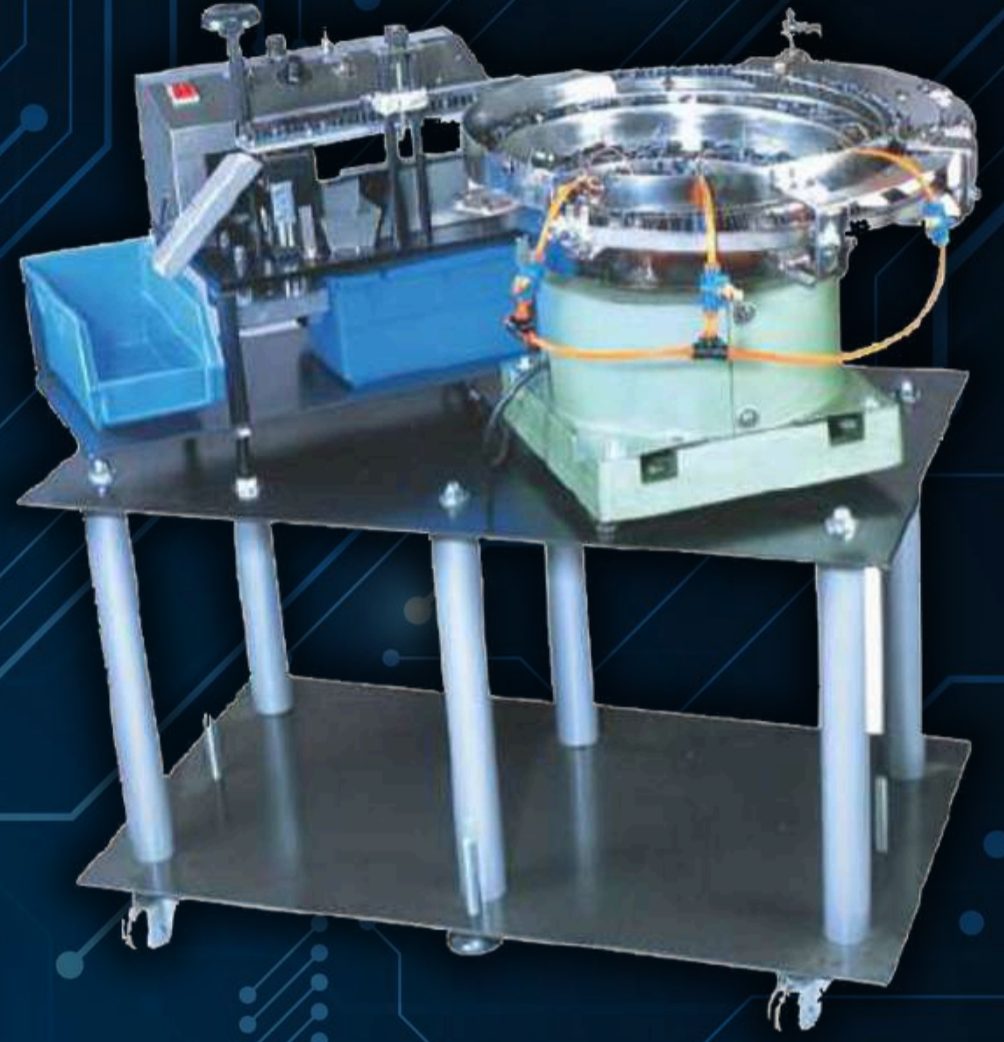




REN THANG CO.,LTD.



WWW. SOLUCINDE.COM

AR-108

Air Drive Lead Forming Machine – Single Cylinder

- Dimension: 420(L) x 300(W) x 200(H) mm
- Net Weight: 8 kgs
- Air Source: 5 kgs/cm
- Capacity: Hand-feeding 1 pcs in 3 seconds
- 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

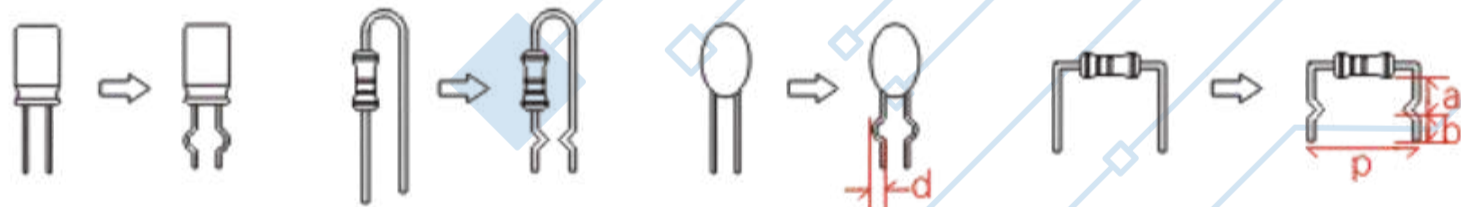
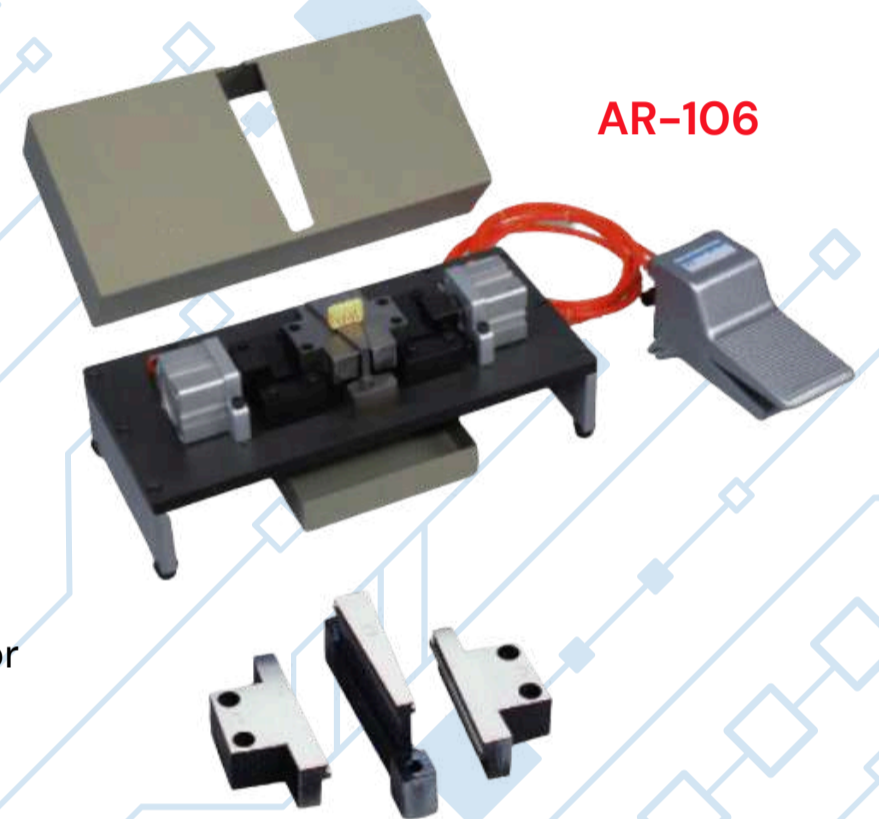


AR-106

Air Drive Lead Forming Machine – Twin Cylinder

- Dimension: 420(L) x 300(W) x 200(H) mm }
- Net Weight: 10 kgs
- Air Source: 5 kgs/cm
- Capacity: Hand-feeding 1 pcs in 3 seconds
- 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	Kink Height	5mm
B	Lead length	5mm
D	Kink Depth	2mm
P	Pitch	7-20mm
W	Wire Diameter	

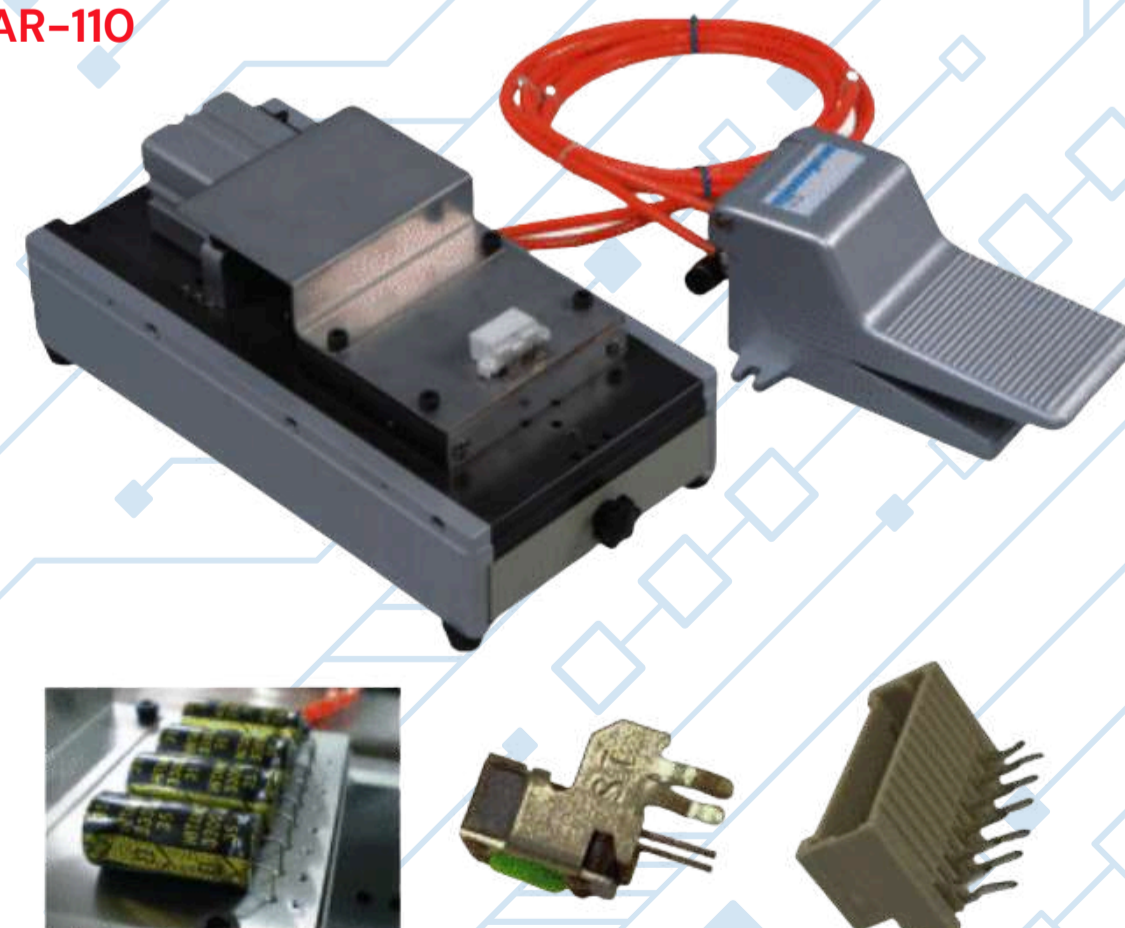
Outward or inward kinks apply to different die sets.
Fixed at certain, please advise.

AR-110

Air Drive Lead Cutting Machine – Single Cylinder

- Dimension: 280(L) x 150(W) x 130(H) mm
- Net Weight: 8 kgs
- Air Source: 5 kgs/cm
- Capacity: Hand-feeding 1 pcs in 3 seconds
- 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-110



CF-360

Loose Radial Lead Cutter with Counter

- Power: 110V/60Hz; 220V/50Hz R
- Dimension: 500 (L) x 430(W) x 470(H) mm
- Net Weight: 24 kgs
- Gross Weight: 27 kgs
- Linear hand feeding on the trail 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 +/-0.2mm, if you require smaller tolerance +/-0.1mm, press apparatus is available.
- If after-cut length is 2.5-3.0mm, please advise upon the order to customize rail and cutter.
- Welcome to consult any special stand-up radial cutting problem.

CF-360X

Cutter without Counter



A	Body Length	3 - 25 mm
H	Lead Length	3 - 20 mm
W	Wire diameter	0.4 - 2.0 mm
Working Capacity		MAX. 9,000pcs/Hour

CF-360LX 90

Loose Radial Lead Bending & Cutting Machine

- Power: 110V/60Hz; 220V/50Hz R
- Dimension: 520(L) x 500(W) x 470(H) mm
- Capacity: 9,000 pcs / Hour
- Net Weight: 38 kgs
- Gross Weight: 41 kgs
- 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	Body Length	3-30
B	Body Diameter	3-18
C	Shoulder	3-15
H	Lead Length	3-15
W	Wire Diameter	

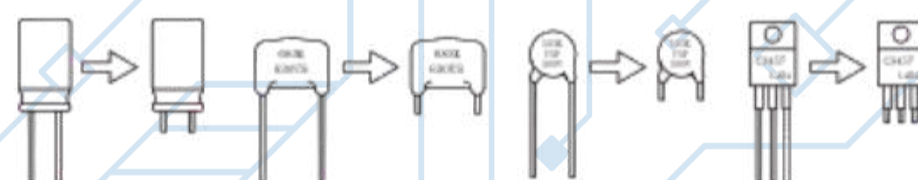


CF-360LX

CF-150

Loose Radial Lead Cutter

- Power: 110V/60Hz; 220V/50Hz R
- Dimension: 260(L) x 260(W) x 400(H) mm
- Net Weight: 10 kgs
- 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	Body Length	3 - 25 m/m
H	Lead Length	Min. 3 mm
W	Wire diameter	0.35-1.2 mm
Working Capacity		9,000pcs/Hour



CF-150

CF-366

Automatic Loose Radial Lead Cutter

- Power: 110V/60Hz; 220V/50Hz
- Air Source: 4 kgs/cm R
- Dimension: 1150 (L) x 700(W) x 1050(H) mm
- Net Weight: 145 kgs
- Capability: 18,000pcs/ Hour
- 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.

