

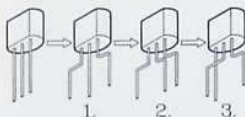
電晶體自動成型機

Automatic Transistor Forming Machine

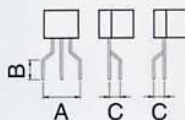
Power: 110V/220V AC 50/60 Hz
Dimension: 1050L x 600W x 900H mm
Weight: 140kgs



- 採平面震動送料方式進料。
- 分割器定位、穩定性高。
- 不良率降至最低點，成型時不用換模具。
- Customized mold. Tailor make for customer's specification.
- Five pallet stations are suitable for mass production.
- Automatic feeding system is equipped with an automatic Bowl feeder and with a linear feeder controlled by photoelectric sensor.



A	二腳分開	5
B	三腳切斷	3.6
C	中間腳前、後	2.5



YF-900



功率晶體成型機

Power Transistor Lead Former

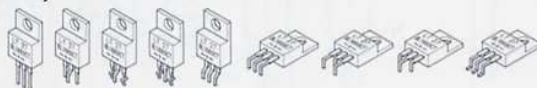
Dimensions of the basic machine:
460mm (L), 360mm(W), 340mm(H)
Weight: 29Kgs

Power: 110V/220V AC 50/60 HZ

Performance: Max 6,000 comp./h



- 適用於管裝之功率晶體。
- 外形類似之電子零件也能適用。
- 用模具做不同形狀之變化。
- 抽換式模具，更換迅速容易。
- 操作及保養容易，不需太多的訓練。
- 成型速度可無段式調速。
- 加裝震動送料盤即可成型散裝零件。
- Suitable for stick packed power transistors or similar components.
- Tooling set is changeable for various kinds of forms.
- Easy maintenance and simple operation.
- Forming speed is adjustable.



RT-500



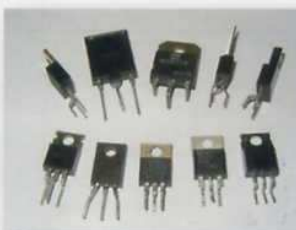
功率晶體成型機

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- 加裝震動送料盤即可成型散裝零件。
- Suitable for stick packed power transistors or similar components.
- Tooling set is changeable for various kinds of forms.
- Easy maintenance and simple operation.
- Forming speed is adjustable.

RT-600





散裝電容成型機

Loose Type Radial Forming Machine.

Power : AC 220V 50 / 60HZ

Dimension : 860 x 1370 x 1500mm

Weight : 350KGS

Air pressure : 4 ~ 5Kg / cm²

Capacity : 40~150pcs / Minute

三種機型 Three Models :

可處理直徑 ϕ 4mm~ ϕ 20mm之零件

CF-408 Former- ϕ 4~ ϕ 8mm

CF-1013 Former- ϕ 10~ ϕ 13mm

CF-1620 Former- ϕ 16~ ϕ 20mm

成型腳距 : 2.5~25mm皆可適用

自動功能 : 入料、夾料、成型、切腳、完成退料
全自動化連續作業，一次完成

成型範圍 : 原材料只要能由送料機，排列入料，
本機就能自動成型，功能很強

成型樣式 : 直線，內彎，外彎，前後彎，成型90度
如有特殊形狀，可按圖或照樣品製作

自動送料機 : CF-0408使用單型盤

CF-1013&CF-1620使用子母盤送料

傳動機構 : 使用凸輪及汽缸搭配，精確穩定耐用
零件、模具標準化，更換容易

電控系統 : 電腦化操作簡易功能強，無段變頻調速
功能設定 : 成品自動計數，可直接包裝

Forming pitch : 2.5~25mm available

Functions : Feeding、holding、forming、cutting.
Finish and retreat all material
automatically in one time.
Only need to send material in line
through Feeder. And the component
could be formed automatically, so
it is powerful machine.

Forming type : Straight, kinking inside, kinking
outward, kinking opposable, 90
degree forming. Special type could
be arranged by drawing or sample.

Feeder : CF-0408 uses single feeder..

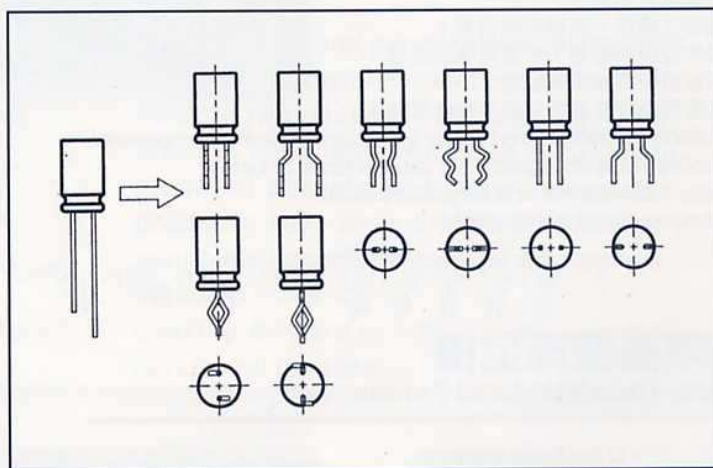
CF-1013 & CF-1620 use twin feeder

Transmission : Using cam and cylinder operation.
Accurately, stably and durably
spare standardized parts. Easy to
change.

Electronic system : Easy to operate computerized and
powerful function. Speed control can
change frequently without any step.

Function set up: Automatical production counting.
Directly pack.

CF-408
CF-1013
CF-1620



散裝電容剪腳機

Loose Radial Lead Cutter

Power: 110V/220V AC 50/60Hz

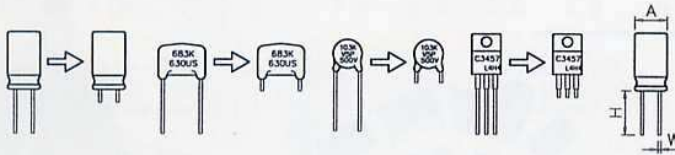
Dimension: 500mm (L), 430mm(W), 470mm(H)

Weight: 27 Kgs

- 採平面送料，大小零件皆適用，可加裝自動送料盤。
- 特殊切斷法，刀具壽命長。
- 光纖計數，設定準確(計數器屬選配)
- 調整簡單，操作簡便，保養容易。
- Linear feeder accommodates all size of parts.
- Easily adjust lead length.
- Process up to 9,000 pieces per hour.
- Easy maintenance and simple operation.

單位: m/m

A	本體長度 Body length	3~25
H	腳長 Lead length	3~20
W	線徑 Wiring	0.4~2.0
	加工量 Capacity	150PCS/Min



自動散裝電容剪腳機

Automatic Loose Radial Lead Cutter

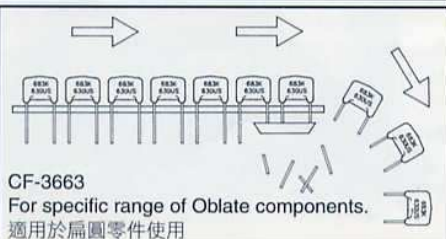
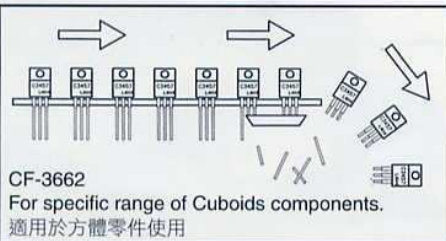
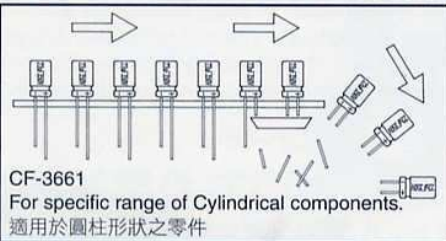
Power: 110V/60HZ or 220V/50HZ

Dimension: 1150mm (L), 700mm(W), 1050mm(H)

Weight: 145 Kgs

Capability: 18,000pcs/Per hour

- 適合大量生產、短腳作業的最佳輔助設備。
- 切腳機組與振動送料機組可分開或合併使用。
- 有下列功能之各種型號。
- It's the best selection for mass production in short lead operation.
- The Automatic bowl feeder is independent that can be separated.
- The modes are listed for reference as bellow.



CF-3661
CF-3662
CF-3663

型號Mode:
Single Function單一零件功能



CF-366

Multifunction多功能-
CF-366 = CF-3661+CF-3662+CF-3663





帶裝立式零件成型機

Auto Taped Radial Lead Former / Cutter

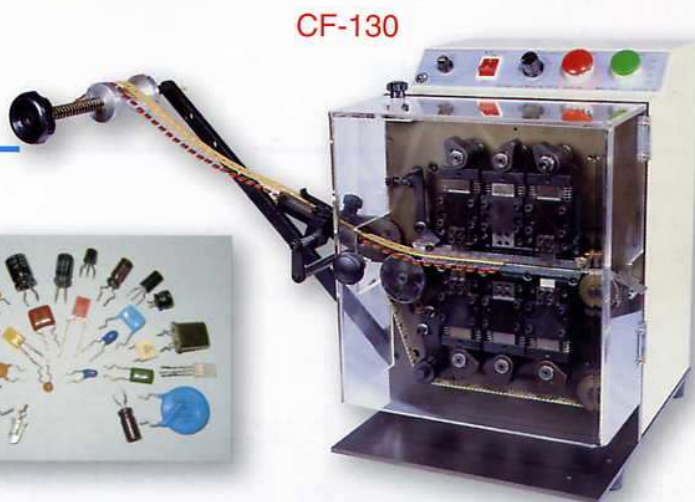
Power: 110/220 V AC 50/60Hz

Dimension: 450mm (L), 400mm(W), 500mm(H)

Weight: 22 Kgs

Capacity: 7,200 pieces /Hour Max.

