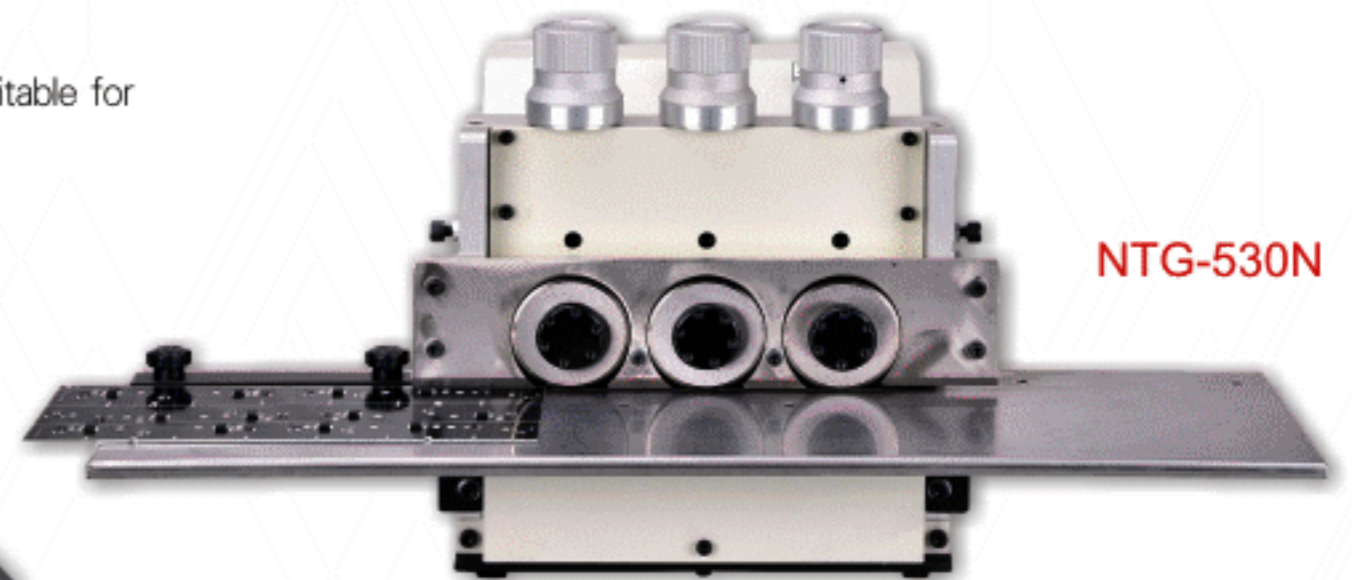
PC板可折厚度 PCB thickness range: 0.8-2.0mm

(必須有V槽 / V-Cut is required)

- 本機將多次切割，由3組上下圓刀分段切割完成。
- 第一組刀：先切割40%；第二組刀：再切割40%；第三組刀：將鋁基板切分開完成。
- 切割過程中產生的應力，較傳統單刀切割方式的應力小。
- 不鏽鋼平台可客製長度，平台亦附可調擋板。適用不同寬度的燈條。
- 馬達速度可調整，上刀亦可上下調整。
- 分板長度無限制，板寬最寬40mm，板厚0.8-2.0mm。
- Three sets of upper and lower round blades complete cutting by triple times.
- First set: cut 40%; second set: cut more 40%; third set: cut completely.
- The cutting pressure is lower than the traditional method.
- Stainless steel platforms can be customized in length. The adjustable stopper is suitable for different widths of PCB.
- The motor's speed is adjustable both in upper and lower blades.
- Cutting length is unlimited.
- Max. cut PCB width is 40mm.
- Max. cut PCB thickness is 0.8-2.0mm.



NTG-530N



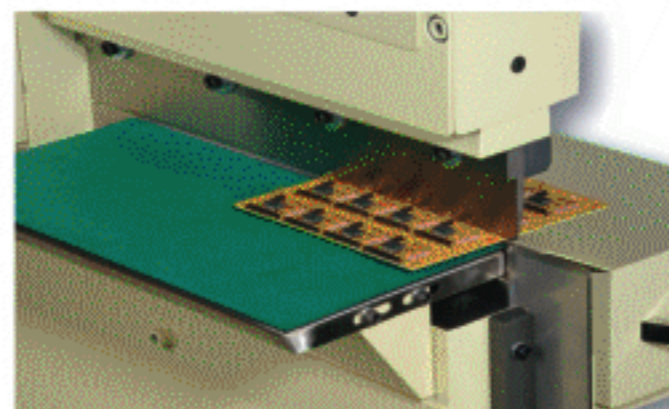
NTG-530N

NTG-350 PC板V槽分板機 - 閘刀式分板機

Pre-scored PCB Depaneling Machine - Chopper type

氣壓 Air Source: Compressed air 5kg/cm²
機器尺寸 Dimension: 720(L) x 500(W) x 1070(H)mm
淨重 Net Weight: 190 kgs
刀長 Knife Length: 350mm (NTG-350)
刀長 Knife Length: 400mm (NTG-350L)
切板厚度 PCB Thickness Range: 0.3mm ~ 3.0mm

- NTG-350分板機，採用無彎曲應力設計理念，處理V-cut連板分板作業。
- 採氣動式零件驅動，安靜無噪音，分板時絕無震動產生。
- 即使敏感度極高SMD零件或超薄PC板也可安全分板。
- 新式改良無限分段式切割技術，將應力消除。
- 刀片間隙可以輕鬆調整，以適合不同板厚的電路板。
- 非熟手也可以輕鬆操作及保養。
- PCB with sensitive SMD, capacitors or thin board even to 0.3mm can be worked safely.
- Gap between knives for the inlet of the boards can easily be adjusted by the adjusting knob in front of the machine.
- New separating process without vibrations due to the air drive unit.
- Easy maintenance and operation.
- Pneumatic control is placed in a separate unit for easier maintenance.