Models:

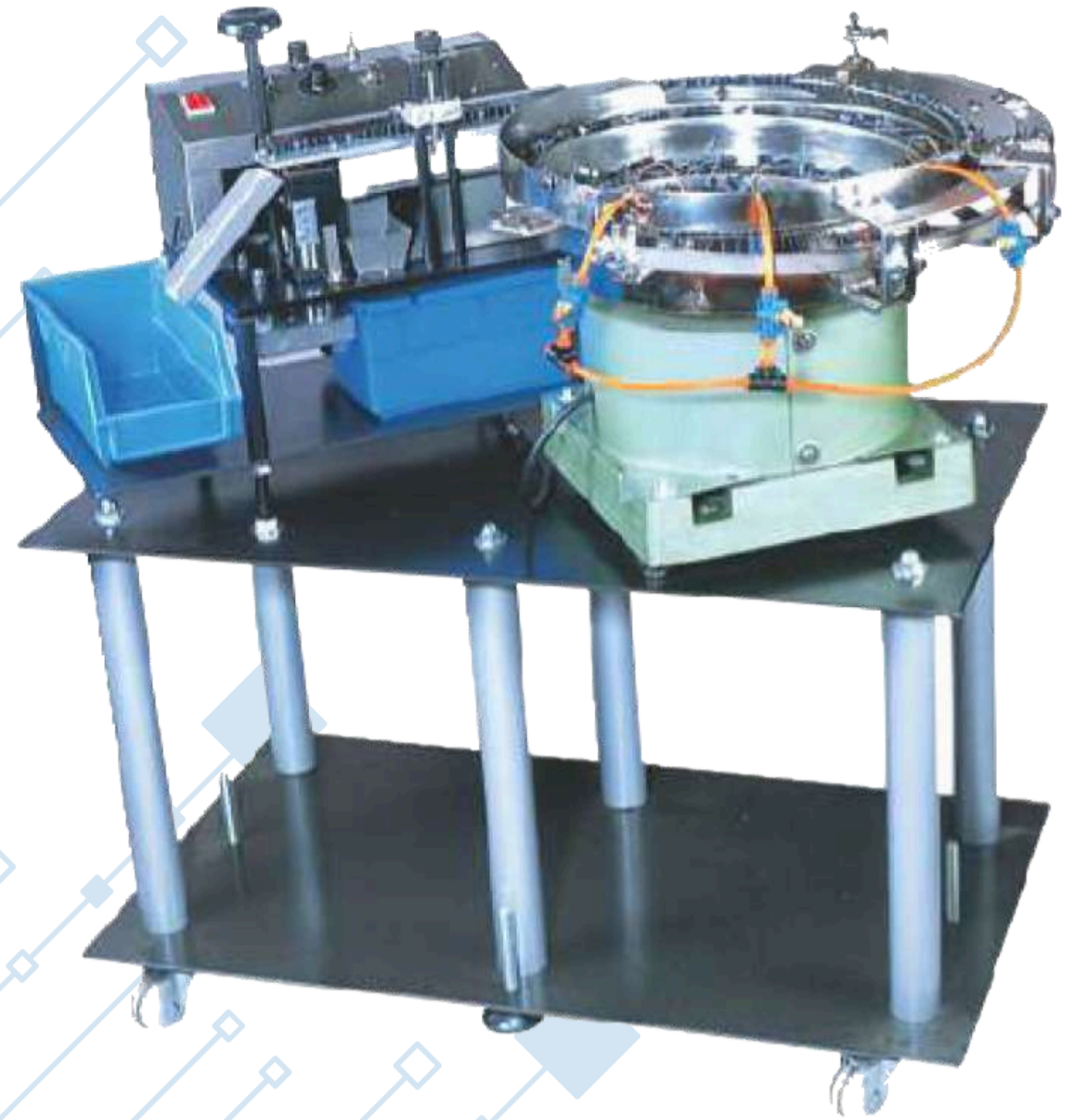
1. Multifunction:

- 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-366



CF-368

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

- Power: 110V/60Hz; 220V/50Hz R
- Dimension: 1050(L) x 1000(W) x 1000(H) mm
- Net Weight: 160 kgs
- 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.

CF-368



After-cut Lead Length	3-20mm	Adjustable
Capacity for dia. Φ 13- Φ 16	120pcs/Minute	

HCF-101

Manual Taped Radial Lead Trimmer by Hand Crank

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

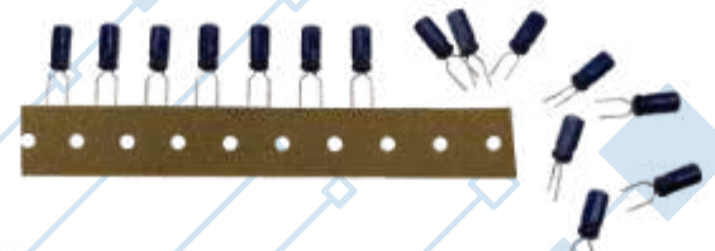
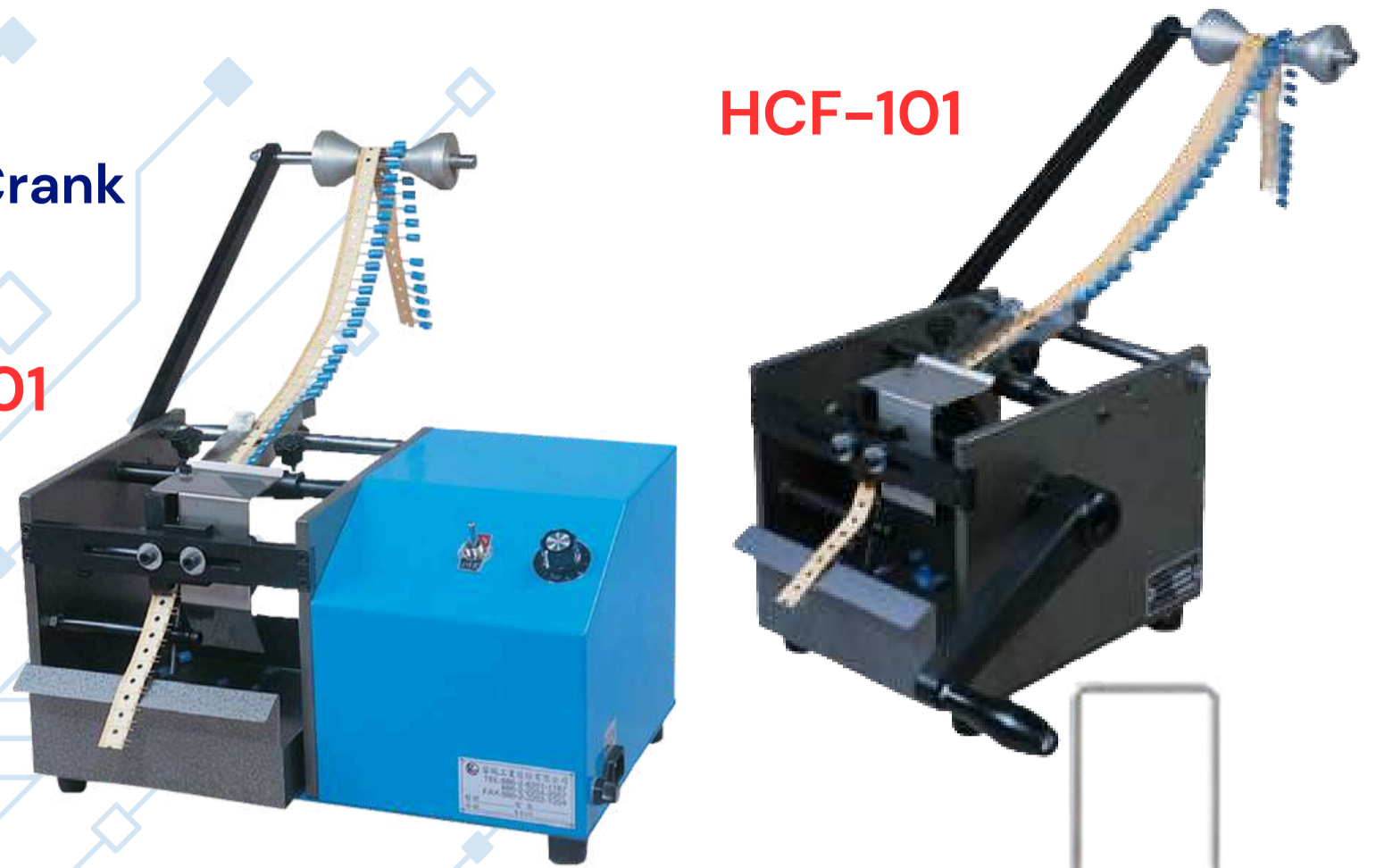
CF-101

Taped Radial Lead Trimmer

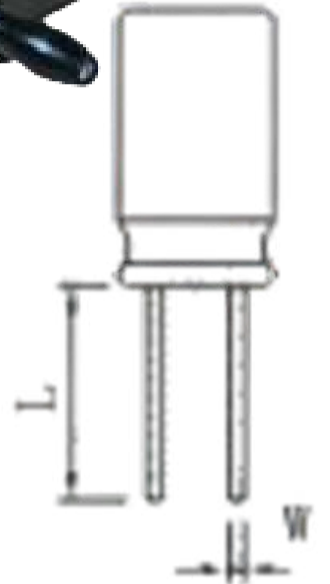
- Power: 110V/60Hz; 220V/50Hz
- Dimension: 520(L) x 380(W) x 300(H) mm
- Net Weight: 24 kgs
- Capacity: 60,000 pcs /Hour
- Quiet, high performance motor with adjustable speed.
- Cut off single-side taped radial Resistor, Capacitor, Crystal and similar components.
- Suitable for single bandoleer in roller / 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).

CF-101

HCF-101



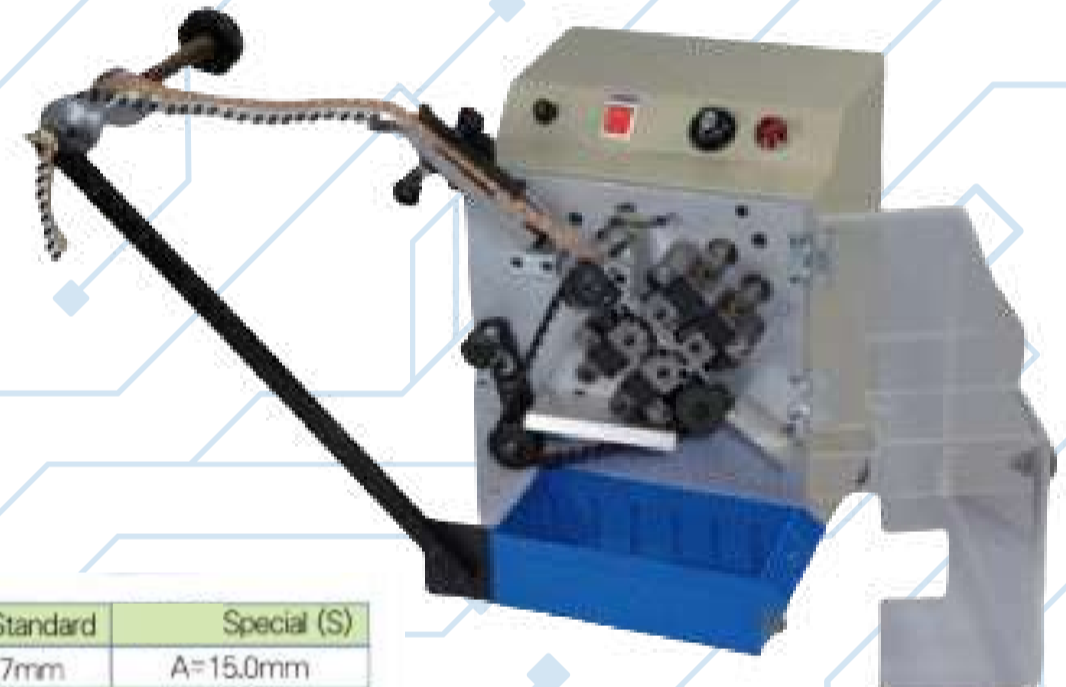
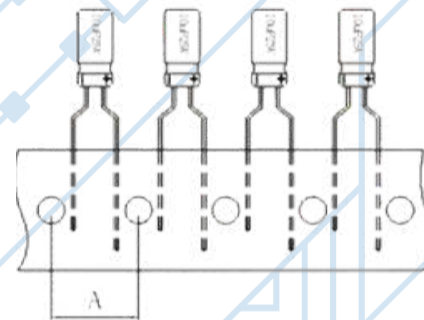
L	Lead length	3-20
W	Wire	0.4-1.0