- 適用各種帶裝零件。
- 可成型切腳，或可只切腳。
- 成型式樣可依客戶要求製作。
- 速度可調，全自動供料。
- Suitable for various types of radial components.
- Forming tools are easy to changeover.
- Easy and simple operation.



CF-130

散裝電容剪腳機

Loose Radial Lead Cutter

Power: 110/220 V AC 50/60Hz

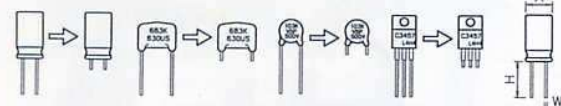
Dimension: 260mm (L), 260mm(W), 400mm(H)

Weight: 10 Kgs

- 採平面送料，大小零件皆適用，可加裝自動送料盤。
- 特殊切斷法，刀具壽命長。
- 調整簡單，操作簡便，保養容易。
- Linear feeder accommodates all size of parts.
- Easily adjust for lead length.
- Process up to 9,000 pieces per hour.
- Easy maintenance and simple operation.



CF-150



單位 m/m		
A	本體長度 Body length	3~25
H	腳長 Lead length	3~20
W	線徑 Wiring	0.4~2.0
	加工量 Capacity	150PCS/Min

自動散裝電容切腳機

Automatic Loose Radial Lead Cutter

- 本機採用子母盤送料，只要電子零件能站立著皆可使用。
- 適用零件如電解電容、電晶體、功率晶體、LED、塑膠電容、陶瓷電容等其他零件之剪腳。
- 更換規格簡單快速，子盤單價低廉。
- 本機可配合無限量的子盤使用。
- 大量生產或少量多樣皆適合，為短腳作業最佳輔助設備。
- 每台附三個子盤供客戶選用，訂購本機時需要提供樣品，以利子盤製作。

- The Template bowl feeder is equipped.
- Available for processing components that can be stood up in the rail of the machine, easy adjustment with high efficiency.
- Suitable for processing FC, LED, Transister, Milar/Ceramic.
- Capacitor and various kinds of the components. Economical for optional template.
- Short preparation time with simple and easy dimension adjustment and interchange.
- Three(3) sizes of templates are equipped. Working samples are requested on ordering.
- Unlimited templates can be used with flexible range selection.
- Suitable to use in mass production or in flexible application.
- The best supporting equipment in short lead soldering process.

電壓	Power	110/220V, 50/60HZ
淨重	Net Weight	160 Kgs
機器尺寸	Dimension	1050(L)x1000(W)x1000(H)
腳長	Lead Length	3mm-20mm可調Adjustable
加工量	Capacity for dia. ϕ 4- ϕ 8	350pcs/Minute
加工量	Capacity for dia. ϕ 8- ϕ 10	200pcs/Minute
加工量	Capacity for dia. ϕ 13- ϕ 16	120pcs/Minute



CF-368



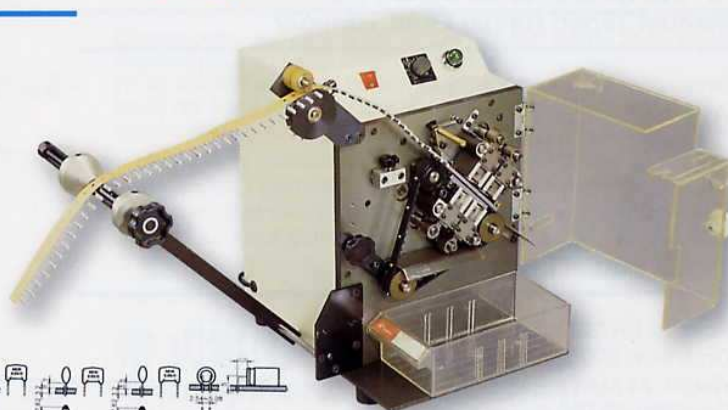
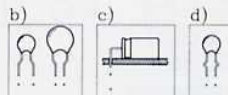
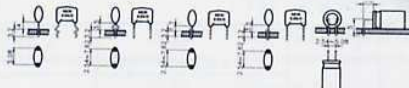
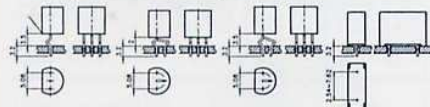
帶裝立式零件成型機

Auto Taped Radial Lead Former / Cutter

CF-120

Power: 110/220 V AC 50/60Hz
Dimension: 450mm (L), 400mm(W), 500mm(H)
Weight: 24 Kgs
Capability: 7,200 pieces /Hour Max.

- 適用各種帶裝零件。
- 可成型切腳, 或可只切腳。
- 成型式樣可依客戶要求製作。
- 速度可調, 全自動供料。
- Suitable for various types of radial components.
- Forming tools are easy to changeover.
- Easy and simple operation.



氣動式零件成型機

Pneumatic Forming Machine (Two direction loose radial forming/cutting)

Dimension: L420 x W300 x H200 mm
Weight: 8kgs
Air Source: 5kgs/cm2

- 晶體、電容、電阻等各種零件均可加工彎腳, 可配合多種型式模具。
- 成型切腳一次完成方便作業。
- 體積小, 模具更換容易。
- 本機型配備一組模具, 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。
- Customized model, driven by air with Twin Air-Cylinder, is flexible for small and medium lots of components.
- Suitable for various types of Radial Lead Components, such as Crystal, Capacitor, Resistor, incorporated with tool.
- Forming and cutting operation in one step.
- Compact design and convenience to exchange tool.

AR-106



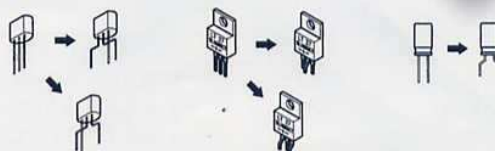
氣動式零件成型機

Pneumatic Forming Machine (One direction loose radial forming/cutting)

Dimension: L420 x W300 x H200 mm
Weight: 8kgs
Air Source: 5kgs/cm2

- 晶體、電容、電阻等各種零件均可加工彎腳, 可配合多種型式模具。
- 成型切腳一次完成方便作業。
- 體積小, 模具更換容易。
- 本機型配備一組模具, 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。
- Customized model, driven by air with single Air-Cylinder, flexible for small and medium lots of components.
- Suitable for various types of Radial Lead Components, such as Crystal, Capacitor, Resistor, incorporated with tool.
- Forming and cutting operation in one step.
- Compact design and convenience to exchange tool.

AR-108





手搖帶式電容裁斷機

Manual Taped Radial Lead Trimmer

Dimension: 430(L), 320(W), 320(H)mm

Weight: 17 kgs

Capability: 25,000 pcs/hr (Manual)

帶式電容裁斷機

Taped Radial Lead Trimmer

Power: 110V/220V AC, 60/50HZ

Dimension: 520(L), 380(W), 300(H) mm

Weight: 24 Kgs

Capability: 60,000 pieces /Hour

· 帶式單邊電阻、電容、晶體，電子零件切斷專用機。

· 適用卷裝、盒裝材料。

· 體積小、切斷尺寸精確，適合短腳作業。

· 馬達可無段變速、無噪音。

· For cutting taped radial Resistor, Capacitor, Crystal and similar components.

· Suitable for roller or box packed components.

· Compact, suitable for short lead operation with precise dimension control.

· Noiseless, high performance motor with adjustable speed.

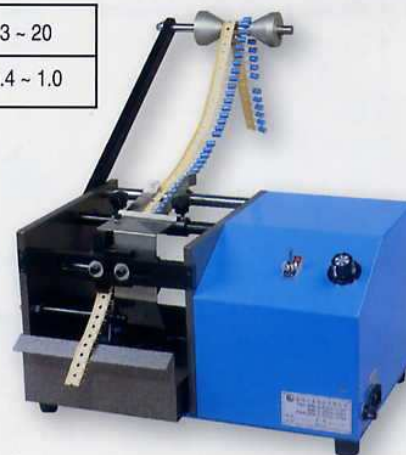


L	腳長 Lead Length	3 ~ 20
W	線徑 Wire	0.4 ~ 1.0

HCF-101



CF-101



手搖式裁斷機 , 自動帶式電容裁斷機

Hand-crank and Motorized Radial Component Cutting Machine

· 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，此機種有適用於：

Dimension: 380(L) x 180(W) x 210(H)mm

Net Weight: 6 kgs

Production Rate: 25,000 pcs/hr

Unit : mm

	標準型Standard			特殊型Special		
型號Model	RT-70 / RT-79			RT-70S / RT-79S		
尺寸Size	L	d	A	L	d	A
最小Min	2	0.3	12.7	2	0.3	15
最大Max	10	1.2	12.7	10	1.2	15

RT-7x series of high-speed motorized and hand-crank radial lead cutters offer easy, no tooling required set-up. These machines neither score or damage component leads nor lace 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 from 0.3 mm to 1.2 mm.

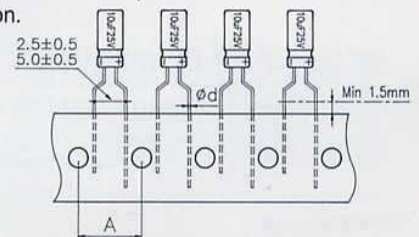
· Independent rotary disc cutters extend longer cutting life.