NTG-350



NTG-20 V-CUT走刀式分板機

V-CUT/Pre-scored PCB Depaneling Machine - Moving Blade

電壓 Power: 110 V/60Hz; 220V/50Hz
機台尺寸 Dimension: 780(L) x 400(W) x 450(H)mm
淨重 Net Weight: 45 kgs
刀輪行程 Blade Route: 單次最長430mm。Max. 430mm / route
刀輪尺寸 Blade Size: ϕ 145mm
下刀尺寸 Down- Blade Size : 500mm
刀輪速度 Blade Speed: 500mm/second
PC板厚 PCB Cut Thickness: 0.5 ~ 3.2mm

- 用無彎曲應力設計理念，處理V-Cut分板作業
- 靜止PC板平放，滾走式刀輪，無應力分板
- 切割行程採分段式調整，連板分割快速
- 採用D.C.無碳刷馬達驅動，切割力量平均
- 滾刀切割速度可調，順著V-Cut槽將板分離
- 圓滾刀、下長刀可微調校對，刀鈍可研磨
- 有異形零件跨越V-Cut溝槽，可訂製符合需求
- 長、短PC板分割作業皆適合，機構精密耐
- No bending stress design operates along with V-Cut PCB.
- Lay down stable PCB, and rotary moving blade cuts without stress.
- Rotary movement which is adjustable in the different route can cut joint PCB fast.
- D.C. Brushless IPM Motor helps even cutting stress.
- Rotary speed of the round blade is adjustable.
- The Upper Round blade can be aligned with the lower straight trail, and both can be re-sharpened.
- When parts lay across the groove, NTG-430 can customize the bottom straight trail to leave space for odd parts to prevent cutting.
- Durable and accurate mechanism is suitable to cut any long or short PCB.

NTG-20



NTG-20-NS V-CUT走刀式分板機/附皮帶輸送

V-CUT/Pre-scored Depaneling Machine - Moving blade type with Belt Conveyor

電壓 Power: 110 V/60Hz; 220V/50Hz
機台尺寸 Dimension: 1280(L) x 400(W) x 450(H) mm
淨重 Net Weight: 56kgs

- NTG-20-NS是有加裝皮帶輸送機構
- 皮帶輸送是選購配備，可依需要增加
- 輸送皮帶可將分板後PC板送到下一個工作站
- 輸送皮帶與分板機同步，訂購時選擇向左或右方向輸送
- NTG-20NS is a machine with a belt conveyor.
- Belt conveyor is optionally accessory, installed upon requirement.
- NTG-20NS transmits after-cut PC boards to the next working station.
- The transmitting direction can be selected either from left to right or from right to left.
- Synchronize with the V-CUT machine's working direction.

NTG-20-NS

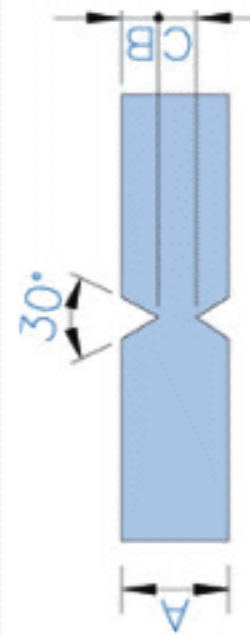




NTG Series

Comparison Chart:
NTG 系列規格比較表

	NTG-520N	NTG-530N	NTG-20	NTG-20NS	NTG-350	NTG-350L
Machine Dimension (L x W x H)尺寸	430 x 430 x 520	400 x 350 x 350	760 x 350 x 380	1250 x 400 x 400	720 x 500 x 1070	720 x 500 x 1070
Machine N.W. 淨重	36 kgs	32 kgs	65 kgs	100 kgs	190 kgs	195 kgs
Feasible PCB length 可切PCB長度	Unlimited	不限	Max. 400mm	Max. 400mm	Max. 350 mm	Max. 400 mm
Feasible PCB width 可切PCB寬度	內側最寬	Max. 40mm	內側最寬	最長	最長	最長
PCB thickness (A) 可處理PCB厚度	Max. 160mm	Max. 40mm	0.4-2.0mm	Unlimited	不限	0.3-3.0mm
Depth (B) and Leftover PCB (C) 溝槽深度						
PCB material PCB材質	Aluminum PCB available 適用鋁基板					
Edge from Groove 離V-CUT邊最小距離	at least 2mm					
Height of parts on PCB 板上零件限高	Max. 35mm	Max. 20mm	Max. 20mm	Max. 20mm	Max. 5 in right 右刀最高, Max. 30 left 左刀最高	Min. 1.0 in right 至少離右刀, Min. 0.5 in left 至少離左刀
Height of parts under PCB 板下零件限高	Max. 15mm	Max. 20mm	Max. 10mm	Max. 10mm	Max. 5 mm	N/A, one time cut 一次切斷, 視作業員速度
Working speed, VR 速度範圍	0-100					
Feeding direction PCB送入方向	from Left to right 從左至右 (雙向須加購換用)	Adjustable up to linear blade level 可調整與下直刀切齊	from Left to right, back and forth 行程可調:左到右, 右到左	Adjustable up to linear blade level 可調整與下直刀切齊	Extendable optionally 可視需求加裝	Feed from the side or front 側面或正面入板
PCB supportin platform PCB放置平台	Extendable 可視需求加大訂製	Blade dia.: 145mm 直徑	Up上直徑: φ145mm; Down下長度: 500 mm	Up上直徑: φ145mm; Down下長度: 500 mm	Blade Length: 350mm	Blade Length: 400mm
Blade spec. 切刀規格	Upper passive rolling 上被動	Rolling&moving blade 上移動、被動滾刀	Rolling&moving blade 上移動、被動滾刀	Rolling&moving blade 上移動、被動滾刀	Chopper 攪刀式	Chopper 攪刀式
Blade-upper 上切刀	Bottom active rolling 下主動	Fixed bottom trail 固定下刀	Fixed bottom trail 固定下刀	Fixed bottom trail 固定下刀	Fixed blades 上下固定刀	Fixed blades 上下固定刀
Blade-bottom 下切刀	Round, like Pizza slider 如披薩刀	Round, like Pizza slider 如披薩刀	Round, like Pizza slider 如披薩刀	Round, like Pizza slider 如披薩刀	Straight, like Pork Chopper 直如切肉刀	Straight, like Pork Chopper 直如切肉刀
Blade type 切刀型式	Power Switch 開關	Power Switch 開關	Controlled by foot switch 腳踏板	Controlled by foot switch 腳踏板	Emergency stop button 緊急按鈕	Emergency stop button 緊急按鈕
Operation 使用操作	N/A	N/A	YES	有	N/A	無
Illumination lamp 照明燈						
Features 特點	Simple operation and easy maintenance 操作簡單, 保養容易	Simple operation and easy maintenance 操作簡單, 保養容易	Simple operation and easy maintenance 操作簡單, 保養容易	Conveyor belt :任選輸送帶方向 leftward or rightward (one way) Link to main production line.	Simple operation and easy main 操作容易, 保養簡單	Simple operation and easy main 操作容易, 保養簡單
	Low bending stress 低應力	Low bending stress 低應力	Low bending stress 低應力	Link to main production line.	No bending stress 無應力產生	No bending stress 無應力產生
	No vibration. 無震動	No vibration. 無震動	No vibration. 無震動	Link to main production line.	No vibration. 無震動	No vibration. 無震動