CF-120

Auto Taped Radial Lead Forming Machine

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



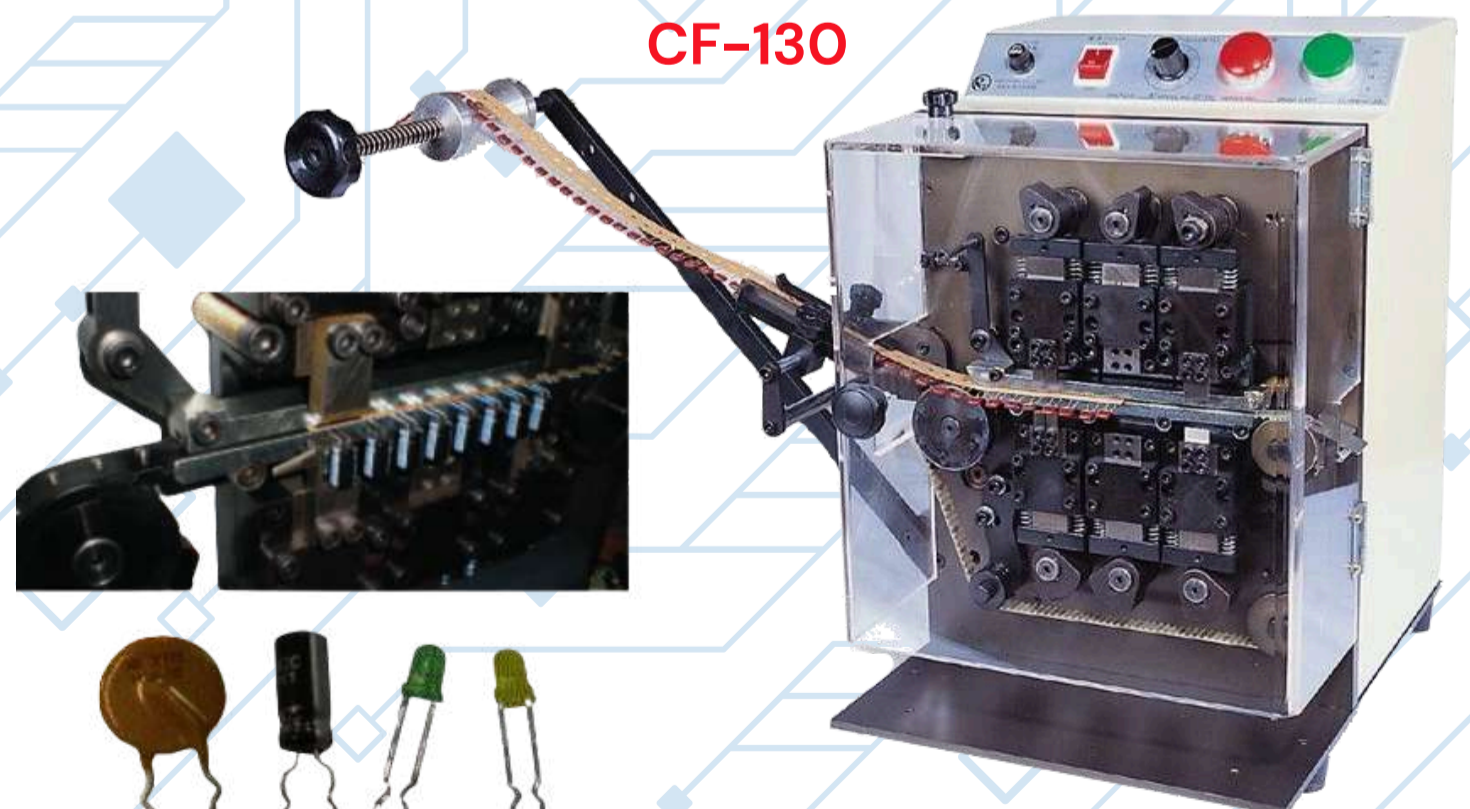
CF-120

(mm)	Standard	Special (S)
A	A=12.7mm	A=15.0mm
	Bare Hole Pitch	
	HCF-101	HCF-101S
Model	CF-120	CF-101S
	CF-130	CF-130S

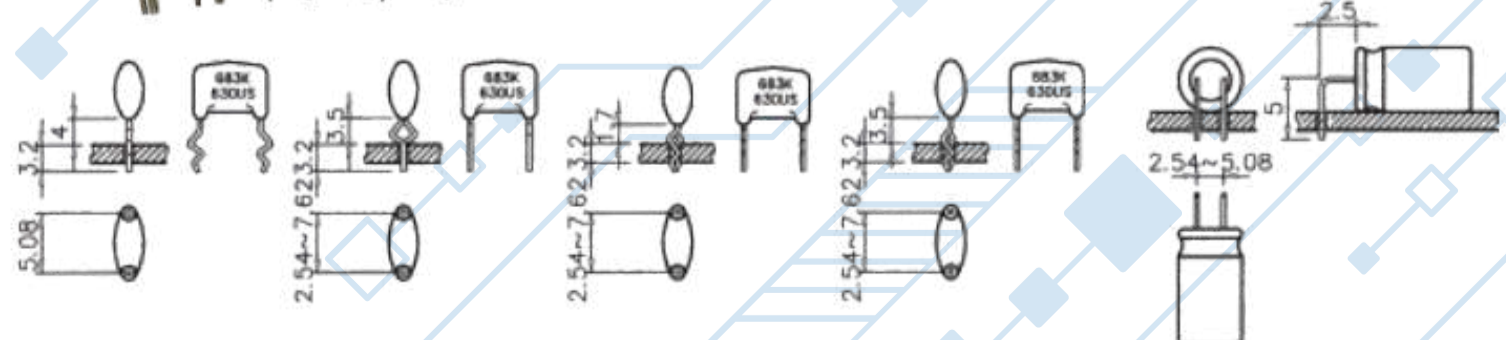
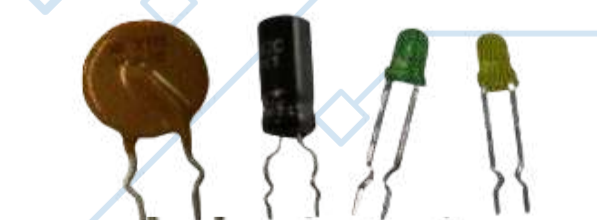
CF-130

Auto Taped Radial Lead Forming Machine

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 450(L) x 400(W) x 500(H) mm
- Net Weight: 42 kgs
- Capacity: Max. 7,200 pieces /Hour
- 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-130



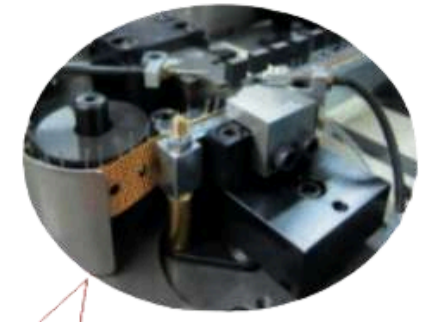
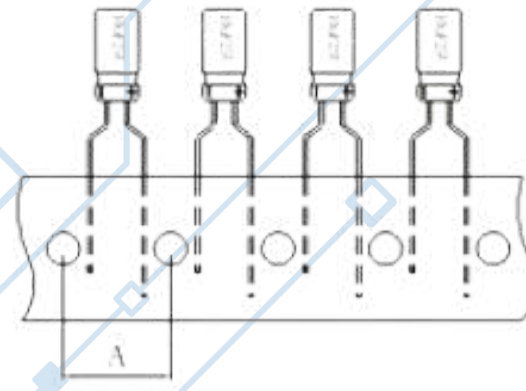
CF-180

Taped Radial Part Feeder

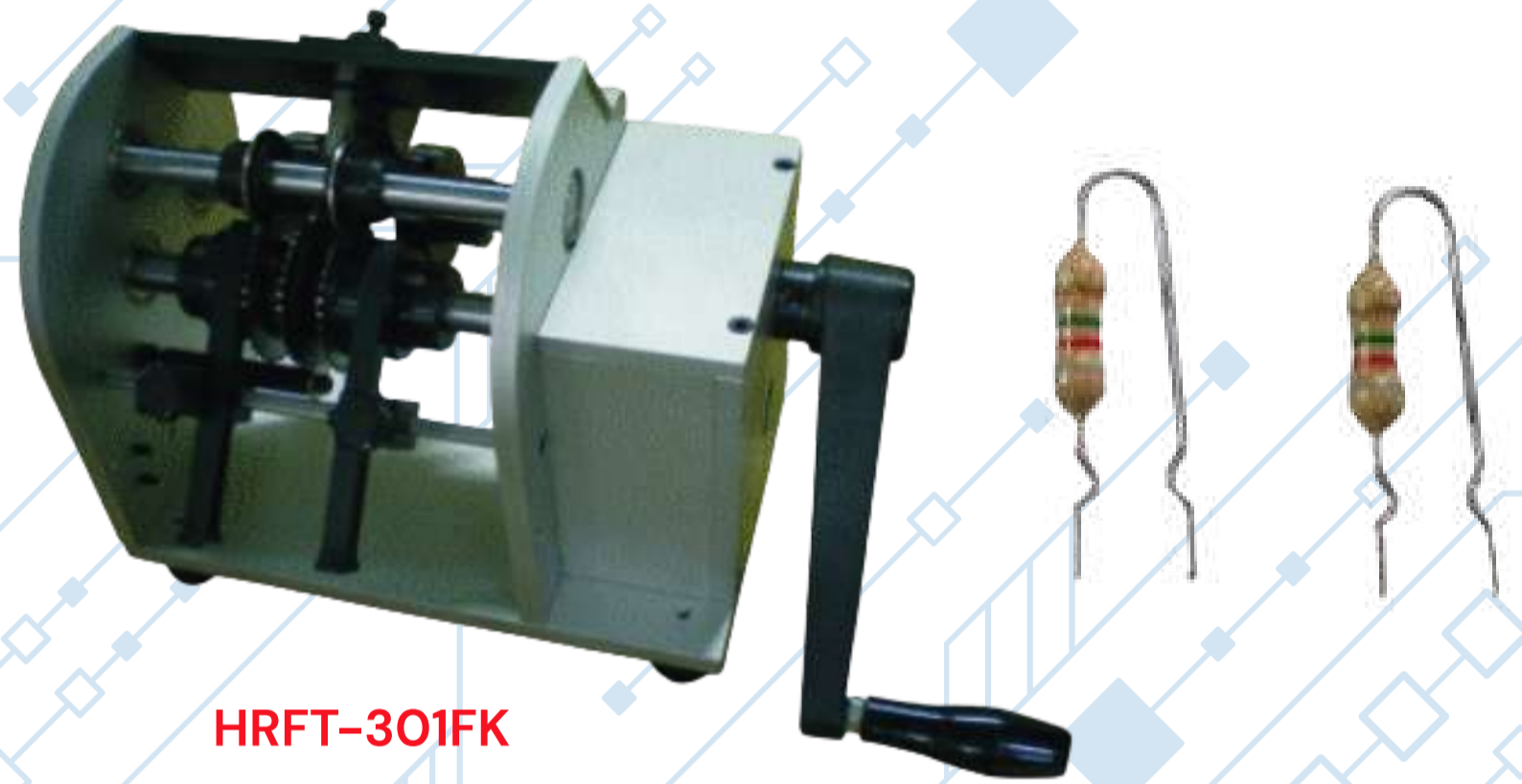
CF-180S

Taped Radial Part Feeder

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 500(L) x 250(W) x 350(H) mm
- Net Weight: 23 kgs
- Capacity: one after one
- 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-180 CF-180S: (A) = 15mm
- Max cut wire diameter: 0.8mm
- After-cut lead length is adjustable 2.5-4.0mm.