· Won't score or damage leads or components.

· Heavy duty construction.

· Easy maintenance.

· Simple operation.



RT-79
RT-79S



RT-70
RT-70S

RT-8X 延伸系列 電阻切腳成型機 -- 可依需求擴充設備功能

RT-8X Series Lead Formers--Rugged axial lead formers with rotary disc cutters offer no-tools-required setups and changeovers

- 高級模具從單一到自動化，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。

特性：

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

依需求功能本機型包括：

- 標準型 standard
- 專用型 (S) slim lead (S type)

手搖帶式電阻成型機

Hand-crank Taped Axial Lead Former

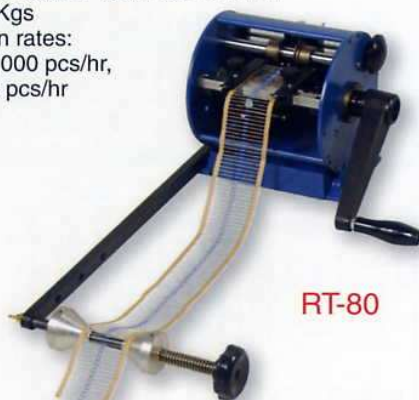
Dimension: 380L x 180W x 210H mm

Weight: 8Kgs

Production rates:

Taped 60,000 pcs/hr,

loose 800 pcs/hr



RT-80



Changeovers and setups are simple and fast thanks to no tooling required pitch and lead length adjustments.

RT-8X series of axial lead formers neither score or damage component leads nor place mechanical stress or axial tension on the components.

- Heavy duty construction, fully adjustable for lead space, lead length, part diameter and shoulder length.
- Independent rotary disc cutters for longer cutting life.
- Won't score or damage leads or components.

- 加強型 (W) heavy duty (W type)
- 直立型 (F) vertical forming (F type)

帶式電阻成型機

Motorized Taped Axial Lead Former

Power: 110V/220V AC.60/50Hz

Dimension: 470L x 180W x 235H mm

Weight: 15Kgs

Production rates: Taped 50,000 pcs/hr



RT-82

型號	Model	A	B	C	W	D	H	P	R
RT-80	RT-82	6-40	3.6-15	1.2 (Min)	0.35- 0.8	1.5-8			
RT-80S	RT-82S	5-40	3.6-15	0.6 (Min)	0.35- 0.8	1.5-8			
	RT-82W	6-40	3.6-15	1.2 (Min)	0.35- 1.5	1.5-8			
RT-80F	RT-82F	3.6-18	2.5-12	3.5 (Min)	0.35- 0.8	1.5-6	25 Max	2.5-13.5	1-3

散裝及帶式電阻成型機

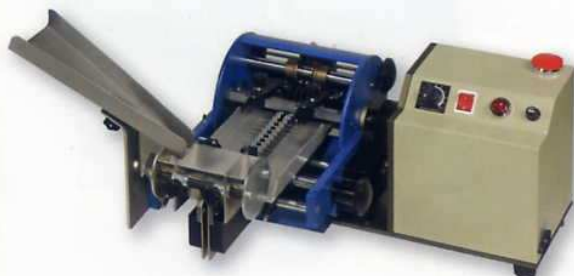
Motorized Taped and Loose Axial Lead Former

Power:110V/220V AC.60/50Hz

Dimensions:470L x 500W x 235H mm

Weight: 28Kgs

Production rates:Taped 43,000 pcs/hr, loose 7,200 pcs/hr



RT-86

電阻成型機

Motorized Taped and Loose Axial Lead Former with Bowl Feeder

Power:110V/220V AC.60/50Hz

Dimension:600(L) x 590(W)x440(H)

Weight:60kgs

Production rates:Taped 40,000 pcs/hr, loose 9,000 pcs/hr



RT-90

型號	Model	A	B	C	W	D	H	P	R
RT-86	RT-90	6-40	3.5-10	1.2 (Min)	0.35- 0.8	1.5-8			
RT-86S	RT-90S	5-40	3.5-10	0.6 (Min)	0.35- 0.8	1.5-8			
RT-86W	RT-90W	6-40	3.5-10	1.2 (Min)	0.35- 1.5	1.5-8			
RT-86F	RT-90F	3.6-18	2-12	3 (Min)	0.35- 0.8	1.5-6	25 Max	2.5-13.5	1-3



電阻成型機—M及C型

Axial Lead Former M&C Type

- Power: 110/220 V AC. 60/50HZ
- Dimension: 1050(L), 600(W), 650(H)mm
- Weight: 115 Kgs.
- RF-101-M、RF-101-C 適用於帶式及散裝零件
For both Loose and tape packed components.
- RF-101-MA、RF-101-CA 適用於散裝零件
For loose packed components only
- RF-101-MB、RF-101-CB 適用於帶式零件
For taped packed components only.



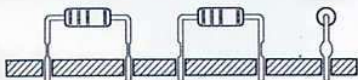
RF-101-M 圖示



RF-101-MA
RF-101-CA



RF-101-MB
RF-101-CB



打扁架高 Smarshing RF-101-C 圖示

RF-101-M
RF-101-C



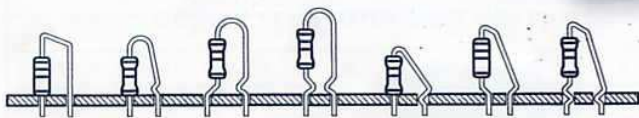
單位mm

	A	本體長度	3.8~20
	B	本體大小	2.3~8
	C	肩 距	1.2(Min)
	D	高 度	8
	E	腳 長	可 調
	S	支持點	2~3
	L	兩腳寬度	A+2C
	W	線 徑	ø0.4~ø1.3
	Model RF-101M	加工量	110PCS/Min

電阻成型機—F型

Axial Lead Vertical Mount Former F Type

- Power: 110/220 V AC. 60/50HZ
- Dimension: 1050(L), 600(W), 650 (H) mm
- Weight: 100 Kgs.
- RF-101-F 適用於帶式及散裝零件。
For both Loose and tape packed components.
- RF-101-FA 適用於散裝零件。
For loose packed components only
- RF-101-FB 適用於帶式零件。
For taped packed components only.



RF-101-F 圖示



RF-101-FA



RF-101-FB

RF-101-F



單位mm

	A	本體長度	3.8~20
	B	本體大小	2.3~8
	C	肩 高	1.2(Min)
	D	兩腳寬度	5(Min)
	E	腳 長	可 調
	W	線 徑	ø0.4~ø1.3
	Model RF-101F	加工量	110PCS/Min

電阻成型加工機-U型

Loose Axial Lead Former-U Type

Power: 110/220 V AC. 60/50HZ
Dimension: 1000(L), 450(W), 650 (H)mm
Weight: 72 Kgs.

- 適合大量生產。
- 各種電阻、二極體皆可使用。適用於各種碳膜固定電阻，金屬膜電阻和各種二極體之切斷、彎腳成型，任何形狀皆可代為設計加工，為目前國內最優良的電阻成型機。
- It's best selection for mass production.
- Automatic and easily adjustable.
- Suitable for various types of Axial lead components.



RF-101-U



單位m/m

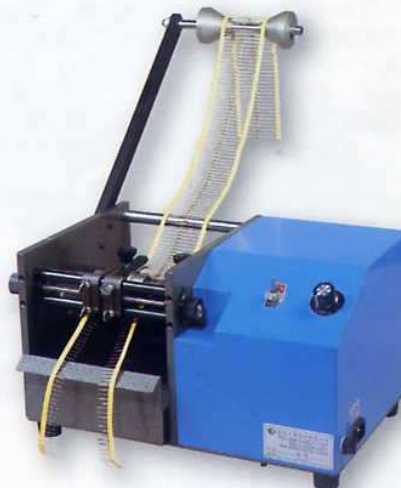
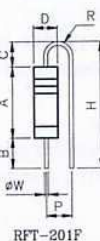
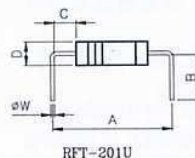
A	本體長度	3.8~20
C	肩距	1.2(1可能)
D	本體大小	2.3~6
H	腳長	3.6m/m(Min)
W	線徑	0.35~0.1(0.13可能)
L	兩腳寬度	5~25m/m
Model RF-101U	加工量	250/360 PCS/Min

帶式電阻成型機

Tapped Axial Lead Former

- Power: 110/220 V AC. 60/50HZ
- Dimension: 520(L), 380(Width), 300(H)mm
- Weight: 24 Kgs. For taped packed components.

Models	HRFT-301S RFT-201S	RFT-201U HRFT-301U	RFT-201W	RFT-201F HRFT-301F
A	5-40 mm	6-40 mm	6-40 mm	4-18 mm
B	3.6-15 mm	3.6-15 mm	3.6-15 mm	2-8 mm
C	0.6 Min	1.2 Min	1.2 Min	4 Min
D	1.5-8 mm	1.5-8 mm	1.5-8 mm	1.5-8 mm
H				
W	φ0.35-φ0.8	φ0.35-φ0.8	φ0.35-φ1.3	φ0.35-φ0.8
P				2.5-13.5
	專用型	標準型	加強型	直立型
Capacity	40000pcs/H	40000pcs/H	40000pcs/H	25000pcs/H
	slim lead	standard	heavy duty	vertical

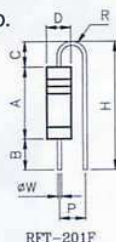
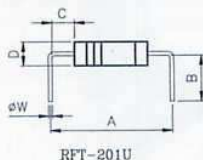


手搖帶式電阻成型機

Manual Tapped Axial Lead Former

Dimension: 430L x 300W x 280H m/m
Weight: 8kgs
Capacity: 25,000pcs/ hr

- 保養容易，操作方便，不受空間限制。
Easy maintenance, simple operation, and suitable to use on limited space.
- 對電阻及二極體之切斷及折彎加工能力強。
Excellent cutting or bending performance for resistors and diodes.
- 每小時量可達40000-60000個零件。
The production capacity is up to 60000 pcs/hr.
- 經濟性高不受外來因素影響(如停電)。
Without electronic power, low capital investment.
- 可安裝、夾於桌面上
Can be installed on a bench top.