*Please, advise us the drawings of your PCB that you wish to cut in order to provide you the best solution.

歡迎提供即將處理PCB 樣品, 以提供最適解決方案!

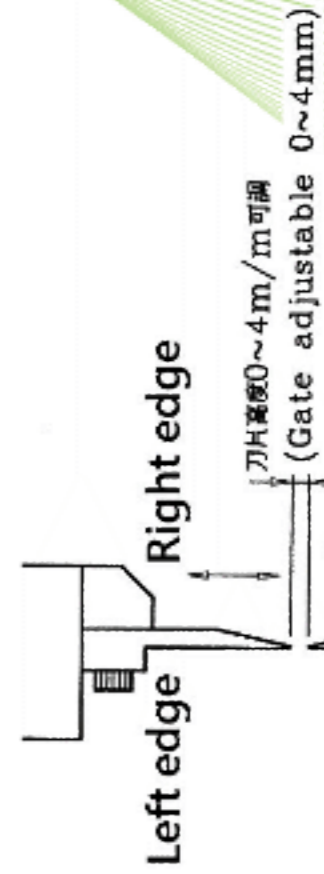
*We can design gauge/jig to hold non-prescored PCB during process.

能夠設計訂製治具來切異形板或是無溝槽PCB

Never try to cut PCB without V-cut

This will damage the knife and PCB/PWB.