CF-130



HRFT-301FK

HRFT-301FK

Manual Taped Axial Lead Forming Machine

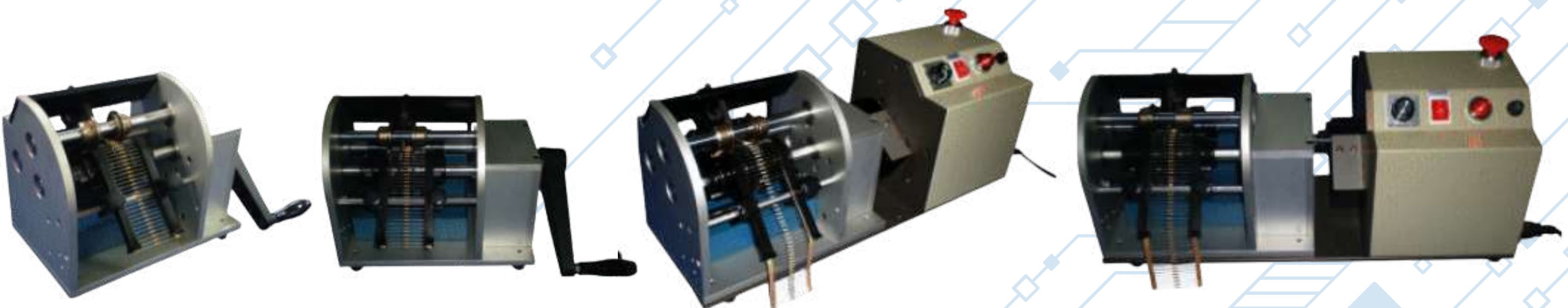
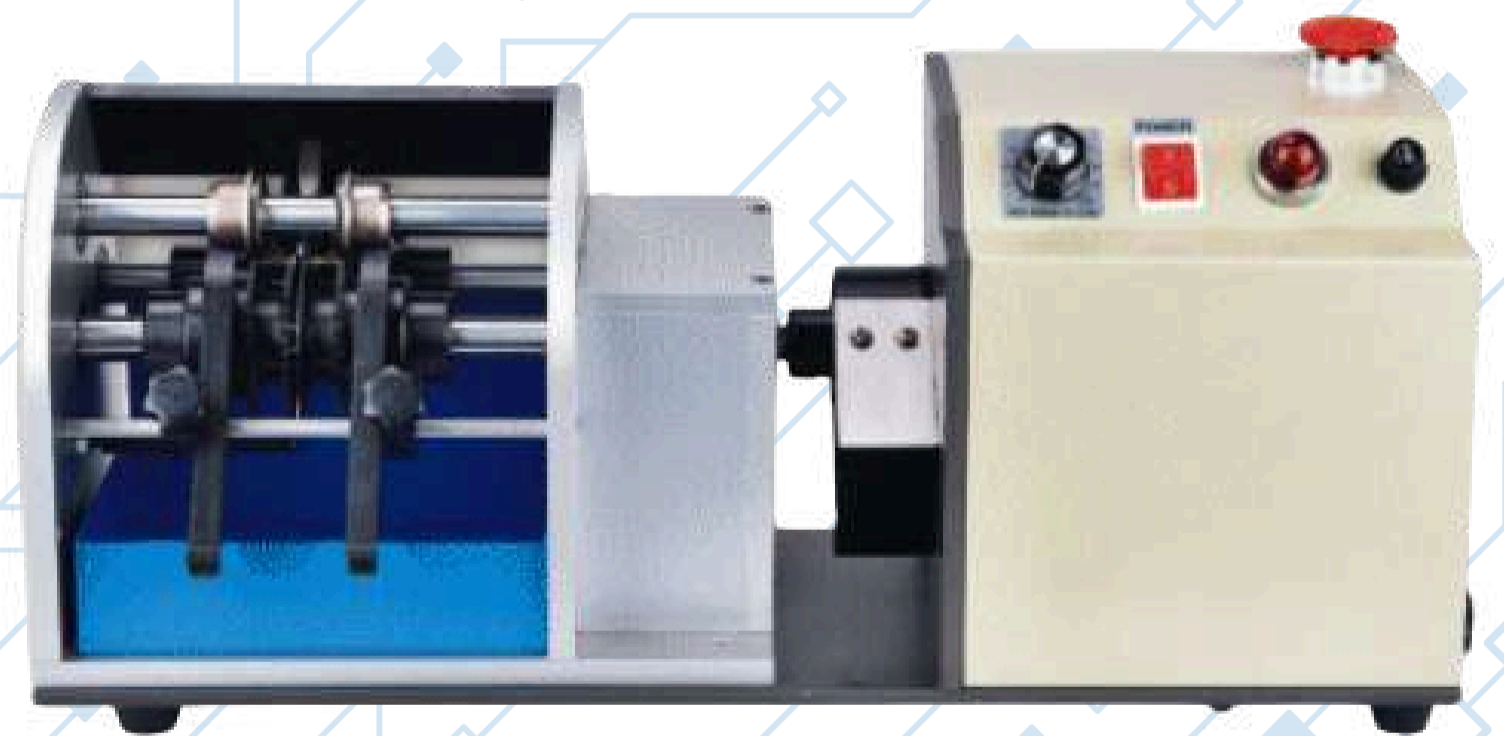
- Dimension: 430 (L) x 300 (W) x 280(H) mm
- Net Weight: 8kgs

RT-82FK

Automatic Taped Axial Lead Forming Machine

- Dimension: 430 (L) x 300 (W) x 280(H) mm
- Net Weight: 8kgs
- 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

RT-82FK

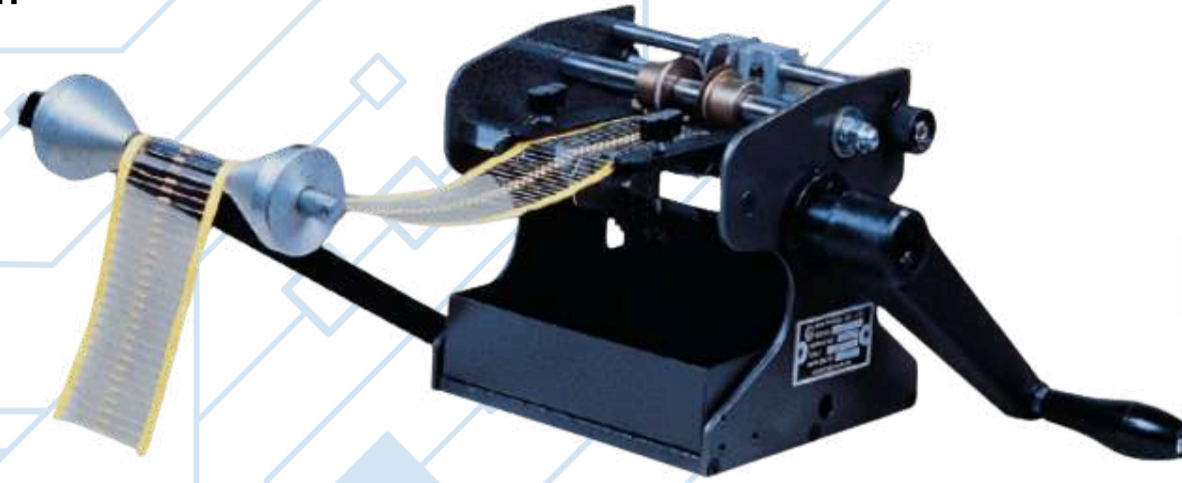


HRFT-301

Manual Taped Axial Lead Former

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

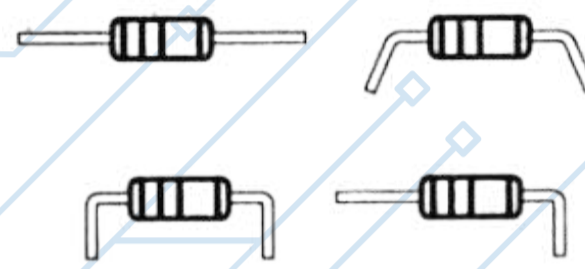
HRFT-301 Series



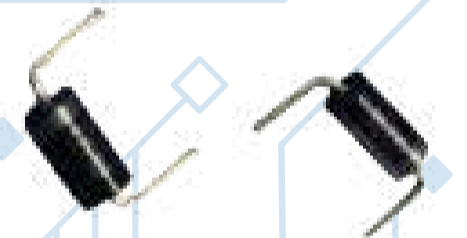
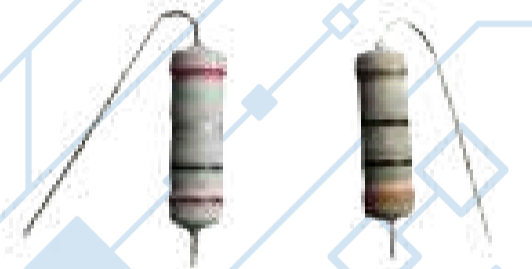
CF-180S

Taped Radial Part Feeder

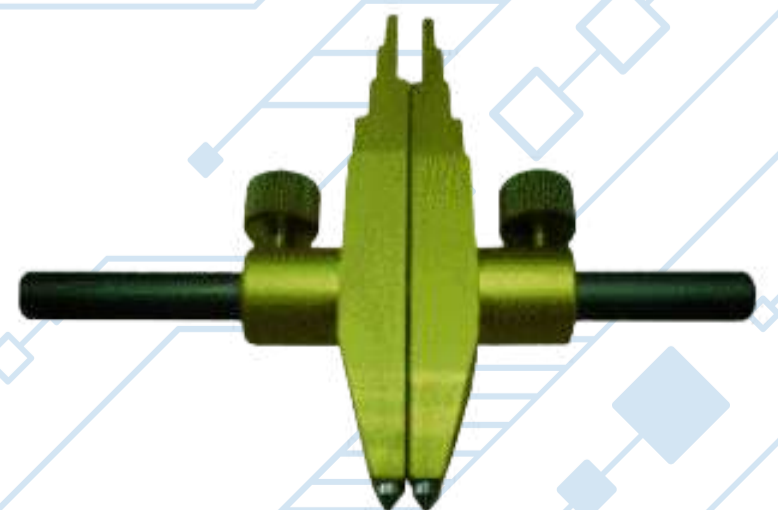
- Power: 110V50Hz; 220V/60Hz R
- Dimension: 520(L) x 380(W) x 300(H) mm
- Net Weight: 24 kgs
- Capacity: 25,000pcs/ Hour
- Easy maintenance, simple operation, and suitable for use on limited space. No training required.
- Excellent cutting or bending performance for resistors and diodes.
- The production 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



Bending Types		Slim		Standard		Heavy duty		Vertical		Cut only	
		Slim		Standard		Heavy duty		Vertical		Cut only	
Models		HRFT-301S	HRFT-301U	—	HRFT-301F	HRFT-301L					
parameters		RFT-201S	RFT-201U	RFT-201W	RFT-201F	RFT-201L					
A-	Pitch (Body Length for F)	5-40 mm	6-40 mm	6-40 mm	4-18 mm	3.5-37.6 mm					
B-	Lead Length		3.6-10 mm		Adjustable	—					
C-	Shoulder	> 0.6 mm	> 1.2 mm	> 1.2 mm	> 4 mm	> 3 mm					
D-	Body Diameter	1.5-8 mm									
H-	Support Length	—				< 25 mm	—				
W-	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 0.8					
		Φ 0.35- Φ 0.8		Φ 0.35- Φ 1.3							
P-	Pitch	—			2.5-13.5	—					
R-	Bending Angle	—			1	—					
	Motorized Capacity	40,000pcs/H	84,000pcs/H	40,000pcs/H	40,000pcs/H	40,000pcs/H					



RT-79

Taped Radial Lead Cutter by hand crank

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

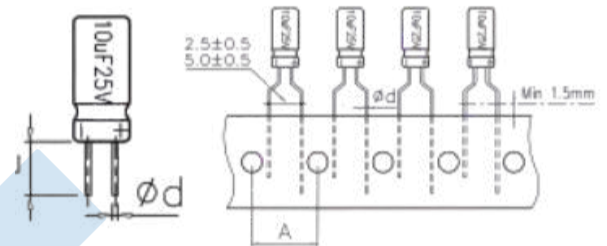
RT-70

Motorized Taped Radial Lead Trimmer

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

RT-79
RT-79S

RT-70
RT-70S



RT79+ MT1 = RT-70
RT-79 can be upgraded to RT-70 optionally!