RFT-201U RFT-201F RFT-201S



HRFT-301U
HRFT-301S
HRFT-301F



帶式電阻轉換機

Taped Resistor Transforming Machine

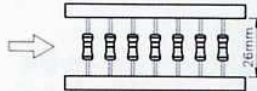
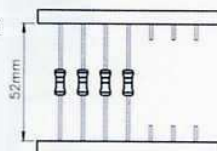
Dimension: 700mm (L), 500mm(W), 10800mm(H)

Weight: 70 Kgs

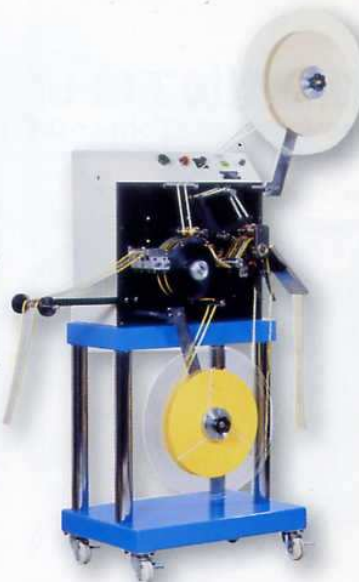
Power Supply: 110V/220V AC 60HZ/50HZ

Performance: Max 60,000 PCS/H

- 可增加自動插件機排列數量。
- 適用各類電阻、二級體。
- 先貼帶，再剪帶，穩定性好。
- 操作簡單。
- Improving productivity of automatic inserting machine.
- Applicable to various types of Resistors and Diodes.
- With the function to stick first, then cut the tape, so get more stability than ever.
- Easy Maintenance and operation.



YF-930



拆帶機

Tape Remove Machine

Power : AC 110 / 220 V 50 / 60HZ

Dimension : 250 x 400 x 270mm

Weight : 15KGS

Capacity : 750pcs/Minute

- 可將已經貼好之帶式電阻、二極體的紙帶拆除。
- 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。
- 如切腳、成型、立式貼帶等案例：3A、5A 帶式二極體成型立式，線長不足時就必須，拆除兩旁紙帶後再成型

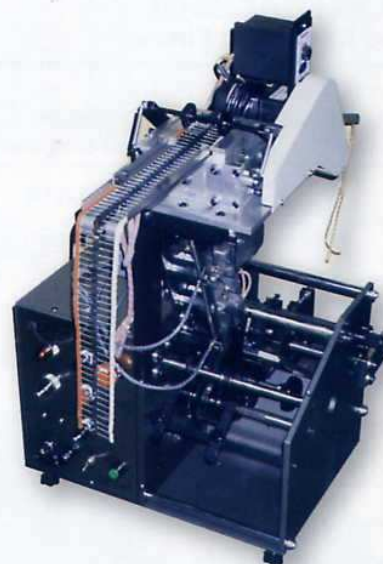
This machine can remove the paper tape which is fixed both sides of resistor, diode component lead. Using the tension of rotating mechanism to remove the paper tape from the both sides of the components lead. It can still keep axial lead straight as usual.

YF-730 can be operated individually or connect with loose type material feeder into the next automatic production process, such as lead cutting, forming, vertical taping.

Case: 3A, 5A diode in taped vertical type forming.

While the lead length is not enough, it has to remove the paper tape from the both sides of the lead first and then form the lead.

YF-730



自動貼帶跳線機

Auto Taping Jumper Wire Machine

電壓Voltage: 依使用的國家，不同特別配置。

It depends on the different usages in each country.

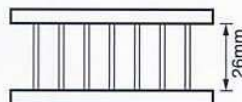
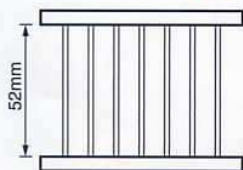
Capacity: 302 - 600 PCS/MIN

Dimension: L103 x W85 x H133m/m

Band Spec: 52MM, 42MM, 26MM

Wooden Case: L1000 x W700 x H1400m/m/1 set

- 可同時成型及自動貼帶。
- 此機種有計數的功能，成型及貼帶的速度可調。
- 膠帶或紙帶用盡時，會自動停機。
- 容易操作和維修。
- 低噪音。
- 下料供給輪、下料片、包裝交接盤可調整。
- Forming and auto-taping at the same time.
- With counter and adjustable speed control.
- Finishing paper or plastic tapes, it will stop automatically.
- Easy maintenance, simple operation and low noisy.



JF-93030



跳線成型機

Jumper Wire Forming Machine

Speed : 7500/H

Power : 110V/220V AC. 60HZ/50HZ

Dimension: L440 x W440 x H570m/m

Weight: 37 Kgs

- 整卷線材全自動送料、切斷無須人操作。
- 採用碳化鎢模具壽命長。
- 不須變換模具, 即可將 L 從5~42mm隨意調整。
- 體積小、輕便、耗電少、價格低廉。
- 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。
- Automatic material feeding system. Fully automatic without man-power.
- Using Tungsten Carbide Mold to assure durable and long life.
- Easy to adjust Length from 5-42mm without changing mold. (2.5-42mm is Possible for custom order)
- Special feeding system without damaging the wire. Easy adjustment and maintenance.
- 腳長(H)固定, 訂購時請指明。
The Lead length (H) is fixed. Kindly specify the requirement when ordering.
- 腳寬(L)要達到2.5~42mm者, 訂購時請指明。
If need the Lead width (L) in 2.5-42mm, kindly specify the requirement in order.

JF-600



H	腳長 Lead length	3,5,8m/m
L	腳寬 Lead width	5~42m/m
W	線徑 Wire	0.6~0.7m/m

無廢料跳線成型機

Jumper Wire Forming Machine (No Waste, One Lead Length Adjustable)

Speed : 7500/H

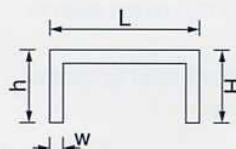
Power : A110V/220V AC. 60HZ/50HZ

Dimension: L800 x W400 x H600m/m

Weight: 44 Kgs

- 無廢料產生, 腳長(h)可調。
- 整卷線材全自動送料、切斷無須人操作。
- 採用碳化鎢模具壽命長。
- 安全停車裝置。
- 定量停車裝置。
- 電子計數字幕顯示。
- 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。
- 腳長(H)固定, 訂購時請指明。
- No waste material.
- Emergency stop device is installed.
- With Quantity pre-set device.
- LED Display for Counting.

JF760



h	腳長	Lead Length	0 - 12 m/m
H	腳長	Lead Length	3 · 5 · 8 m/m
L	腳寬	Lead Width	5 - 30 m/m
W	線徑	Wire	0.6 - 0.7 m/m

跳線成型機(無廢料)

Jumper Wire Forming Machine

Speed : 7500/H

Power : 110V/220V AC. 60HZ/50HZ

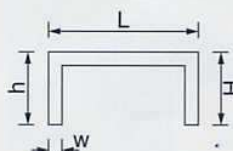
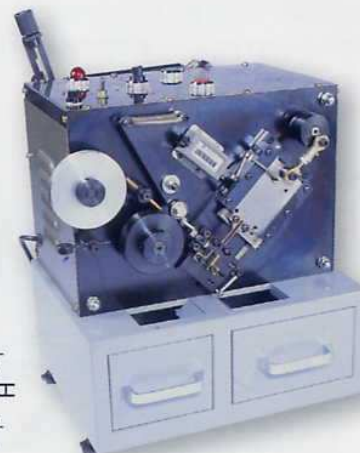
Dimension: L440 x W440 x H570mm

Weight: 37 Kgs

- 整卷線材全自動送料、切斷無須人操作。
- 不須變換模具, 即可將 L 從2.5/5~35mm隨意調整。
- 體積小、輕便、耗電少、價格低廉、回收快。
- 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。
- Automatic material feeding system. Fully automatic without man-power.
- Easy to adjust Length from 2.5/5-35mm without changing mold.
- Special feeding system won't damage the wire. Easy adjustment and maintenance.

h	腳長	Lead Length	0 - 12 m/m
H	腳長	Lead Length	3 · 5 · 8 m/m
L	腳寬	Lead Width	5 - 35 m/m
W	線徑	Wire	0.6 - 0.7 m/m

JF600X





PCB V 槽折板機

Pre-scored PCB Depaneling Machine

Power : 110V/220V, 50/60HZ

Dimension : (L)430 x (W)430 x (H)520

Weight : 36Kgs

PCB thickness range : 0.8-2.0mm

- 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。
- 滾刀順行於V槽，將板分離。
- 滾刀輪軸速度可調整。
- 可調整之導片裝置，可依PCB的厚度作微調。
- PCB最寬可折160mm，長度無限制。
- Separating the V-cut panel boards in the principle of non-bending stress.
- The knives are adjustable both in axial and radial directions.
- The round knives separate the board within the V-groove.
- Slightly adjust according to PCB thickness.
- The depaneling maximum of PCB width is 160mm, the PCB length is unlimited

NTG-520N



PC板V槽折板機 - 閘刀式折板機

Pre-scored PCB Depaneling Machine-Chopper Type

Air source : Compressed air 5kg/cm2

Dimension : (L)720 x (W)500 x (H)1070 mm

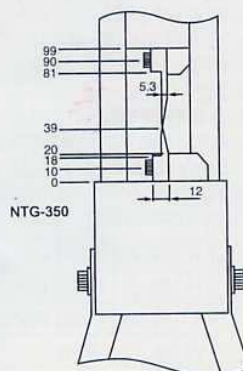
Weight : 190Kgs

Knife length : 350mm

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。
- The PCB with sensitive SMD capacitor or thin board even to 0.3mm can be worked safely.
- Gap for insertion of the board can easily be adjusted by means of the adjusting knob in front of the machine.
- Depaneling process without vibration
- Easy maintenance and operation.
- Pneumatic control places in a separate unit for easier maintenance.
- Rigid design without vibration in operation.