請勿試切無V槽之PCB, 切刀和PCB皆會損壞



RT-2100 手動錫膏印刷機

Manual Stencil Printer

尺寸 Dimension: 600×460×120mm

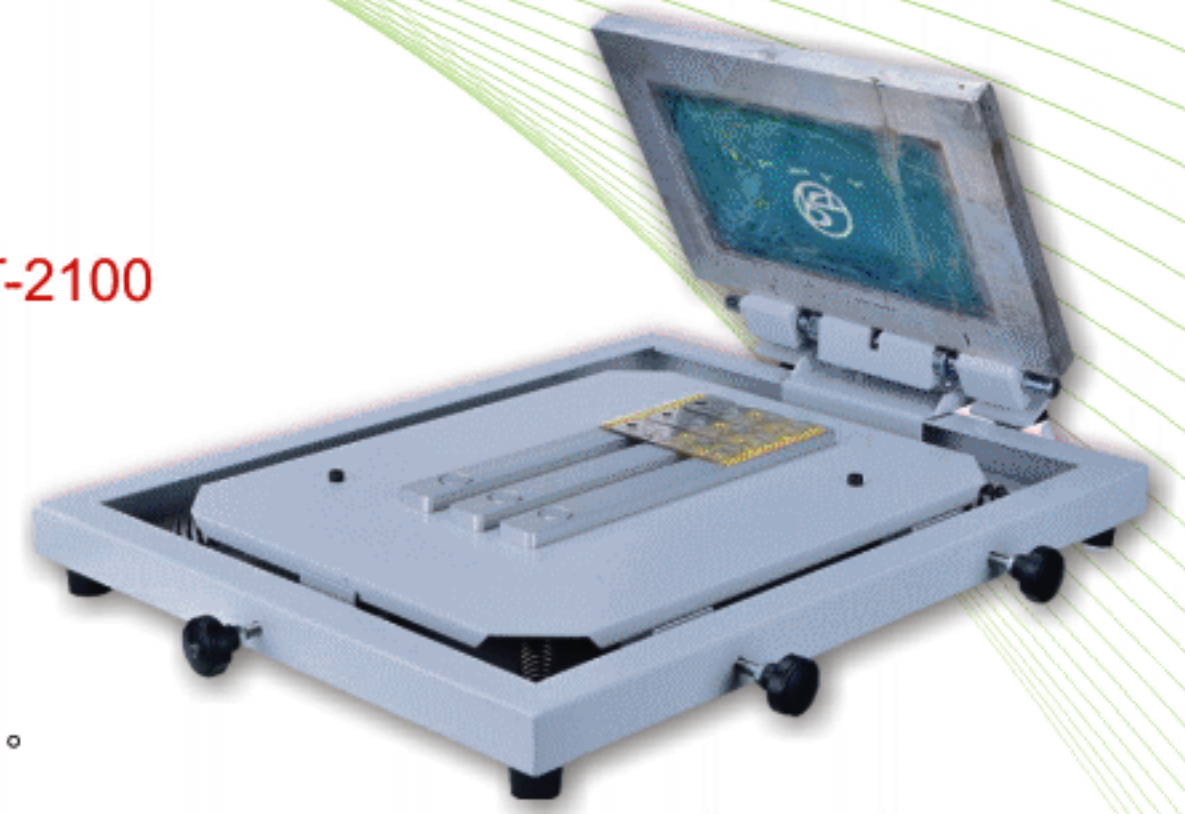
淨重 Net Weight: 16 kgs

最大可用PCB尺寸 MAX. PCB Working Size: 250×350mm

最大可用印刷框架 MAX. Printing Frame: 300x400mm

- 特別適用打樣、試作、設計變更頻繁的少量多樣生產使用。
- 標配附有四個圓柱磁鐵可以支撐PCB四角，迅速且準確移動到印刷位置。印刷網框(不是標配客戶自備)夾持在框架上即可精準對位。
- 標配附有三條長底磁鐵可以穩定支撐大片或軟質PCB，銅柱磁鐵配件亦是標配可適用雙面版印刷。
- RT2100是熱門選擇，有限預算下不犧牲準度且使用簡單方便。
- 機身結構穩固，堅固耐用。
- RT2100 comes with four magnetic tooling pin holders and an assortment of tooling pins, making quick work of PCB setup and changeover. The frame-mounted stencil (not included) swivels into position to meet the PCB. Fine-tunable X, Y and theta axes provide accurate alignment of stencil holes to pads.
- Three magnetic bottom supports are included to provide stability for large or flexible PCBs during the printing process. Its large print area accommodates PCBs to 400x500mm (15.8" x 19.7"). A magnetic fixture kit, also included, is used to print two-sided boards.
- RT2100 is a popular choice for budget-conscious assemblers who don't want to sacrifice precision, dependability and ease of use. Heavy-duty quality build: print weighs 16kgs and measures 600x460x120mm.

RT-2100



STP系列：錫膏印刷機 Stencil Printer

專用於SMT錫膏鋼版、網版印刷。適用精密細小腳距。採用無工具更換，不同規格變更快速又容易。雙面板印刷可以快速更換完成，且非常精密。設定及清除快速。X、Y軸和角度可以調整。

Special for SMT stencil and screen printing. Available for precision, fine pitch and double side printing. Quick set up and remove. X /Y axis and angle are adjustable. Fast change to different boards without tools. Double side printing can be completed and changed quickly and precisely.

STP-450 手動錫膏印刷機

Manual Stencil Printer

適合框架 Available Frame: 20"× 20"(508×508mm)

印刷範圍 Printing Area: 16"× 18"(406×457mm)

PCB板厚度 PCB thickness: 必須大於 >0.8mm

重覆誤差 Repeatability: 0.008mm

刮刀長度 Length of Squeegee: 255mm

機台尺寸 Dimension: 840×920×250mm

機台淨重 Net Weight: 50 kgs

- 精確、自鎖的 X、Y 和 theta 調整雙面板工裝，可提供單面或雙面板。
- 最大 20" x 20" (508 x 508mm) 的可用框架尺寸，必須在框架上鑽螺紋孔/攻牙。
- 印刷範圍為 16" x 18" (406 x 457mm) 較小的範圍可客製。
- PCB厚度必須大於0.8mm。
- 0.0003" 重複性。
- 機身堅固 - 重達 110 磅
- 快速設置、快速清理和易於維護。
- 標配一支 10" 手持橡膠刮刀。
- Precise, self-locking X, Y, and theta adjustments
- Tooling for double-sided boards, single or double side boards are available.
- Available frame's size up to 20" x 20" (508 x 508mm) must be tapped screw holes on the frame.



STP-450



- Printing area is 16" x 18" (406 x 457mm) smaller area is available for customization.
- PCB thickness must be thicker than 0.8mm.
- 0.0003" repeatability.
- Sturdy - weighs 110lbs
- Quick setup, quick cleanup and easy maintenance.
- Handheld squeegee with 10" durometer rubber blades.

STP-550 半自動錫膏印刷機

Semi Automatic Stencil Printer

適合框架 Suitable Frame: 12"x12"to 24"× 24"