(mm)	Standard		Special (S)	
Type	Manual	Motorized	Manual	Motorized
Model	RT-79	RT-70	RT-79S	RT-70S
Size	L	d	L	d
Min	2	0.3	2	0.3
Max	10	1.2	10	1.2

MT-1

Motorized Drive Unit

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

MT-1

RT-10

Loose Component Feeder

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

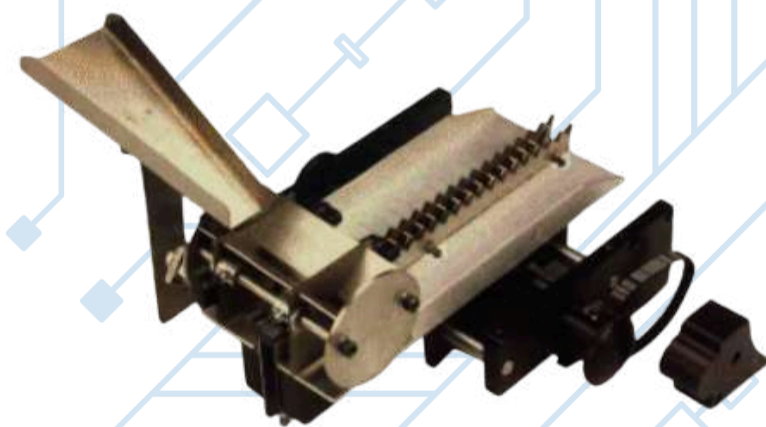
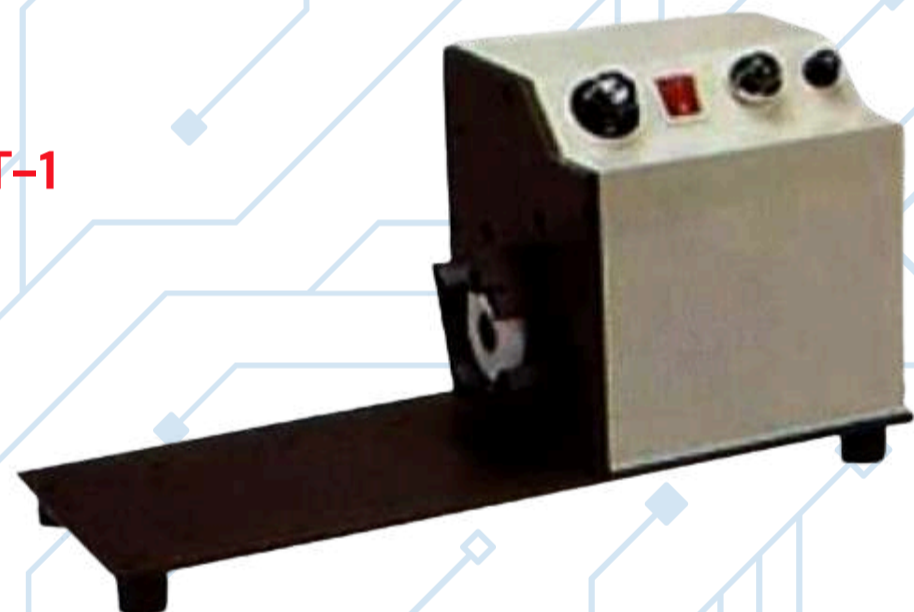
RT-10

VP-87

Bowl Feeder

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

VP-87



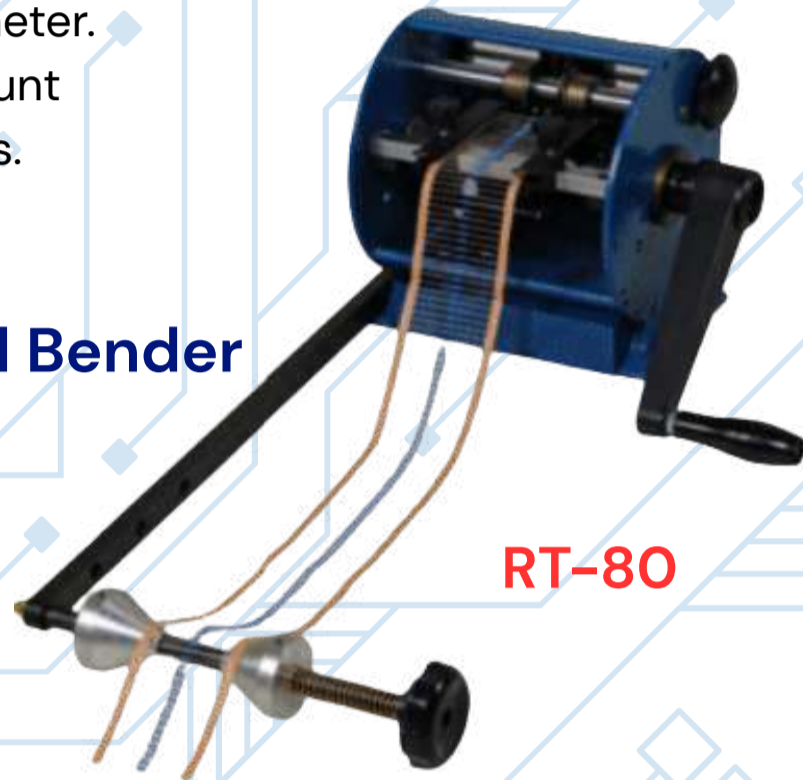
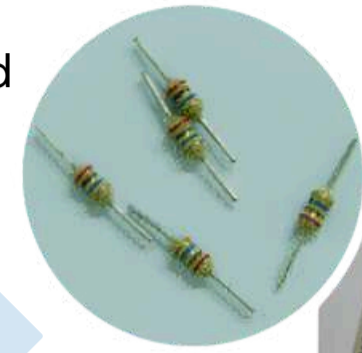
RT-8X

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

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

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

RT-80

Hand-crank Taped Axial Lead Bender

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

RT-82

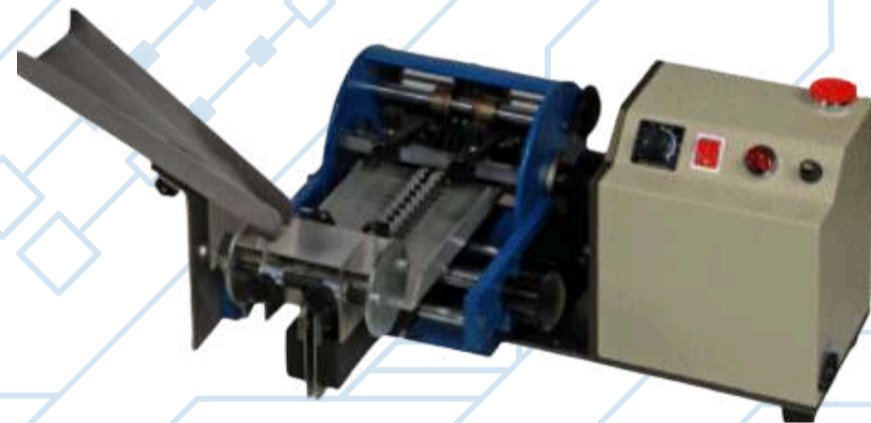
Motorized Taped Axial Lead Bender

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

RT-86

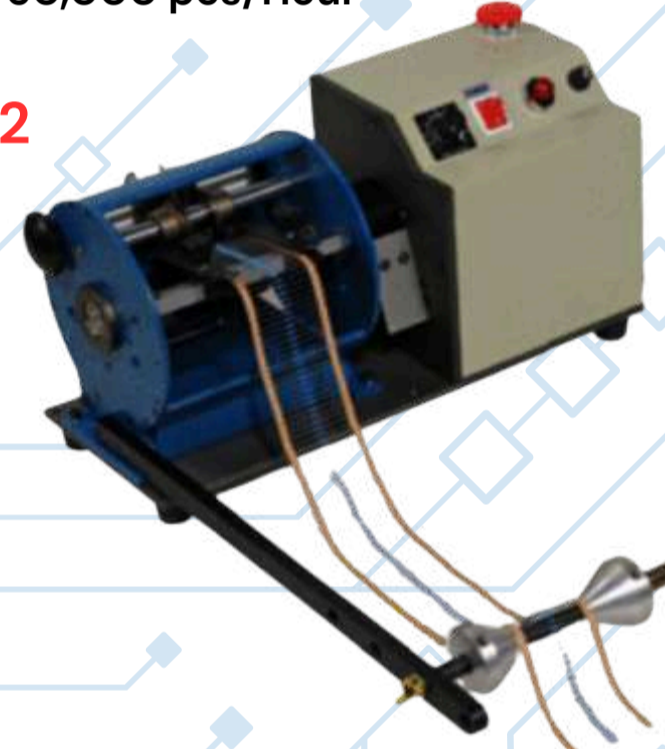
Motorized Taped and Loose Axial Lead Bender

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 470(L) x 500(W) x 235(H) mm
- Net Weight: 28kgs
- 43,000 7,200
- Capacity: Taped 43,000 pcs/Hour; Loose 7,200 pcs/H



RT-86

RT-82



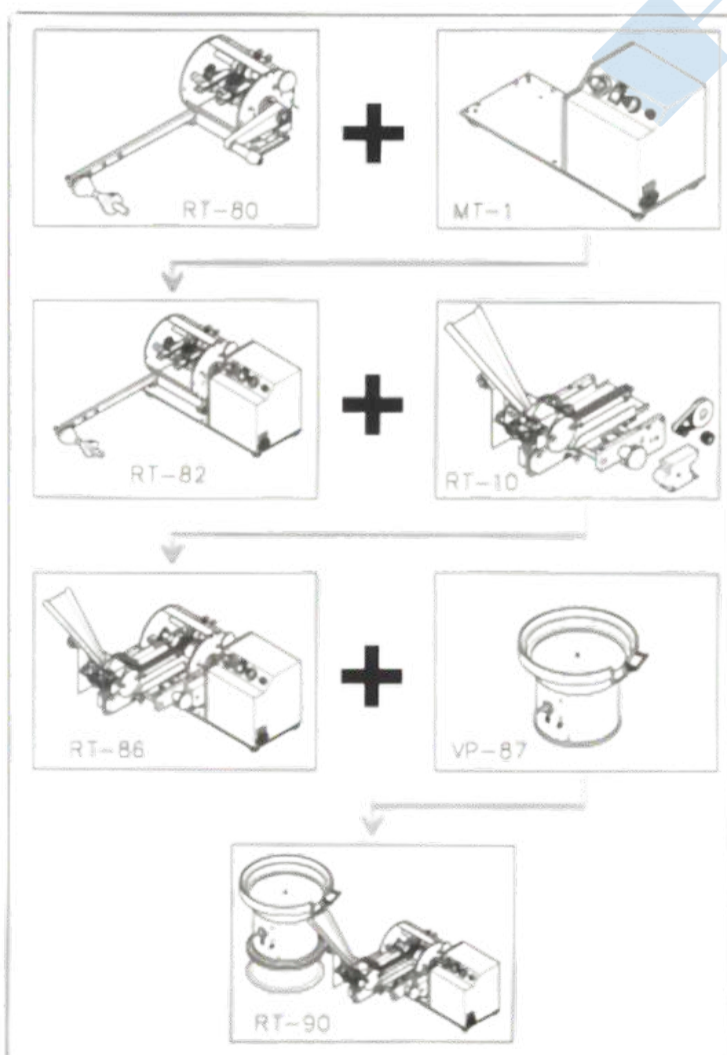
RT-90

Motorized Taped and Loose Axial Lead Bender with Bowl Feeder

- Power: 110V/60Hz; 220V/50Hz R
- Dimension: 600(L) x 590(W) x 440(H) mm
- Net Weight: 60kgs
- 43,000/9,000
- Capacity: Taped 43,000 pcs/Hour; Loose 9,000 pcs/Hour



RT-90



Bending Types					
	Standard	Slim	Heavy duty	Vertical	Cut only
Models	RT-80	RT-80S	—	RT-80F	RT-80L
Parameters	RT-82	RT-82S	RT-82W	RT-82F	RT-82L
Manual	RT-86	RT-86S	RT-86W	RT-86F	RT-86L
Motorized	RT-90	RT-90S	RT-90W	RT-90F	RT-90L
+ Hopper					
+ Bowl					
Body Length	3.5-37.6	B=2mm Please advise upon the order		3.6-18	3.5-37.6
B- Lead Length		3.5-15		2-12	—
C- Shoulder	>1.2	>0.6	>1.2	>3.5	>5
W- 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- Body Diameter		1.5-8		1.5-6	1.5-8
P- Pitch	6-40	5-40	6-40	2.5-13.5	
H- Support lead				<25	
R- R Angle		(mm)		1-3	

RF-101M

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

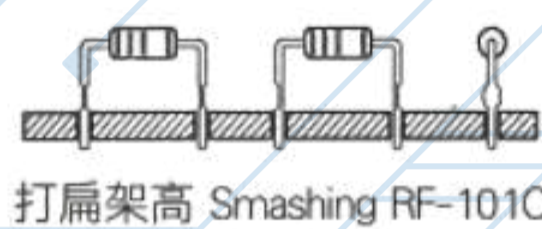
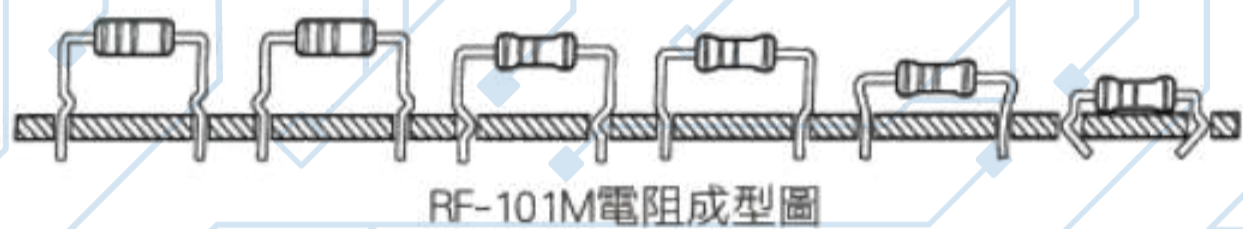
RF-101C

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

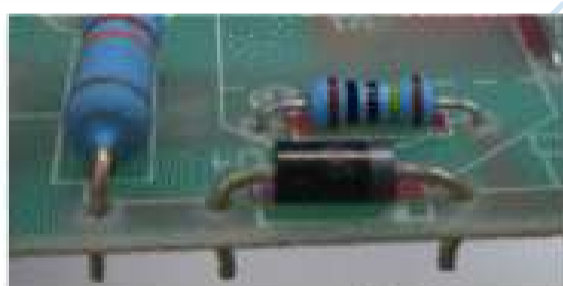
- Form axial parts (resistor, diodes, inductance) leads.
- Multitasker for the mass insertion DIP pre-forming production.
- Custom forming spec. upon request in a wide range.
- Change dies for diverse spec.