NTG-350



V-CUT走刀式分板機

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

Power : AC 110 / 220 V 50 / 60HZ
 Blade Route : 430mm / Max
 Blade Size : ϕ 145mm
 Down- Blade Size : 500mm
 Blade Speed : 500mm/sec
 PCB Cut Thickness : 0.5 ~ 3.2mm
 Weight : 45 KGS
 Dimension : 780 x 400 x 450mm

- 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DC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，機構精密耐用。

With no bending stress design idea to operate V-Cut (Pre-scored) PCB separated process. Lay down PCB. Rotary blade movement, separated PCB without stress. Cutting process is adjustable. PC Board separates directly, operated by DC. motor carbon-free brush. The cutting force is stable. The speed of blade is adjustable. Line with the V-cut flute and apart PCB. Round blade and long knife bottom side can adjust slightly. The blade and knife can be re-sharpened. Special design for odd type component across the cutting flute is available. Suitable to separate long and short size PCB. Precise and durable mechanism.

NTG-430



V-CUT走刀式分板機/附皮帶輸送

V-CUT/ Pre-scored PCB Depaneling Machine-Moving Blade with Feeding Belt.

Power : AC 110 / 220 V 50 / 60HZ
 Weight : 56 KGS
 Dimension : 1280 x 400 x 450mm

- NTG-430NS 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。
- 向左或右方向輸送。

NTG-430NS is the machine with the feeding belt. The belt is selective, installed according to the different requirements. It can deliver PCB to the next working station after separating. The belt's direction can start from left or from right. Delivery and Separation work simultaneously.

NTG-430-NS





手動錫膏印刷機

Manual Stencil Printing Machine

適合框架Available frame : 24" × 24" (600 × 600mm)

印刷範圍Printing area : 15" × 20" (380 × 500mm)

重複誤差Repeatable error : 0.008mm

機台重量Weight : 50Kg

刮刀長度Length of squeegee : 255 mm

機台尺寸Dimension : 840 × 920 × 250mm

專用於SMT錫膏鋼版、網版印刷

適用精密細小腳距並可以2面印刷

設定及清除快速X、Y軸角度可以調整

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

Special for SMT stencil and screen printing. Available for precise and fine pitch and both side printing. Quickly set up and remove. X and Y axial angles are adjustable. Change different spec boards very fast and without tool. Both sides printing can be finished and changed very fast and precisely.

STP-450



半自動錫膏印刷機

Semiautomatic Stencil Printing Machine

印刷範圍Printing area : 14" × 17" (356 × 430 mm)

重複誤差Repeatable error : 0.008mm

機台重量Weight : 60Kg

刮刀長度Length of squeegee : 9" (228 mm)

機台尺寸Dimension : 840 × 920 × 250mm

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

STP-550：是一部有彈性的，半自動表面黏著，錫膏印刷機。它包括了自動印刷機所應含的功能，特別適合樣品試作，及少量多樣化的生產使用。

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，右刮刀即下降印刷。當反向拉回則右刮刀會上升，左刮刀下降，作二次印刷。

可確保印刷錫面均勻，錫膏厚度穩定。

底座升降裝置：當印刷完成時，推動黃色旋鈕，底座機構既平順垂直下降，此裝置可確保鋼版與PC板分離時，不會造成錫膏之沾黏現象，可保持版面清潔。

對位裝置：精密X、Y軸調整機構，可自由的做對位調整。

開起裝置：結構穩定之印刷框架，由氣缸自動控制開合。

STP-550 is a flexible, semiautomatic SMT stencil printer. STP-550 obtains all functions of an automatic stencil printer, especially applies to the multiple production in small amount.

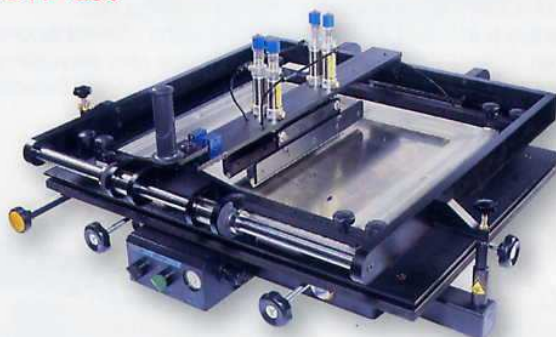
Squeegees: Dual air cylinders control stainless squeegees and contain keep consistent pressure and angle. While push handle to left, the right squeegee presses down and print on PCB; while pull handle back to right, the left squeegee presses down and print on PCB again. Accurate stencil's thickness and keep surface well-mixed.

Vertically-moving Base: As complete printing, push the yellow knob to lower base smoothly and vertically. To prevent stencil on PCB from adhering to each other, this function of separating halftone from PCB keeps PCB surface clean.

Positioning function: precise X, Y axes alignment can adjust positions easily.

Open Frames: well-structured printing frame is automatically controlled by air cylinders to open and close.

STP-550



SMT 半自動貼片機

SMT Semiautomatic Taping Machine

Power : AC 220 V 50 / 60HZ
 Weight : 22 KGS
 Air : 4 ~ 5Kg / cm²
 Feeder : 16 Set
 Material Box : 90 PCS
 MAX. PCB Working Size : 250 × 300mm
 Capacity : 20~50pcs / Minute
 Dimension : 800 × 720 × 300mm

特別適用樣品試作，變更頻繁少量多樣生產使用穩定而快速吸取SMT零件貼合於PCB板上X與Y滑動軸吸取SMT零件放置不會抖動360度旋轉料架，可放置90種不同零件可安裝16組SMT捲帶料架，大小料帶皆適合真空吸嘴可吸取任何大小不同SMT電子零件多台並聯，只小額投資就可達到大量生產效益

Available to make and test samples, especially for variable, Small quantity, multi style production. Sucking quickly the SMT components and taping on the PCB.

Sliding axial X and Y will not vibrate the SMT component as taping on the board.

Feeder frame can turn around 360 degrees, 90 kinds of components can be operated. 16 sets SMT tape reel material can be loaded. Suitable for any reel size. Vacuum pipe can suck different sizes of SMT components.

Connecting several machines by small investment can offer efficient production.



SMT-401

SMT 半自動點膠 / 貼片機

SMT Semiautomatic Spot Glueing and Taping Machine

Power : AC 220 V 50 / 60HZ
 Weight : 22 KGS
 Air : 4 ~ 5 Kg / cm²
 Feeder : 16 Set
 Material Box : 90 PCS
 MAX. PCB Working Size : 250 × 300mm
 Dimension : 800 × 720 × 300mm

SMT-402：是一套手動的SMT貼片及點膠功能二合一產品，它包含了，自動貼片機所應含的功能，特別適合樣品試作業，及少量多樣化的生產使用。

真空取置頭：X與Y滑動軸移動非常精巧，依人體功學設計，可調整真空吸取器，自動吸取或放置，只需要以吸嘴碰觸元件，便可容易的將元件吸取，並可以360度旋轉來對位PCB。

點膠機：內含有點膠功能，可以精準的調整出膠量，微調膠液濃度、點膠時間、膠液的流量壓力，達到精確點膠。

散料元件取置槽：360度轉盤上有配置45個取置槽，內槽中分雙區C-MOS格，這便可存放90種不同的散料元件。

捲帶料架：本機可同時安裝16組8mm料架。

（捲帶料架為選購配件分三種）：8mm、12mm、16mm

PCB支撐架：用一套L型軌道及支撐柱作為PC板的治具。

SMT-402: combine SMT surface mounting and pasting functions in one machine and obtain every function in an automatic SMT paster. Especially, apply to make samples and versatile production in small amount.

Vacuum pick&place nozzle: X, Y axes, which easily move pick & place nozzle in 360 degrees, precisely position the components on PCB. By slightly touching components, vacuum pick&place nozzle can easily move them around.

Paster: SMT-402 obtains the function of pasting & adhering components on PCB. Precisely adjust the volume, consistency, time and pressure of glue to achieve the best pasting result.

Bulk-component feeder: equip 45 feeders above the 360-degree rotator. Every single feeder is divided into two C-MOS boxes. Thus, enable to place 90 kinds of loose parts.

Tape strip feeder: simultaneously place 16 sets of 8-mm tape strip feeders.

Tape strip feeder is an optional equipment : 8mm、12mm、16mm

PCB holder: A set of L-shaped trail and a support block serves as the PCB cassette.



SMT-402



I.C. 整型機

I.C. Forming Machine

一機三用，整型、剪腳、架高 Three in one.