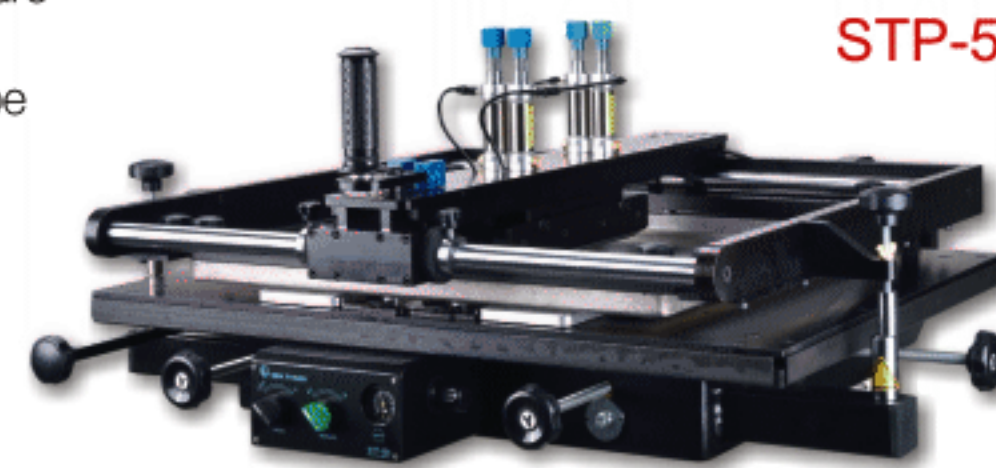
(300mm×300mm to 600×600mm) 鋼板框上須鑽孔

印刷範圍 Printing Area: 14"× 17" (356×430mm) 再小範圍可以客製

PCB板厚度 PCB thickness: 必須大於 >0.8mm。常見1.0/1.2/1.6mm

重覆誤差 Repeatability: 0.008mm

- STP-550：有彈性的、半自動表面黏著錫膏印刷機。包括自動印刷機所應有的功能，特別適合研發、樣品試作及少量多樣的生產使用。專為無鉛錫膏及新式電子零件印刷設計。
- 刮刀裝置：支架有雙氣缸控制鋼刮刀片，保持固定壓力和角度，手握把推向左側，右刮刀即下降刮板印刷。當反向拉回則右刮刀會上升；左刮刀下降，作第二次印刷。由左到右印刷，確保印刷錫膏均勻、錫膏後度穩定。可印刷單面或雙面PCB板
- 底座升降裝置：當印刷完成，推動黃色旋鈕桿，底座機構即平順垂直下降。確保網版與PC板分離時，不會有錫膏沾黏現象，保持板面清潔。適合微小腳距電路印刷。
- 對位裝置：精密X、Y軸調整機構可自由作對位調整。
- 開啟裝置：按鈕式操作，由氣缸自動控制結構穩定的印刷框架開合。
- 免用工具、直覺式調整雙面PC板固定座，可調式向下壓力閥。



STP-550



機台淨重 Net Weight: 60 kgs

刮刀長度 Length of Squeegee : 9" (228mm)

機台尺寸 Dimension: 840×920×250mm

選購刮刀 Optional Squeegee: 12", 14", 16", 17"

- STP-550 provides consistent stencil height and pressure throughout the print stroke. Separate the stencil from the PCB with a true vertical mo.
- Vertical separation is an essential process parameter for ultra-fine pitch solder paste printing. This ergonomically unique design features side-to-side squeegee motion for single or double-sided boards.
- Lower cost, bench top equipment is for the volume that doesn't warrant these costlier systems.
- Vertical separation of stencil from PCB for high-reliability, ultra-fine-pitch printing.
- Dual squeegees with independent pressure controls for bi-directional printing.
- Squeegee holders mounted to linear slides maintain consistent height and pressure throughout the print stroke.
- Ergonomic design with unique side-to-side squeegee motion for maximum operator ease.
- Large work area for PCBs up to 356 mm x 430 mm (14" x 17")
- Accepts stencil frames up to 600 mm x 600 mm (24" x 24")
- Highly precise, heavy-duty design weighs approximately 75 kgs.
- Pneumatically controlled raising and lowering for the printing frame loading/unloading.
- Universal PCB holders and supports for single or double-sided boards.
- Metal and rubber squeegees are included.

SMT系列：貼片機 Pick and Place for small batch and prototype

面臨少量多樣的產能、打樣板和自動機台無法貼特殊料件的困擾嗎？SMT系列是讓您更快能手動上件製作樣板的利器！

When encounter low volume assembly, prototyping, engineering changes, boards with high through-hole parts counts, or odd-shaped parts that can't be placed with your automatic machines, speed up your manual assembly department and increase your product quality with SMT-401 and SMT-402 manual assembly equipment.