型號 Models	M=MA+MB / C=CA+CB
RF-101M RF-101C	For both loose and taped components
RF-101MA RF-101CA	For loose packed components
RF-101MB RF-101CB	For reel/tape packed components

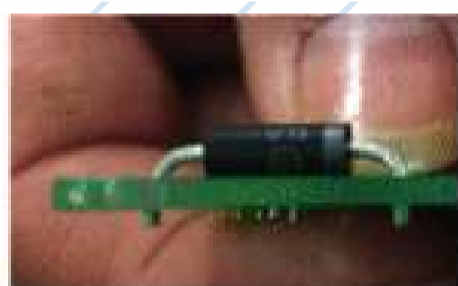
One spec. applies to one die set; different spec. changes for different die sets.



Model	RF-101C	RF-101CA	RF-101CB
	RF-101M	RF-101MA	RF-101MB
Axial Lead Horizontal Mount Forming Machine			
Type	For loose and taped parts	For loose parts only	For taped parts only
Power	110V/60Hz ; 220V/50Hz		
Dimension (L)x(W)x(H)	1140 x 730 x 750 mm	1100 x 700 x 900 mm	600 x 730 x 670 mm
Net Weight	115 kgs	105 kgs	80 kgs
Capacity	110 pcs /Minute = 6,600 pcs/Hour 600pcs of loose parts can be poured into the bowl at a time.		600pcs



RF-101M



RF-101M



RF-101M



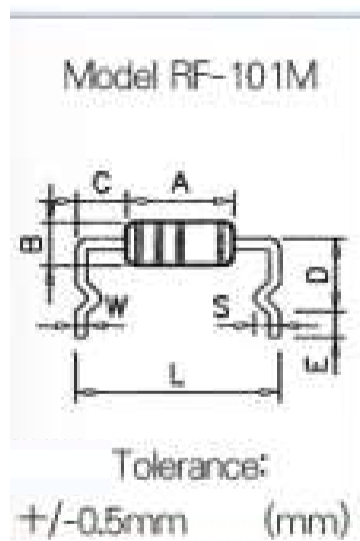
RF-101M



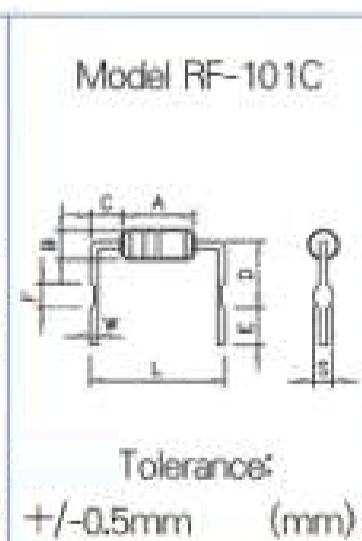
RF-101C



RF-101C



Model RF-101M



Model RF-101C

Model	RF-101M	RF-101C
A	Body length	3.8-20
B	Body diameter	2.3-8
C	Shoulder	>1.2
D	Height (Critical)	固定數值 Fixed at 8mm or other
E	Lead length	Adjustable
F	Punching Height	固定2 (Fixed)
S	Supporting point	2-3 W+0.4-1.5mm
L	Pitch	A + 2C
W	Wire diameter	Φ 0.4-Φ 1.3 Φ 0.6-Φ 1.3

RF-101C

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

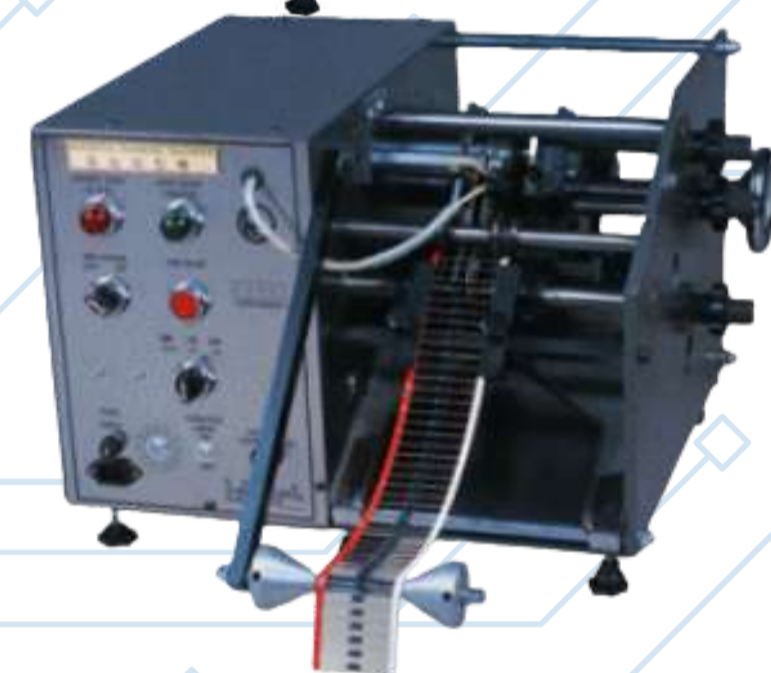
- Power: 110V/60Hz; 220V/50Hz
- Dimension: 950(L) x 250(W) x 500(H) mm
- Net Weight: 35 kgs
- Capacity: one after one
- Design for the Insertion Machine which can pick and insert taped parts right after formed and cut.
- Suitable for taped axial parts in ammo box or reel.
- MK formed shape, U bend shape or other customized forming shape and spec. are available for customization.



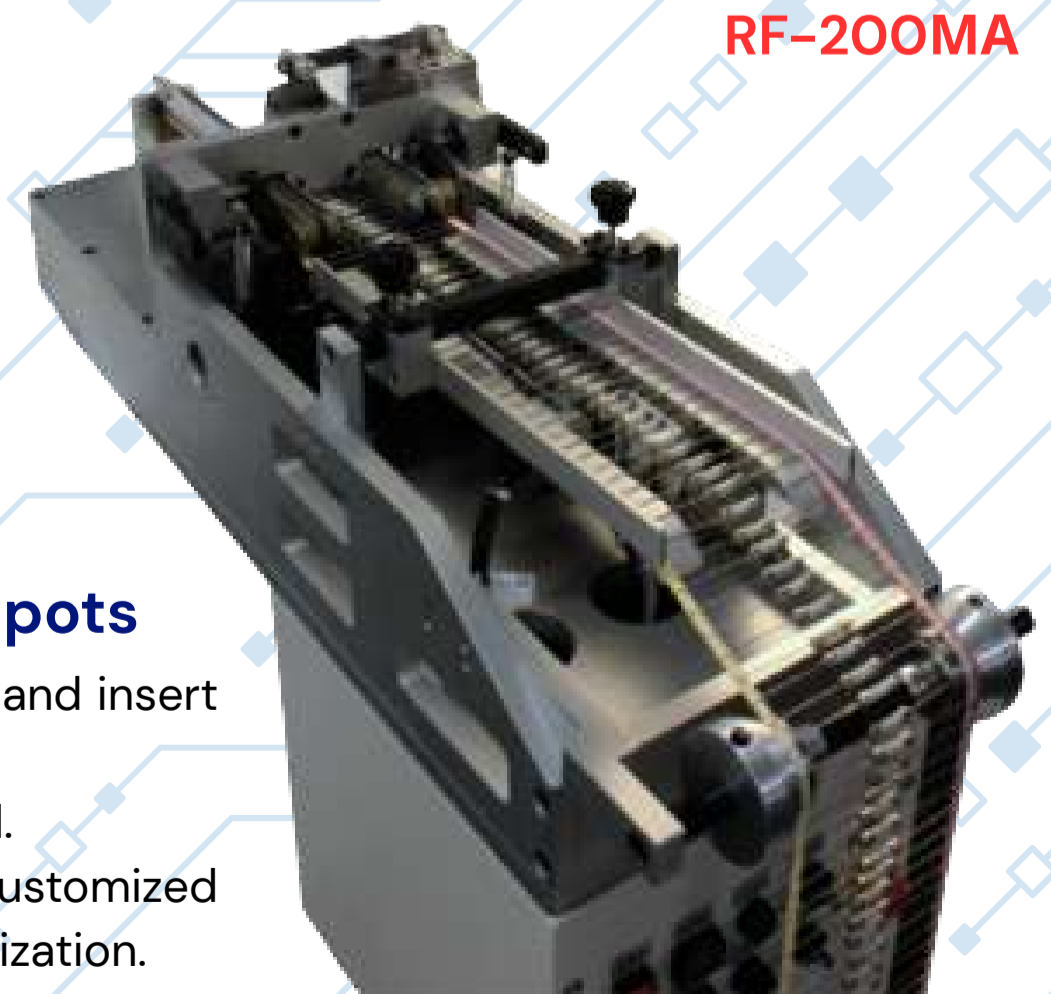
RF-101M
RF-101C



RF-101MA
RF-101CA



RF-101MB
RF-101CB

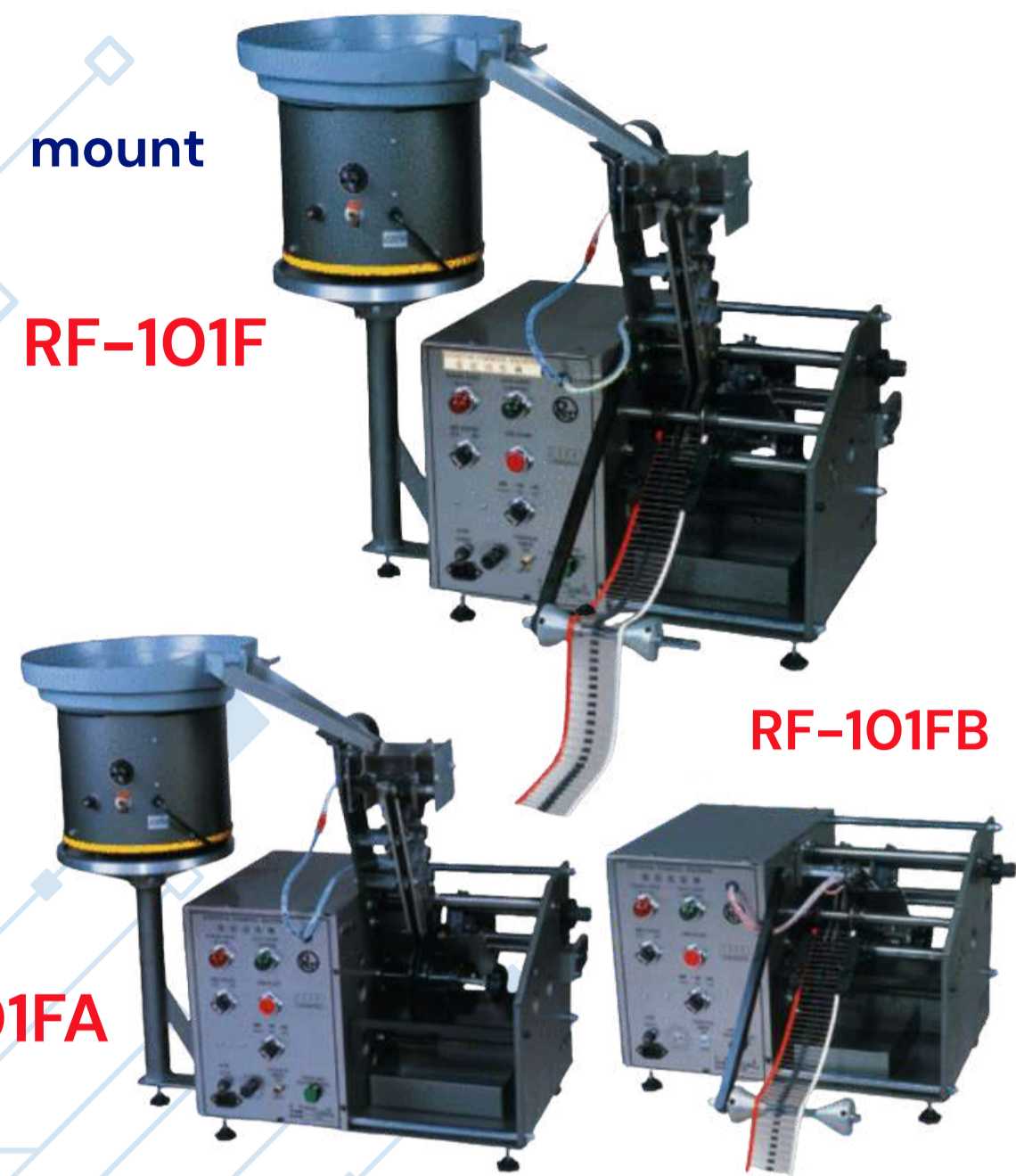
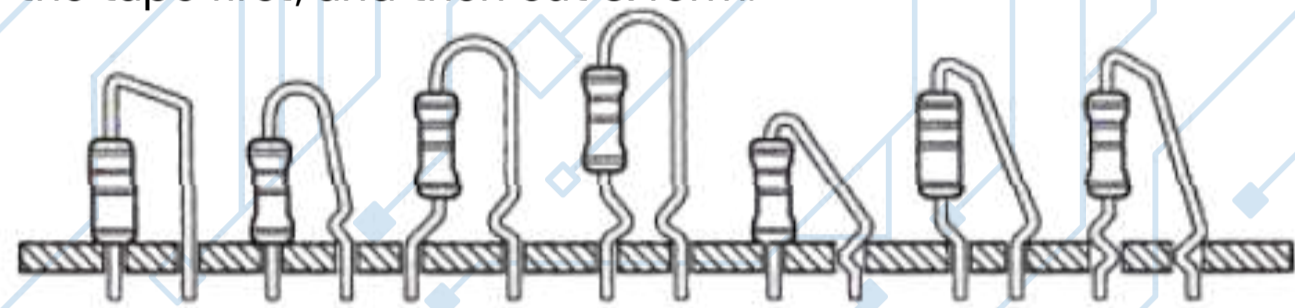


RF-200MA

RF-101F

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

- 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.
- **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.