Power : 110V/220V AC. 60HZ/50HZ

Dimension: L500 x W400 x H360mm

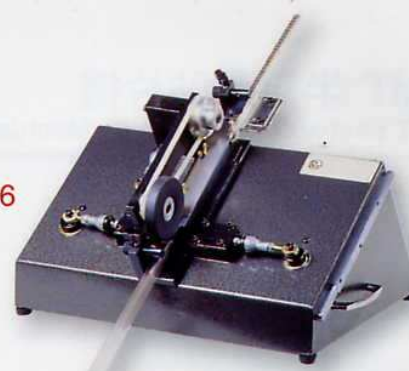
Weight: 17 Kgs

- 加工範圍大，可用於多種IC。
- 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。
- Wide application on various types of IC.
- High quality motor from famous brand with low energy consumption.
- Special feeding and gearing system to assure high reliability.
- Stable dimension control by smashing operation.

說明Description :

- Fig.1 為一般標準型，附有0.3"及0.6"二種軌道。
- Fig.2 及 Fig.3 為訂做型，需另外購買，可集三功能於一機。
- 訂做型需提供尺寸。
- Fig.1 Standard Model 0.3" and 0.6" Feeding rails enclosed in the shipment.
- Fig.2 and Fig.3 are customized Models. Three functions can be built in one machine.

ICF-106



A 寬度	Working Width	6-20mm
H 長度	Length	4-12.7mm
D 厚度	Thickness	4-12.7mm
L 成型寬度	Width	0.3", 0.4", 0.6", 0.75"
加工量	Capacity	7 sec./Standard I.C. Tube



FIG.1
整型-Forming
ICF-106



FIG.2
切腳-Cutter
ICF-106-C



FIG.3
成型-Forming
ICF-106-K

I.C. 整型機

I.C. Forming Machine

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 strengthen the IC lead.

Power : 110V/220V AC. 60HZ/50HZ

Dimension: L330 x W250 x H330mm

Weight: 5 Kgs

- 採滾輪式，快速整腳。
- 軌道不用更換，旋轉調整。
- 適用於大量生產。
- High productivity by rolling operation.
- Adjusting the IC forming width by knob switch without changing rails.
- Best selection for mass production.

A 寬度	Working Width	6-18mm
H 長度	Length	4-9.5mm
D 厚度	Thickness	3-12mm
L 成型寬度	Width	0.3" - 0.6"
加工量	Capacity	3 sec./Standard IC. Tube

ICF-100



零件計數器

Component Counter

最小零件腳徑Min. lead diameter: 0.35mm

Dimension: 350 x 300 x 280mm

Weight: 6Kgs

Power: 110V 或 220V AC

- 可雙面計數 (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。
- 可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。
- Counting in both directions (Leftward or rightward).
- Divider from 1 to 10 (up to 19, upon request).
- Totalize counting mode.
- Pre-set counting mode (with an audible signal when the desired components number is reached).
- Calibration test and self diagnostic procedure.
- Last counting value and condition memory.
- External detector input.
- Output for external motor control.
- Accumulator model disposable.



M-831

SMT零件自動測試 / 裝管機

SMT Component Automatic Testing

/Loading in stick Machine

Power : AC 110 / 220 V 50 / 60HZ

Dimension : 700 x 600 x 1050mm

Weight : 45KGS

Capacity : 150pcs/Minute

- 適用於SMT零件測試後裝管卷裝料或管裝料。
- 經測試後自動裝填入管，可將SMT零件測試後作篩選。
- 分級包裝自動吸料→自動測試→自動裝管→自動換管。
- 全自動化可電腦程式設定。
- 控制標準機構外，可按需求作功能擴充設計。

Suitable for SMT components taped in reel or load in stick can be loaded in stick automatically after the test. Also it can pack the SMT components into different degrees after testing and selecting.

Automatically get material→automatically test →automatically load in stick→automatically change stick. All the process is automatical and can be controlled by computer program. The function based on the standard mechanism can be extended upon request.



RTC-80



SMT零件多功能測試 / 裝管機

SMT Component Multi-function Testing/Loading

in stick Machine

Power : AC 110 / 220 V 50 / 60HZ

Dimension : 750 x 600 x 1250mm

Weight : 75KGS

Capacity : 150pcs/Minute

- 適用於卷裝、裝管、散裝SMT零件測試後包裝。
- 全自動經測試後自動裝填入管或捲帶包裝。
- 可將SMT零件測試後作篩選，分級包裝散式SMT零件。
- 經送料機可順暢排列自動吸料→自動測試→自動裝管→自動換管。
- 全自動化可電腦程式設定。
- 控制標準機構外可按需求作功能擴充設計。

Suitable for SMT components in reel, in stick or in bulk be packed after the test. Automatically load in stick or tape reel package. Pack SMT components in different degrees after testing and selecting. Loose components through feeder can line up correctly. →automatically load in stick→automatically change stick. All the process is automatical and able to be controlled by computer program. The function based in the standard mechanism can be extended upon request.



RTC-90





錫膏攪拌機

High-speed Cream Solder Mixer

Power : AC 110 / 220 V 50 / 60HZ

RPM of Spindle : 400rpm

Kneading Timer : 0.1~ 9.5Minute

Weight : 45 KGS

Dimension : 390 x 390 x 385mm

- 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。
- 有時間記憶功能與空氣隔離的條件下。
- 準確完成錫膏攪拌萬用放置架。
- 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。

The equipments of the standard production process. Solder mixed uniformed and mixed 2 bottles at same time. Informed by light and image when the process is finished. Display by LED and control by micro computer. With the time memorized function. Under vacuum condition. Finished the solder mixed operation. Universal type magazine. Available for any brand of solder. Touch button automatically stops when solder mixed process is finished. Very easy operation. Time control by electronic counter. Setting from 0.1 to 9.5 minutes is available.



RAM-60

高速離心脫泡機

High-speed Centrifuge Machine

Power : AC 110 / 220 V 50 / 60HZ

RPM of Spindle : 3000rpm

Kneading Timer : 0.1~ 9.5Minute

Weight : 55 KGS

Dimension : 415 x 455 x 350mm

- 本機適用SMT各廠牌點膠管。
- 脫泡處理同時可適用處理 142 × 26 mm 。
- 4支容易進行，各種注入膠管脫泡處理有安全停車裝置。
- 當上蓋開啟時會自動停止運轉採電子式計時。
- 0.1~ 9.5 分鐘可自由設定 LED 數字顯示
- 異常或完成會用影音通知結構穩固，影音通知操作簡易又安全。

This machine available for all brand SMT spot tapped tube. To remove the bubble inside of the tube. It can arrange 4 tubes in spec. 142 x 26mm at same time. Very easy to remove the bubble for various injection tubes. Safely stopping function can stop the machine when top cover is opened. Timing is controlled by computer, from 0.1 to 9.5 minutes is available.

Number displayed by LED, alert by sound or image when the machine operation finished or abnormally. Mechanism is durable and informed by sound or image. Easy and safe operation.



RAM-62

鎢鋼刀研磨機

Blade Re-sharpener

- 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。
- 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。
- 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 grinding operation with or without coolant. In which the coolant is recycled.
- Tip : The blade needs to be re-grinded as it is worn out in a efficient machine.

Simple and easy operation and maintenance, no production delay because of re-sharpening out of house. This machine is designed and built to re-sharpening the tungsten carbide blade used in PCB lead cutting machine.

主軸轉速	RPM of Spindle	3000
刃口角度	Cutting Angle	可調 17° - 22°
鑽石砂輪	Diamond Wheel	125D-6W-2X-35T-14B-31.75H
電壓	Power	220V 50/60HZ
研磨速度	Capacity	20 Minutes/Pcs
機器尺寸	Dimension	800(L) x 750(W) x 1200(H) m/m
淨重	Net Weight	135Kgs

KA-680



PC 板毛刷機

PCB Brushing Machine

- 專用於清除PC板殘留物，如錫珠、助焊劑痕跡及抓紋之清理。
- 有棕刷、毛刷任選一種。
- 刷除殘渣絕不會傷害PC板。
- 特殊處理不會產生靜電。
- Manual brushing the PCB by the fast turning brass brush equipped in the machine.
- Never damage the PCB surface in brushing.
- Conductive designed to ensure no damage on static sensitive components.

The machine is designed to brush away the leads or soldering residues like solder ball and flux residues, etc, which remains on the board after lead cropping process.

主軸轉速	RPM of Spindle	600
棕刷尺寸	Brush	250
PC 板最大尺寸	MAX. PCB Working Size	400mm(L) x 270mm(W)
機器尺寸	Dimension	500(L) x 500(W) x 700(H)
電壓	Power	110/220V 50/60HZ
淨重	Net Weight	50Kgs

KA-83

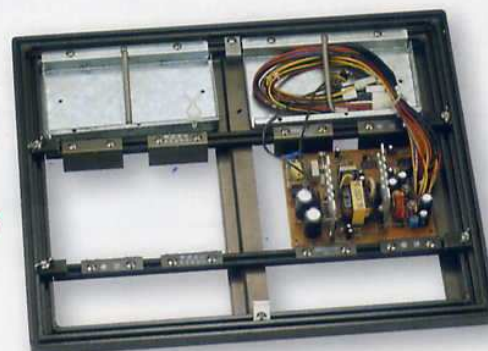


基板焊錫架

Solder Carrier of Base PCB

- 本焊錫架全部採用6061鋁合金製造。
- 鋁擠型外框、夾持座、固定座、托板、擋錫板均經特殊處理。耐磨、耐高溫、耐腐蝕、硬度高、不變形、不沾錫。
- 直焊、橫焊操作自如，且大小基板皆可適用。
- 夾持基板之彈簧片採用鈦合金，不沾錫。
- This frame is made of 6061 aluminum alloy.
- Special treatment was applied to the outer frame of aluminum squeezing type, pinching stand, fix stand, supporting board, and tin resistible panel. It resists friction, corrosion, high temperature, deformation and tin.
- Free operation for vertical or horizontal welding, applicable to big or small base PCB.
- The spring pin of the pinching base PCB adopts titanium alloy to free from sticking with tin ash.