SMT-401 SMT半自動貼片機

Semi Automatic SMT Pick and Place Machine

電壓 Power : 110V/60Hz ; 220V/50Hz

淨重 Net Weight: 22 kgs

尺寸 Dimension: 800×720×300mm

氣壓 Air Source: 4~5kgs/ cm²

選購入料器 Feeder: 16set

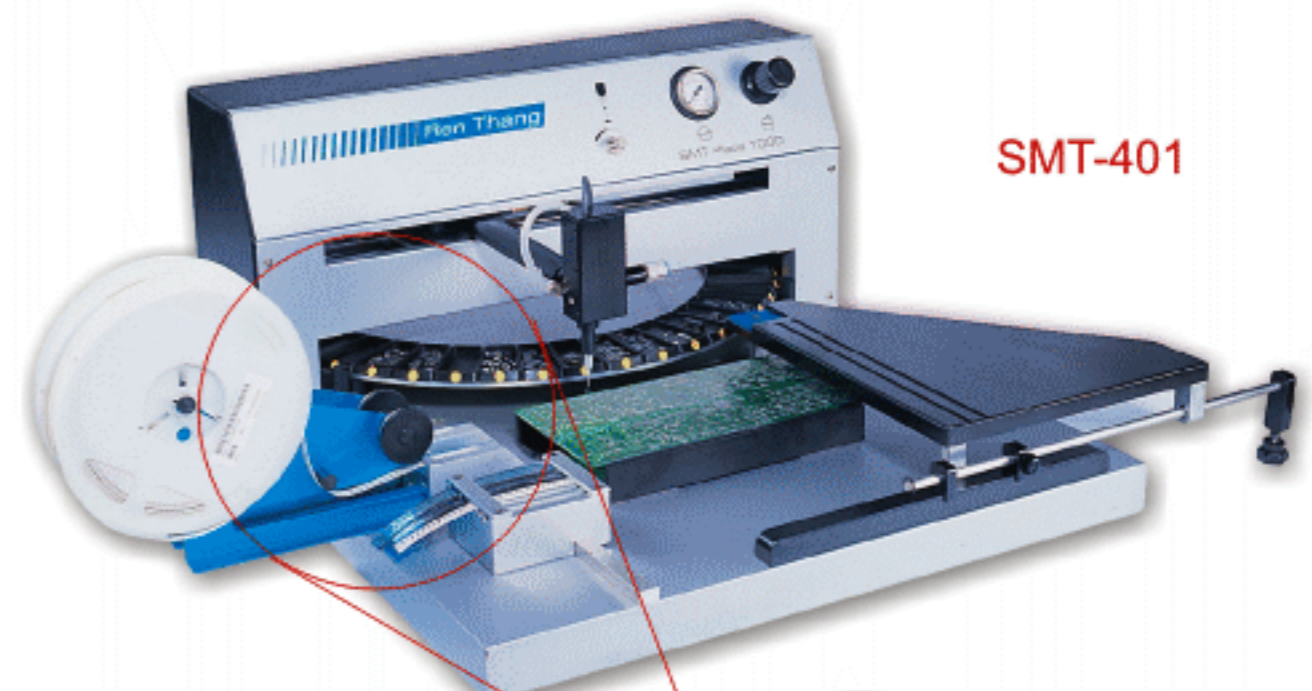
(料架 8/12/16mm feeders; 小型料架stick block)

標配散料盒 Material Box: 45 bins

最大可用PCB尺寸 MAX.PCB Working Size: 250×300mm

產能 Capacity: 20~50pcs/Hour

- 特別適用打樣、試作、設計變更頻繁的少量多樣生產使用。
- 用穩定而快速吸取SMT零件貼合於PCB板上。
- X與Y滑動軸吸取SMT零件放置不會晃動。
- 標配帶壓克力蓋360度旋轉料架，可放置90種不同零件。
- 料帶架座至多可安裝16組8mmSMT捲帶料架，大小料帶皆適合。有8, 12, 16mm尺寸料架和小型料架可選購。
- 真空吸嘴可換大小不同吸取任何大小不同SMT電子零件。
- 多台並聯，只要小額投資就可達到大量生產效益。
- SMT-401 is great for prototype, sample design, especially for small batch/ low-volume diverse assemblies.
- Stably and quickly suck SMT components and place on the PCB.
- Sliding X and Y axes keep SMT components placed stably on PCB.
- Loose parts carousel with cover load 90 kinds of loose components.
- Tape feeder bases hold for up to 16 sets of SMT tape reel feeders. (optional:8/12/16mm feeder and strip block)
- Fast-change sucking nozzle heads rotate 360 degrees and suck different sizes of parts.
- Connect several SMT-401 to increase higher production volume and efficiency on just small investment.