(mm)	Model	RF-101F
A	Body length	3.8-20
B	Body diameter	2.3-8
C	Shoulder	>1.2
D	Height (Critical)	>5mm Fixed at 5 mm or more
E	Lead length	Adjustable
P	Pitch	2.5 Fixed at certain
W	Wire diameter	Φ 0.4- Φ 1.5mm

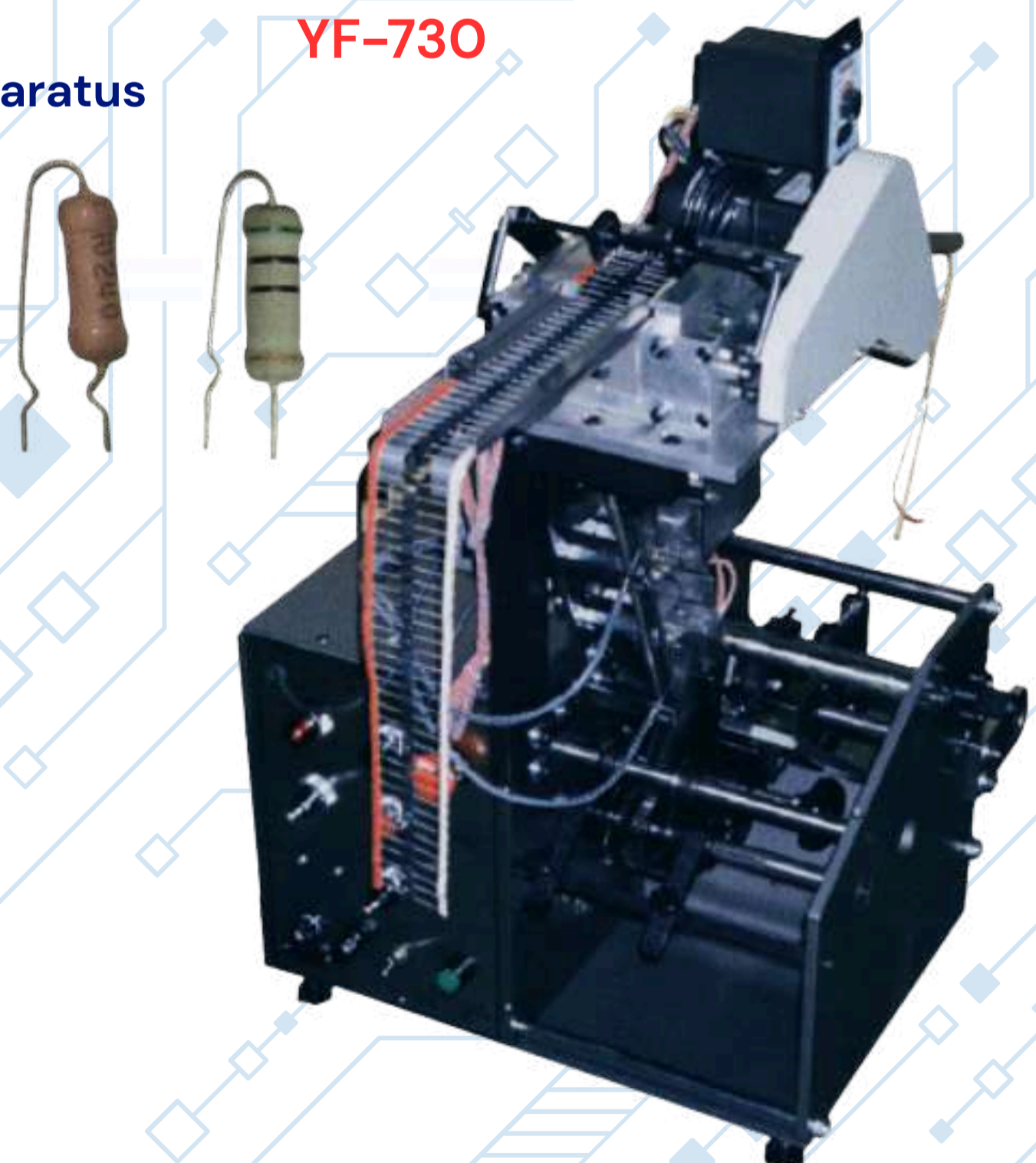
Tolerance: +/-0.5mm

Model	RF-101F	RF-101FA	RF-101FB
Axial Lead Horizontal Mount Forming Machine			
Type	For loose and taped parts	For loose parts only	For taped parts only
Power	110V/60Hz ; 220V/50Hz		
Dimension (L)x(W)x(H)	1130 x 760 x 850 mm	1100 x 680 x 700 mm	800 x 700 x 600 mm
Net Weight	115 kgs	75 kgs	65 kgs
Capacity	110 pcs /Minute = 6,600 pcs/Hour 600pcs of loose parts can be poured into the bowl at a time.		

YF-730

YF-730 Axial Lead Forming Machine with Tape Ripping Apparatus

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 650(L) x 550(W) x 850(H) mm
- Net Weight: 80kgs
- Capacity: 6,600 pcs/Hour
- 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



RT-500

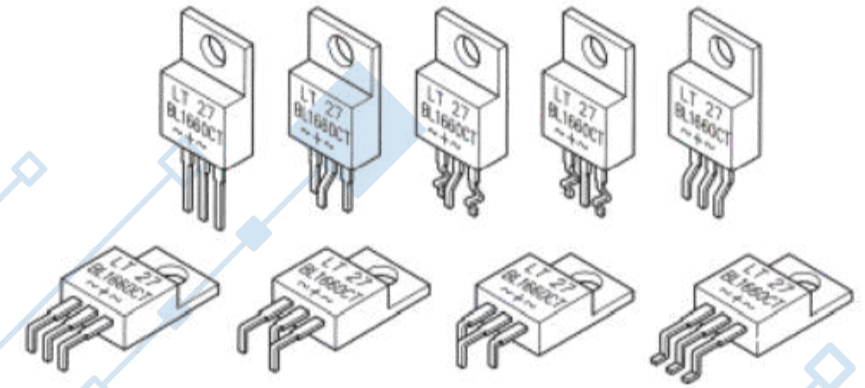
Power Transistor Lead Forming Machine

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 460(L) x 360(W) x 340(H) mm
- Weight: 29kgs
- Capacity: Max. 6,000pcs/Hour
- 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

Power Transistor Lead Forming Machine with CE mark and safety cover protection

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 460(L) x 360(W) x 340(H) mm
- Weight: 29kgs
- Capacity: Max. 6,000 pcs/Hour
- 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

Automatic Tube Component Feeder

- Power: 110V/60Hz; 220V/50Hz R
- Dimension: 980(L) x 550(W) x 1700(H) mm
- Net Weight: 29kgs
- 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.

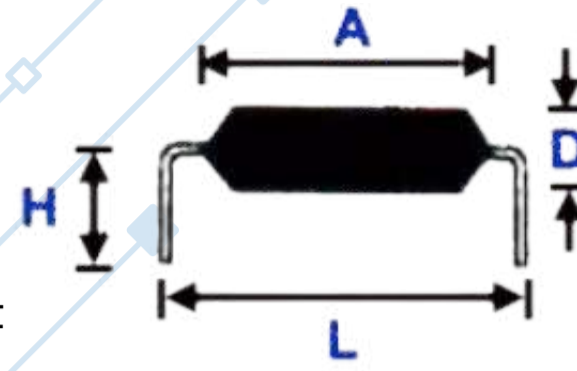
I.C. Lead Aligning Machine – Roller Press

3 Seconds for one stick

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

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 330(L) x 250(W) x 330(H) mm
- Net Weight: 5 kgs
- 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	Body Width	6-18mm
H	Lead Length	4-9.5mm
D	Thickness	3-12mm
L	Working Width	0.3"-0.75"
Capacity		3 sec./tube



ICF-100



ICF-106 I.C.

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

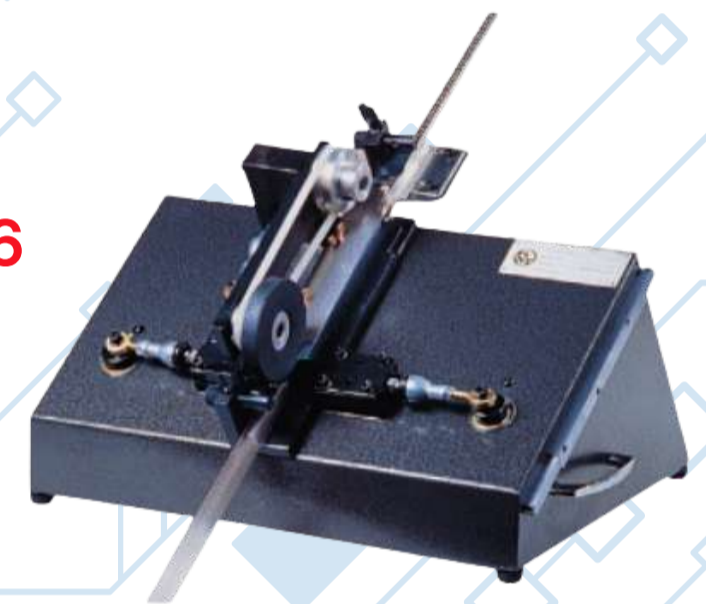
Three purposes: Align, Cut (ICF-106C) & Form (ICF-106K)

- Power: 110V/60Hz; 220V/50Hz R
- Dimension: 500(L) x 400(W) x 360(H) mm
- Net Weight: 17 kgs
- Wide application on the various types of I.C., 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. I
- CF-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	Body Width	6-20mm
H	Lead Length	4-12.7mm
D	Thickness	3-12.7mm
L	Working Width	0.3", 0.4", 0.6", 0.75"
Capacity		7 sec./tube

ICF-106



M-831

Component Counter – for DIP and SMD

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

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 350(L) x 300(W) x 280(H) mm
- Net Weight: 6kgs
- Min. leads diameter: 0.35mm
- 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

SMD Component Counter – for SMD only

- Power Consumption: 30W
- Count Capacity: -99999-99999
- Power: AC110V (60HZ) / AC220V(50/60HZ)
- Dimension LXWxH(mm): 289x419x177 mm
- Net Weight: 6 kgs
- 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.



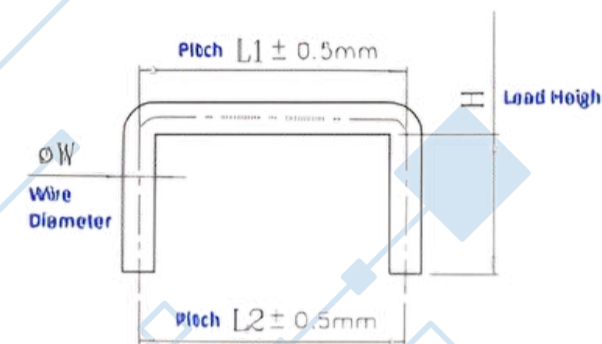
RTM-12n

JF-600

Jumper Wire Forming Machine – Classic and long-lasting

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 440(L) x 440(W) x 570(H) mm
- Net Weight: 41 kgs
- Capacity: 7,500pcs/Hour
- 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.
- 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



Mode	JF-600	JF-600W
Type	Standard	Heavy-Duty
H	Lead Length	Fixed at certain spec.
L	Lead Width	5 - 42 mm
W	Wire Diameter	φ 0.6-0.7mm