KAR-4





手推式PC板切腳機

KA-8 PCB Lead Cutter, manual handling

- 為過錫爐後 PC 板剪腳最經濟選擇。
- 使用超硬鎢鋼刀，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。
- 超強的機身結構，高精密的製作方式，確保加工品質的穩定。
- 最低高可切至1.0 mm。
- The machine is designed to trim the wire leads of PCB assembly after soldering process.
- The fast turning tungsten carbide blade cuts the wire leads while feeding the PCB one by one to the equipped track manually.
- For safety, it is absolutely required to push the PCB assembly by handle.
- This machine trims the wire lead of electronic components only.

鎢鋼刀為選購品，不屬於標準配備。

Tungsten Carbide Steel Blade is selective rather than standard item.

軌道厚度範圍	Thickness Range	0.8 - 1.2 & 1.6 - 2.0mm
主軸轉速	RPM of Spindle	4500
最低腳高	Min. Lead Height	1.0mm Min
最大PC板尺寸	MAX.PCB Working Size	400mm(L) x 270mm(W)
機器尺寸	Dimension	1050(L) x 570(W) x 750(H) m/m
電壓	Power	110/220V 50/60HZ
淨重	Net Weight	73Kgs

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，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。
- Best Selection for midium of high volume production. This model is designed to trim the extra long leads automatically and efficiently on the PCB that components are inserted and soldered.
- A pair of conveyor chain is equipped in the model with clamp deliver the PCB to trim by the blade turning in high speed.
- Warp prevention device is equipped to ensure no damage on boards.
- Expandable in function and working independently- The model can optionally connect in line with wave soldering machine by Connection Bridge and operate automatically.

鎢鋼刀為選購品，不屬於標準配備。

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 Adjustable 可調
最低腳高	Min. Lead Height	1.0mm Min
PC板最大尺寸	MAX.PCB Working Size	500mm(L) x 280mm(W)
機器尺寸	Dimension	900(L) x 670(W) x 800(H) m/m
電壓	Power	220V 50/60HZ
淨重	Net Weight	115Kgs

超硬鎢鋼刀

Tungsten Carbide Steel Blade

This is for PCB lead cutter and can be resharpened by Blade Resharpener. Hitachi, Mitsubishi brand.



KA-8



KA-66



NK-250

NK-200

全自動PC板切腳及毛刷機

Automatic PCB Brushing and Lead Cutting Machine

- PCB Working Range: 10mm ~ 300mm.
- Brush is optionally selected to clean leads adhered after cutting.
- Available to connect with Wave soldering machine in mass production.
- PCB Wrap proof device is equipped.
- The height of Back/Front conveyors are adjustable to meet various kinds of connection.
- The Tungstem Carbide Blade is excluded in the machine.
- PC板適合範圍: 10mm ~ 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。
- 鎢鋼刀為選購品, 不屬於標準配備。

主 軸 轉 速	RPM of Spindle	4500
主 軸 馬 力	HP	3/4HP
軌 道 速 度	Feeding Speed	0~3m Adjustable
最 低 腳 高	Min. Lead Height	1.0mm Min
PC 板最大尺寸	MAX.PCB Working Size	500mm(L) x 280mm(W)
機 器 尺 寸	Dimension	1160(L) x 730(W) x 800(H)
電 壓	Power	220V 50/60HZ
淨 重	Net Weight	200Kgs
毛 刷 轉 速	RPM of Brushing	600 RPM/1/2HP



KA-B6

標準配備

Standard Accessories

(Equipped)

- 250mm Brush (Brass). 1 Unit.
- Warp correction Bakelite bar (1 set), Frame for warp correction (4 sets).
- Warp prevention thimble wheel (1 set)
- Tool set (1 set).

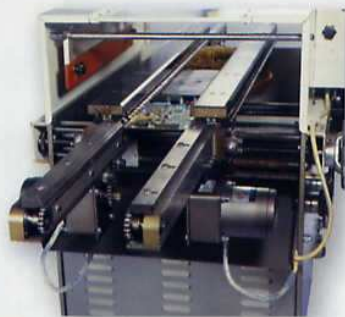
附於機台上

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。

選擇性配備

Optional Accessories

1. KA-B6 前入料銜接軌道 Front feeding/connection 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



KA-B6-IN

2. KA-B6-OU 後出料銜接軌道 Back Send out/connection 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。...



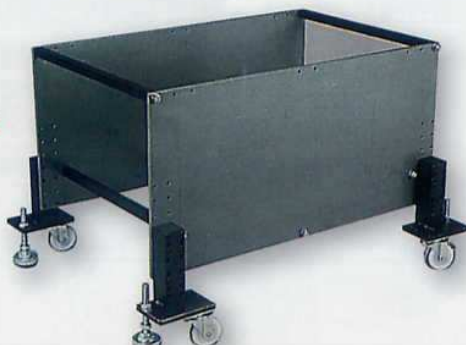
KA-B6-OU

3. 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。



KA-B6-F

4. 毛刷 Brushing



BK-250



BK-320



機械式裁斷機

Mechanical 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0~9999mm。
- 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 cutting the most of strip, tube and wire precisely, such as small cables, flexible tube, web, paper etc...

Programmable and mechanical models are available. Please make reference to the following details.

XL-350
XL1500

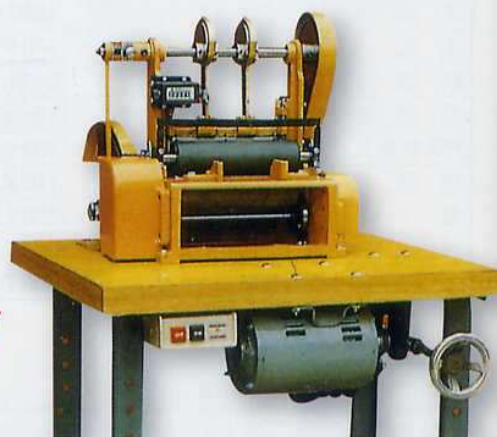


機械式裁斷機

Mechanical Strip Cutter

- 切刀材質為SKH-2製成，經久耐用。
- 採精密設計的齒輪驅動送料。
- 長度及速度的調經由機械結構變換。
- 附計數碼表(無計數停機功能)。
- 適用於套管類、絕緣紙、排線、銅箔或電纜等較厚材質均可加工。
- The cutting blade is made of quality alloy steel SKH-2 with advantage of Durable and long life.
- Feeding system accurately is controlled by precise gearing system.
- Adjust the cutting length and feeding speed by the mechanism system easily.
- Counter is equipped (Non pre-stop type)
- Good at the cutting operation of flexible tube, insulation paper cable and metal film.

XL-350-17
XL-1500-17



微電腦桌上型裁斷機

Programmable Desk-top Cutter

- 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。
- High quality Alloy steel SKH-2 is used to cut blade, durable and long life.
- Micro-Processor controlled stepping motor is installed to program the operation. Fully automatic for both batch or individual runs.
- Programmable for cutting length and speed control in the panel.
- The equipped counter with function of automatic counting and pre-stop.
- For cutting operation of various thin materials, such as flexible tubing, insulation paper, cables, metal film etc.

XD-1000



型 號	最大可切寬度	最大可切長度	每分鐘切斷數	馬達	機器尺寸(mm)	淨 重
Model	Max. Cutting Width	Max. Cutting Length	Cuts/Min.	Motor	Dimension	Net Weight
XL-350	60mm	350mm	30-100	200W	540x600x1200	50 kgs
XL-1500	60mm	1500mm	30-100	200W	540x600x1200	50 kgs
XL-350-17	160mm	350mm	30-100	200W	540x600x1200	70 kgs
XL-1500-17	160mm	1500mm	30-100	200W	540x600x1200	70 kgs
XD-1000	60mm	99999mm	30-80	25W	280x220x270	21.5 kgs

助焊劑自動比重器

Automatic Flux Density Controller

Automatically control the flux density in 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。 Automatic controller that control flux density with ratio control technology, capable of supplying flux and thinner automatically. The accuracy can up to 0.002. Best solution for high quality soldering.

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	Range of measurement temp	0 - 50°C
使用周圍溫度	Ambient temp	0 - 40°C
控制方式	Controlling manner	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

助焊劑自動比重器-含濁度指示器

Automatic Flux Density Controller With Particle Meter

Additional function to monitoring the pollution of flux

- 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 (KA-960)，有助於了解正確更換助焊劑時間以加強產品品質。
- Automatic refill flux or thinner in a ratio-controlling manner.
- Digital display for flux density and temperature, set up by pushing buttons.
- Flux lever is controlled automatically by supplying the flux or thinner to maintain the value of specific gravity.
- The flux life meter indicates the impurity degree of the flux (Model KA-960). It helps understand the right time of replacing the flux to ensure product quality.

濁度指示器(Lift Meter) : 0 - 500 ppm

比重器

Hydrometer

比重器規格Hydrometer measuring the Flux Density range: 0.800~0.860

發泡管

Flux Foaming Element

發泡管規格為 40mm、50mm.兩種，長度可依客戶需要訂做。

Flux Foaming element have two sizes: 40mm、50mm

- The length of foaming tubes is according to users need.