SMT-401



選購料架 Optional Feeders

SMT-402 SMT半自動點膠/貼片機

Semi Automatic SMT Pick and Place with Dispenser

電壓 Power: 110V/60Hz ; 220V/50Hz

尺寸 Dimension: 800×720×300mm

淨重 Net Weight: 22kgs

氣壓 Air Source: 4~5kgs/cm²

選購入料器 Feeder: 16sets

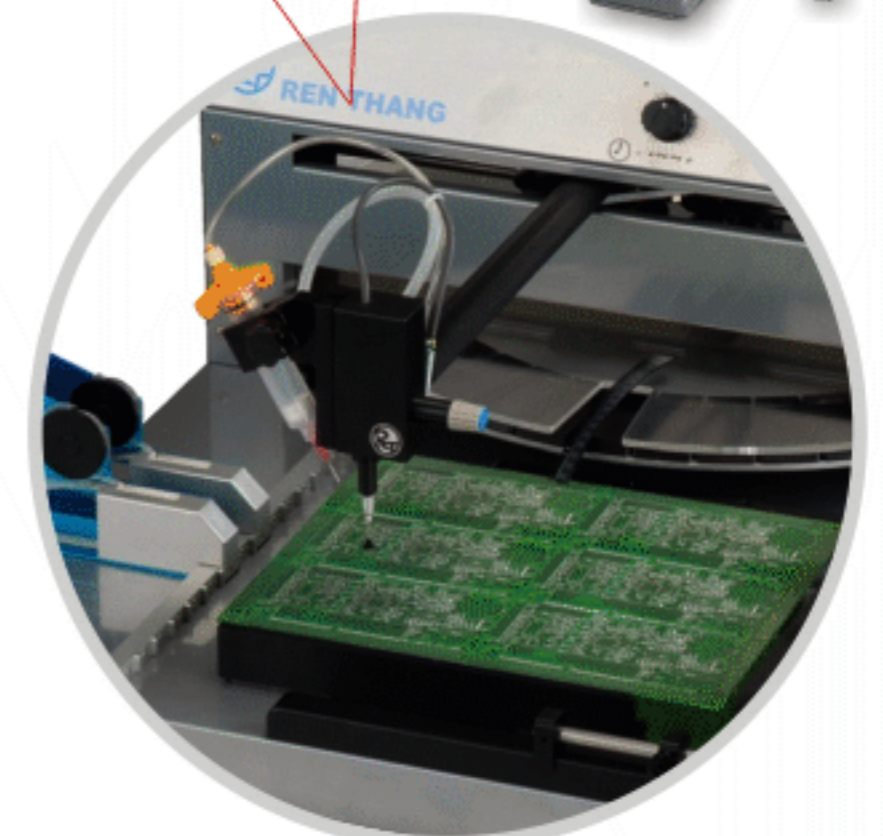
標配散料盒 Material Box: 45bins

最大可用PCB尺寸 MAX. PCB Working Size: 250×300mm

- SMT-402：是一套手動的SMT零件貼合及【點膠】功能二合一產品，它包含自動貼片機所應有的功能，特別適合樣品試作及少量多樣的生產使用。
- 真空取置頭：X與Y滑動軸移動非常輕巧，依人體工學設計，可調整真空吸取器壓力大小，只要以吸嘴碰觸元件，即可容易將元件吸取放置，並360度旋轉對PCB上位置。
- 點膠機：可精準整出膠量，微調膠液濃度、點膠時間、膠液的流量壓力，達到精確點膠。腳踏開關可在手動SMT零件貼合前立即腳踏點膠。點膠功能與貼片功能可組合或分離操作。
- 散裝元料取置槽：360度轉盤上有配置45個取置槽，每個內槽中分雙區C-MOS格，可存放90種不同的散料元件。
- X與Y滑動軸可吸取貼合微小零件。
- 捲帶料架座：可安裝16組8mmSMT捲帶料架(選購配件)，大小料帶皆適合。有8, 12, 16mm尺寸捲帶料架可選購。
- PCB支撐架：用一套L型軌道及支撐柱作為PC板的治具。
- SMT-402 sucks SMT components to dispense (spot glue) and sticks them on PCB. Great for prototype, sample design, especially for small batch/ low-volume diverse assemblies.
- Step on the paddle switch to spot glue SMT components rapidly. Glue density, spotting time, flow pressure and glue volume are adjustable.
- X/Y sliding guides and easy-to-change pick & place nozzles suck and stick tiny parts.
- Dispense (spot glue) can work independently from the pick-and-place function.
- 360° rotatable loose parts carousel holds 90 loose parts.
- Built-in feeder base holds up to 16 sets of optional tape feeders (optional:8/12/16mm feeder and strip block).



SMT-402



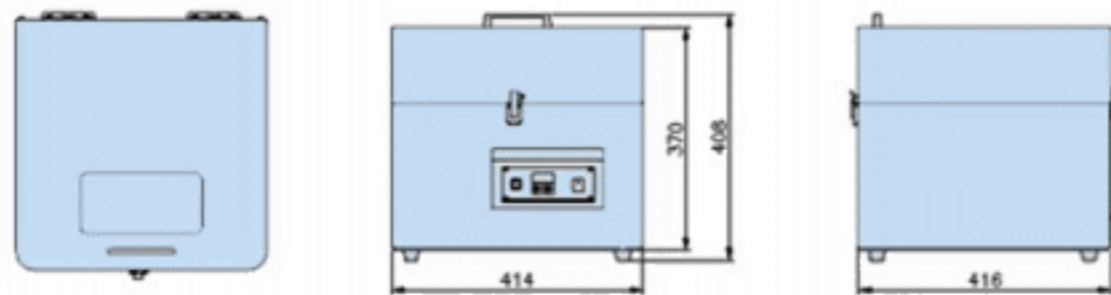
RAM-60 錫膏攪拌機

High-speed Cream Solder Mixer

電壓 Power: 110V/60Hz; 220V/50Hz
 機器尺寸 Dimension: 390 (L) × 390 (W) × 385 (H) mm
 淨重 Net Weight: 45 kgs
 運轉速度 RPM of Spindle: (60HZ)600/150 r.p.m/ (50HZ)500/120 r.p.m
 攪拌時間 Mix Time: 0.1~ 9.9Minute 可調
 工作能力 Capacity: 500g/1000g 同時攪拌兩罐錫膏罐
 運轉噪音 Noise: 極低運轉噪音<35db Lowest

- 標準製程所必須的配備，讓錫膏均勻攪拌。
- 同時擺放2瓶攪拌，完成時用燈光影音通知。
- LED面板顯示及微電腦控制，有時間記憶功能。
- LED數字顯示，燈光閃爍與警聲警告。
- 與空氣隔離的條件下，準確完成錫膏攪拌。
- 萬用治具(範圍φ35-65mm、最長95mm)，適合任何廠牌包裝之錫膏。
- 觸摸式按鍵，攪拌完成自動停車，操作簡易。
- 採電子式計時器，0.1~ 9.5分鐘可自由設定。

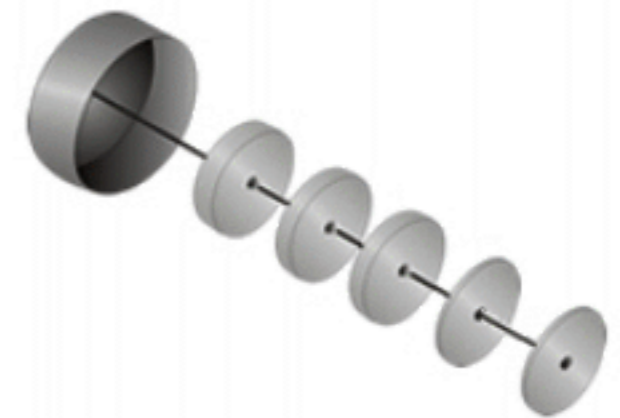
- RMA-60 is the equipment of the standard production process to mix solder cream.
- Solder Mixer uniforms and mixes 2 bottles (500g) at the same time.
- Light and sound inform when the process is finished.
- LED display and microcomputer control have timer and memory.
- Under vacuum conditions, Solder Mixer operates accurately.
- Universal type magazine is available for any brand of solder package.
- Touch button to start, automatically stop when Solder Mixer process is finished.
- Control by electronic counter. Set up from 0.1 to 9.5 minutes.
- Easy operation.