焊錫爐

Automatic Thermpo Control Soldering Pot

分離式自動控溫，控溫精確。

Automatic thermpo control in 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
SP1318S1	0.8 x 1	130 x 180 x 70	10.3
SP1520S1	0.9 x 1	150 x 200 x 70	13.2
SP1825S1	0.9 x 2	180 x 250 x 70	19.8
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
SP35S6S1	1.6 x 3	350 x 550 x 70	84.7
SP4050S1	1.6 x 4	400 x 500 x 70	66
SP4060S1	1.6 x 4	400 x 600 x 70	105.6
SP4070S1	1.6 x 4	400 x 700 x 70	123.2



KA-950



KA-960

比重計 Hydrometer



KA-30

發泡管 Flux Foaming Element

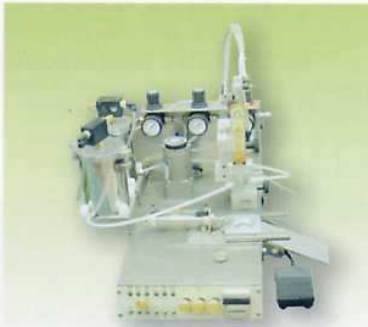


KA-40



KA-50





DLS-201

平面式微量U鐵上膠機

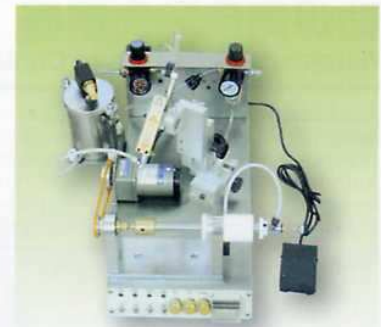
Flat type micro U shape glue machine
適用於上小內磁喇叭 ABU 鐵自動配料、定位準、可打點調整快速操作簡單
Suitable to tape ABU metal inside of speaker. Mixed material is automatic. Accurately set up location. Point tapping is available. Quick adjustment. Easy operation.
AC 110/220 V 50 / 60HZ
Air : 4.0-8.0 Mpa/cm³
出膠時間Timing : 0.01-99.9sec
出膠量Volume : 0.1—5 g/次
上膠直徑Diameter : > ϕ 60mm
Dimension : 470*350*280mm



DLS-101

平面式微量上膠機

Flat type micro glue machine
適用於上小型揚聲器彈簧板膠防塵罩膠、紙盆邊膠、紙盆封口膠、送話器、受話器等單點上膠，調整快速操作簡單
Suitable to tape spring of smaller size speaker, dust proof cover, paper bowl edge glue, paper bowl cover glue speaker and receiver spot glue, adjust fast and easy operation.
AC 110/220 V 50 / 60HZ
Air : 4.0-8.0 Mpa / cm³
出膠時間Timing : 0.01--99.9sec
出膠量Volume : 0.1—5 g/次
上膠直徑Diameter : > ϕ 80mm
Dimension : 470*350*280mm



DLS-102

高音音膜上膠

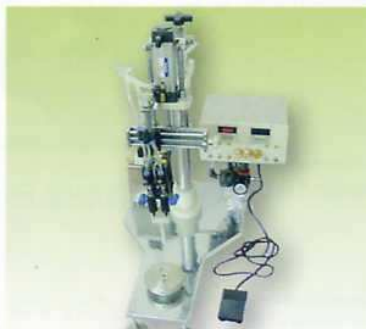
Hi-Fi diaphragm glue machine
適合在上小於100mm的音圈膠各種高音音膜貼合，塗膠均勻定位準確換模方便 操作簡單
Suitable to tape sound ring which less then 100mm various kinds of Hi-Fi sonic diaphragm taping, glue uniformed Accurately location set up. Easily change diaphragm and operation.
AC 110/220 V 50 / 60HZ
Air : 4.0--8.0 Mpa / cm³
出膠時間Timing : 0.01--99.9sec
出膠量Volume : 0.1—5 g/次
上膠直徑Diameter : > ϕ 100mm
Dimension : 470*350*280mm



DLS-203

磁液機

Magnet liquid machine
適用於上磁液膠定位準確可打點操作簡單
Suitable for magnet liquid glue. Accurately position set spot glue available, Easy operation. Adjust quickly. Easy operation.
AC 110/220 V 50/60HZ
Air : 4.0-8.0 Mpa/cm³
出膠時間Timing : 0.01-99.9sec
出膠量Volume : 0.1mg-5g/次
上膠直徑Diameter : > ϕ 80mm
Dimension : 470*250*400mm



DLB-101

單點雙液上膠機

Double liquid spot glue machine
適用於上 AB 膠在待機時有自動防止膠乾涸功能，不會堵塞膠槍與螺旋管，塗膠均勻調整快速 操作簡單
Suitable for AB glue. While the machine, warm up, the glue will not dry or stop the screw tube of glue gun. Glue is uniformed. Fast and easy operation.
AC 110/220 V 50/60HZ
Air : 4.0-8.0 Mpa/cm³
出膠時間Timing : 0.01-99.9sec
出膠量Volume : 0.2--8g/次
上膠直徑Diameter : > ϕ 400mm
Dimension : 560*470*700mm



DLS-608

桌面式橢圓上膠機

Desktop oval shape glue machine
適用多媒體、汽車等異形喇叭上膠，可清除T鐵、磁鋼、華司上雜物並上膠，調整換模方便操作簡單快速
Suitable for multi-media car and special shape horn glue. Can clean the surface of T metal magnet steel washer and glue. Change tooling easily.
AC 110/220 V 50/60HZ
Air : 4.0-8.0 Mpa/cm³
出膠時間Timing : 0.01-99.9sec
出膠量Volume : 0.2g--9g/次
上膠範圍Diameter : 150*250mm
Dimension : 550*400*750



DLA-301

三點上膠機

Triple spot glue machine

適用於各種揚聲器三種膠水同時打膠。
(如中心膠、彈簧板膠、盆架膠) 調整快速 操作簡單

Available to glue various speakers and to use 3 different glues at same time. (Such as to glue center, spring and Bracket) Quick adjustment and easy operation.

AC 110/220 V 50/60HZ

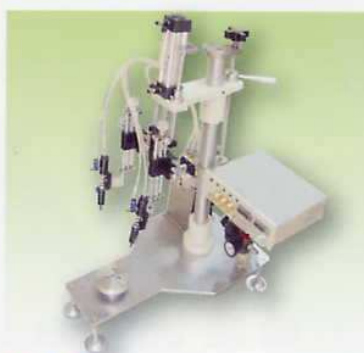
Air : 4.0-8.0 Mpa/cm3

出膠時間Timing : 0.01-99.9sec

出膠量Volume : 0.2--8g/次

上膠直徑Diameter : > ϕ 400mm

Dimension : 560*470*700mm



DLA-201

兩點上膠機

Double spot glue machine

適用於各種揚聲器二種膠水同時打膠。
塗膠均勻 操作簡單

Available to glue various speakers and to use 2 different glues at same time. Glue is uniformed and easy operation.

AC 110/220 V 50/60HZ

Air : 4.0-8.0 Mpa/cm3

出膠時間Timing : 0.01-99.9sec

出膠量Volume : 0.2--8g/次

上膠直徑Diameter : > ϕ 400mm

Dimension : 560*470*700mm



DLA-101

單點上膠機

Single spot glue machine

適用於各種圓形喇叭膠及一些器件的單點上膠塗膠均勻 操作簡單

Available to glue various round shape speakers and to glue some articles in single spot. Glue is uniformed and easy operation.

AC 110/220 V 50/60HZ

Air : 4.0-8.0 Mpa/cm3

出膠時間Timing : 0.01-99.9sec

出膠量Volume : 0.2--8g/次

上膠直徑Diameter : > ϕ 400mm

Dimension : 560*470*700mm



DLT-201

桌面式鐵粉清除上膠機

Desk top clean metal dust glue machine

適用喇叭在打膠前乾淨能清除磁縫隙的雜物並上膠調整方便 噪音小

Available to clean the dust in the gap of the magnet before glueing on the speaker. Easy to adjust. Very few noise.

AC 110/220 V 50/60HZ

Air : 4.0-8.0 Mpa/cm3

出膠時間Timing : 0.01-99.9sec

出膠量Volume : 0.9--5g/次

上膠直徑Diameter : > ϕ 400mm

Dimension : 560*470*700mm



DLT-205

落地式鐵粉清除上膠機

Standing style clean metal dust glue machine

能清除磁鐵與T鐵上的雜物並打膠調整快速 噪音小 乾淨清潔

Available to clean the dust between magnet and T metal before glue. Easily adjust. Very few noise, very clean.

AC 110/220 V 50/60HZ

Air : 4.0-8.0 Mpa/cm3

出膠時間Timing : 0.01-99.9sec

出膠量Volume : 0.9--5g/次

上膠直徑Diameter : > ϕ 100mm

Dimension : 700*400*1600mm



DLAB-808

落地式磁迴上膠機

Standing style magnetic shifting glue machine

適用於T鐵磁，鋼膠調整快速操作簡單
Adjust fast. Easy operation. Very few noise.

AC 110/220 V 50/60HZ

Air : 4.0-8.0 Mpa/cm3

出膠時間Timing : 0.01-99.9sec

出膠量Volume : 0.9--5g/次

上膠直徑Diameter : > ϕ 160mm

Dimension : 750*600*1600mm