RAM-60

【選購品 Optional Accessory】

- 60E配重器 Balancer
 60E內含零件：60E includes:
 300g × 1 pc
 200g × 1 pc
 100g × 2 pcs
 50g × 2 pcs



XD-1000 微電腦桌上型裁斷機

Programmable Desk-top Strip Cutter

管帶切斷機的應用，在於使剪切的工作進入自動化的階段，經由滾輪進料與裁剪裝置緊密配合，將整卷產品精確裁成所需的長度，於1 - 99,999mm 範圍內任何一長度皆可裁切，不論金屬、塑膠、紙類纖維製品均可使用。

Fully automatic cut the most of strip, tube and wire, such as small cables, flexible tube, heat-shrinkable tube, webbing, paper and other.

Rolling feeder and cutter cooperate with each other precisely, cut into any length within 99,999 mm accurately.

- 切刀材質為SKH-2製成，經久耐用。
- 採用微電腦系統驅動步進馬達送料。
- 長度及速度的調整經由數位面板操作。
- 內建自動計數停機功能。
- 獨立分離的切刀及送料，馬達運轉安靜。
- 適用於套管類、絕緣紙、排線、銅箔或電纜等輕薄材質加工。
- 冷熱切刀皆可。
- CE認證，熱銷全世界!!

- High-quality Alloy steel SKH-2 is used for cutting blade, durable and long life.
- A Micro-Processor controlled stepping motor is installed to program the operation. Fully automatic for batch, reel and individual runs.
- Programmable to cut length and speed control through the panel.
- Built-in counter with the function of automatic counting and pre-stop.
- For cutting operation of various thin materials, such as flexible tube, insulation paper, cables, metal films, copper wire etc.
- With CE certificate and popular in all over the world

型號Model (mm)	XD-1000	XD-2000	XD-3000
最大可切寬度 Max. Cutting Width	60 mm	160 mm	170 mm
最大可切長度 Max. Cutting Length	99999 mm		
最大可切厚度 Max. Cutting Thickness	13		
最大送料速度(秒) Max. Feeding Speed	1250 mm/ sec.		
馬達 Motor	25W		
電壓 Power	100-240V AC, 50/60Hz		
機器尺寸 Dimension (LxWxH)	280x220x270	460x290x290	460x290x290
淨重 Net Weight	21.5 kgs	38 kgs	40 kgs
置料架 Holder	V	V	V
無料停機檢知器 Stop sensor	X	X	V



XD-1000



XD-2000

K-2000 助焊劑自動比重器

Automatic Flux Density Controller

Automatically control the flux density in the wave soldering machine
採比例式全自動控制焊錫爐內助焊劑比重及液位，自動補充松香及稀釋劑。數位式顯示比重值，可做精密按鍵式設定。

Automatically control flux density with ratio control technology,
Supply flux and thinner automatically after set-up. The accuracy is up to ± 0.002 . The best solution for high quality soldering flux.

型號 Model	(mm)	K-2000
比重控制範圍 Range of specific gravity		0.78 - 0.900
比重控制精度 Precision		± 0.002
溫度測量範圍 Temperature range		0 - 50°C
使用周圍溫度 Ambient temp		0 - 40°C
控制方式 Controlling method		時間控制 by time ratio
電壓 Power		220V, 50/60Hz
保險絲 Fuse		2A
尺寸 Dimension		370 x 300 x 130 mm
淨重 Net Weight		10.5 kgs



K-2000

K-2001 助焊劑自動比重器-含濁度指示器

Automatic Flux Density Controller with Turbidity Meter

Additional function to monitor the pollution/turbidity of flux: 0-500 ppm

濁度指示器(Lift Meter): 0 - 500 ppm

- 以比例控制科技全自動補充助焊劑或稀釋劑，精密控制助焊劑比重。
- 數位式顯示比重並可容易由按鈕調整。
- 由補充助焊劑或稀釋劑維持液面並調整設定比重值。
- 濁度監視器可顯示錫錫週期，有助於了解正確更換助錫劑時間以加強產品品質。

- Automatic refill flux or thinner in a ratio-controlling method.
- Digital display for flux density and temperature, set-up by push buttons.
- Flux level is controlled automatically by certain set-up gravity of flux or thinner.
- The flux life meter indicates the purity degree of the flux (Model K-2001). It helps to understand the right time of replacing the flux to ensure product quality.



K-2001

KA-30 比重器 Hydrometer

比重器規格 Hydrometer measures the Flux Density range: 0.800 ~ 0.900

KA-30



KA-40 發泡管 Flux Foaming Element

發泡管規格為 50mm，長度可依客戶需要訂做。

Flux foaming element diameter: 50mm

The length of foaming tubes is customized upon the user's need.

KA-40



SP 焊錫爐 Automatic Thermal Control Soldering Pot

分離式自動控溫，控溫精確。

Automatic thermal control in the separated design.

High quality with efficient performance.

型號 Model No.	瓦特數(kW) Consumption	尺寸(mm) Dimension	錫容量(Kgs) Weight
SP1015S1	0.6 x 1	100 x 150 x 70	6.6
SP1520S1	0.9 x 1	150 x 200 x 70	13.2
SP2030S1	1 x 2	200 x 300 x 70	26.4
SP3040S1	1.3 x 3	300 x 400 x 70	52.8
SP3045S1	1.5 x 3	300 x 450 x 70	56.4
SP3047S1	1.5 x 1	300 x 470 x 70	62
SP3050S1	1.5 x 3	300 x 500 x 70	66
SP4050S1	1.6 x 4	400 x 500 x 70	66
SP4060S1	1.6 x 4	400 x 600 x 70	105.6



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PCB Assembly Equipment(DIP/SMT) Lead Wire Forming/
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