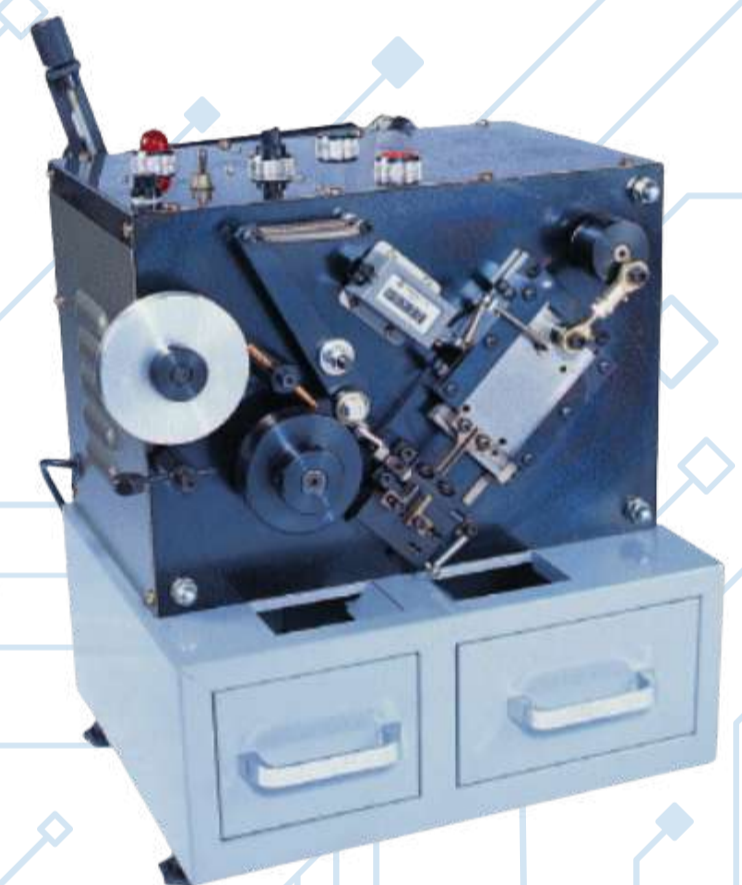
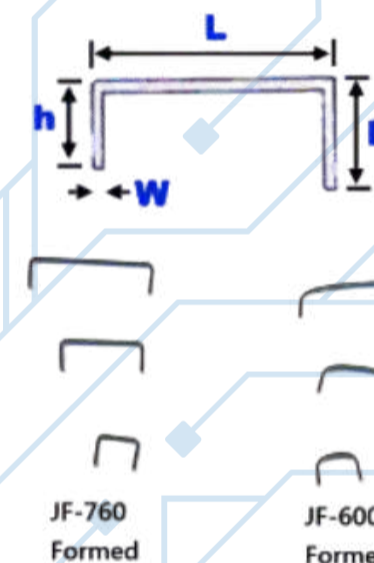
JF-600X

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

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 440(L) x 440(W) x 570(H) mm
- Weight: 37 kgs
- apacity: 7,500pcs /Hour

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

- 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.



JF-600X

JF-760

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

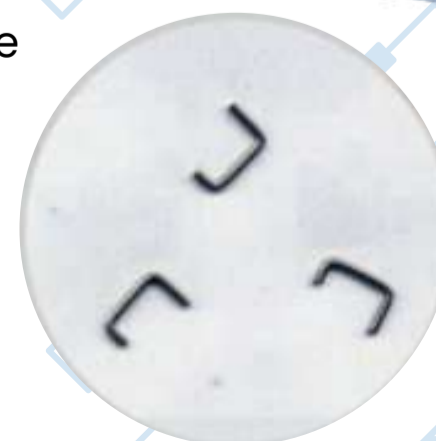
- Power: 110V/60Hz; 220V/50Hz
- Dimension: 800(L) x 400(W) x 600(H) mm
- Net Weight: 44 kgs
- Capacity: 7,500 pcs/Hour

- 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).

Please indicate on the order:

1. The Lead length (H) is fixed. Kindly specify in the order. JF-760
2. If the wire diameter is thicker than 0.8mm, please, specify in the order.

JF-760



KA-8

PCB Lead Cutter, by hand pushing

- 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 KA-8 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



Model (mm)	KA-8	KA-66
Type	Manual feeding	Automatic
Thickness Range	0.8 - 1.2 & 1.6 - 2.0	0.8-2.5
RPM of Spindle	4500	4500
HP	1/2 HP	3/4 HP
Feeding Speed	Depend on the operator	0-3 M / minute
MIN. Lead Height	1.0mm	1.0mm
(L) x (W) MAX.PCB Working Sizes	400 x 270	500x280
Dimension	1050(L) x 570(W) x 750(H)	900 x 670 x 800
Power	110V/60Hz ; 220V/50Hz	220VAC,50/60HZ
Net Weight	73 kgs	115 kgs

KA-66

Automatic PCB Lead Cutter

- 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 ave 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

Automatic Twin Blades PCB Lead Cutter

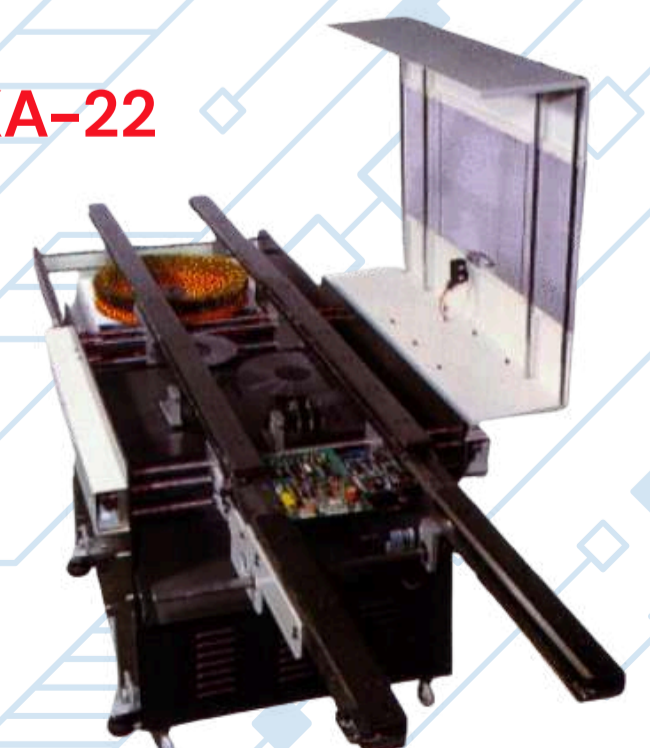
- PCB width range:10-420mm
- The optional Copper Brush cleans the after-cut residuals.
- Link with the soldering machine into the massive production is available.
- he height of the front and back conveyors is adjustable to meet various kinds of connection.
- PCB Wrap-proof device is equipped.
- The Tungsten Carbide Blades are excluded in the machine.

Model (mm)	KA-22
Type	Twin blade + Brush
Thickness Range	0.8-2.5
RPM of Spindle	4500
HP	3/4 HP
Feeding Speed	0-3 M / minute Adjustable
RPM of Brushing	600 RPM / 1/5HP Brass/Copper Brush
MIN. Lead Height	1.0mm
(L) x (W) MAX.PCB Working Sizes	10-420
Dimension	2700x 1200 x 1100
Power	380V,Single phase
Net Weight	350 kgs



KA-22

KA-22



KA-B6

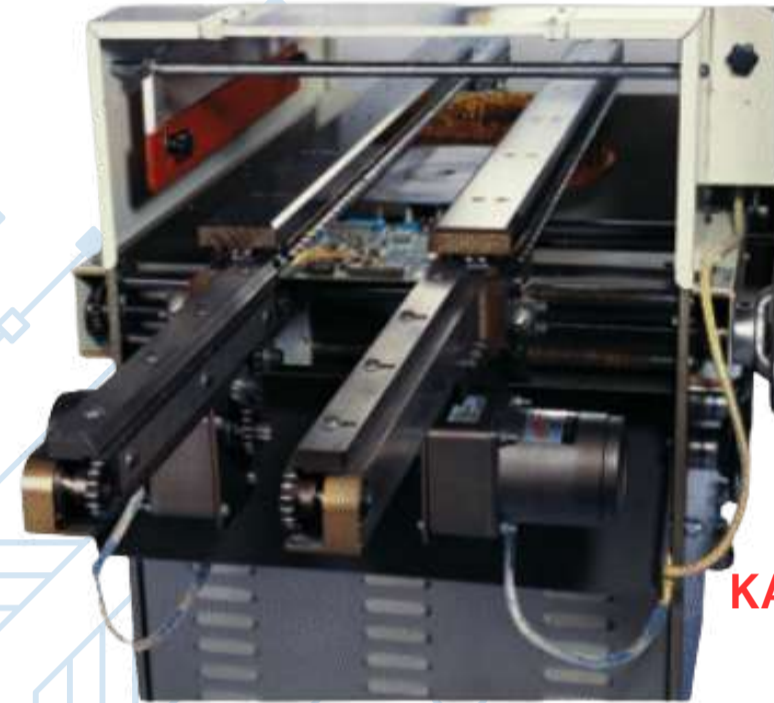
Automatic PCB Brushing and Lead Cutting Machine

- 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.

Model (mm)	KA-B6	
Type	Automatic + Brush	
Thickness Range	0.8 - 2.5	
RPM of Spindle	4500	
HP	3/4 HP	
Feeding Speed	0-3 M / minute	Adjustable
RPM of Brushing	600 RPM / 1/5HP Brass/Copper Brush	
MIN. Lead Height	>1.0 mm Adjustable	
(L) x (W) MAX.PCB Working Sizes	500 x 280	
Dimension	1160 x 730 x 800	
Power	220V AC, 50/60HZ	
Net Weight	200 kgs	



KA-B6



KA-B6-IN



KA-B6-OU



KA-B6-F

KA-B6

Equipped Standard Accessories

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

Optional Accessories

KAB6-IN Inlet connecting conveyor

Wave soldering machine → Inlet connecting conveyor → PCB Lead Wire Cutting Machine → Brush away residuals → Finish and send out.

KAB6-OU Outlet connecting conveyor

Wave soldering machine → Inlet connecting conveyor → PCB Lead Wire Cutting Machine → Brush away residuals → Finish and send out.

KAB6-F Connection Frame

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.

Brass/Copper Brush

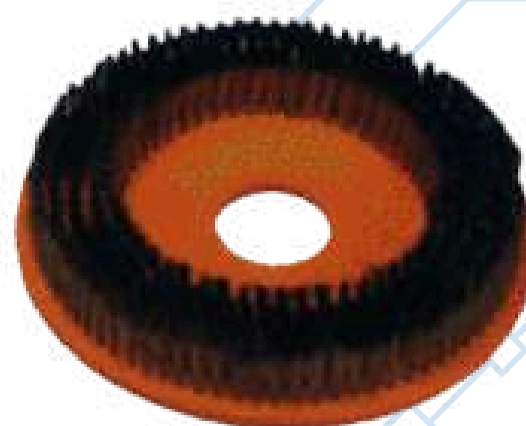
- Diameter at 250mm for KA-B6.
- Diameter at 320mm for KA-22.

Tungsten Carbide Steel Blade

- Diameter at 200mm(8").
- Diameter at 250mm(10").



BK-250



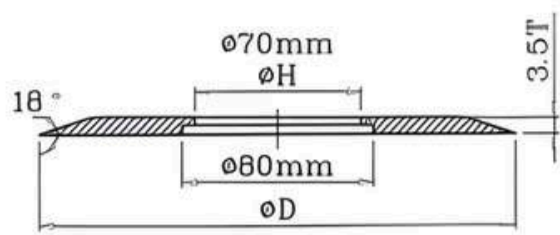
BK-320

NK-200 NK-250

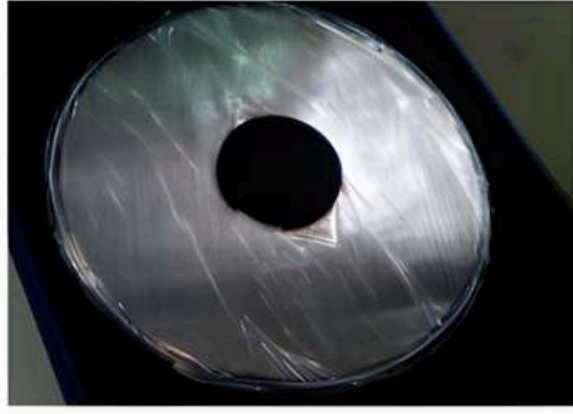
Tungsten Carbide Steel Blade

- 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

Blade Re-sharpening Machine

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.

Model	(mm)	KA-680
RPM of Spindle		3000
Cutting Angle		Adjustable 17° - 22°
Diamond Wheel		125D-6W-2X-35T-14E-31.75H
Power		220V 50/60HZ
Capacity		20 20 minutes/pc
Dimension		800(L) x 750(W) x 1200(H) mm
Net Weight		135 kgs

KA-680

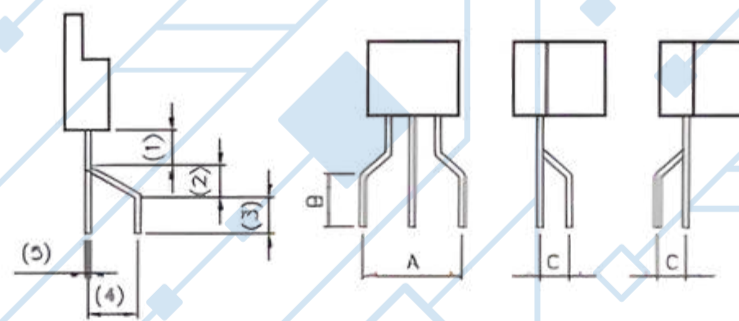


RT700
+YF900

YF-900

Automatic Transistor Lead Forming Machine

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 1050(L) x 600(W) x 900(H) mm
- Weight: 140kgs
- Capacity: 3,600pcs/Hour



- 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 Sensd Sensor. •
- RT-700, Automatic Tube Feeder, can be purchased and applied optionally



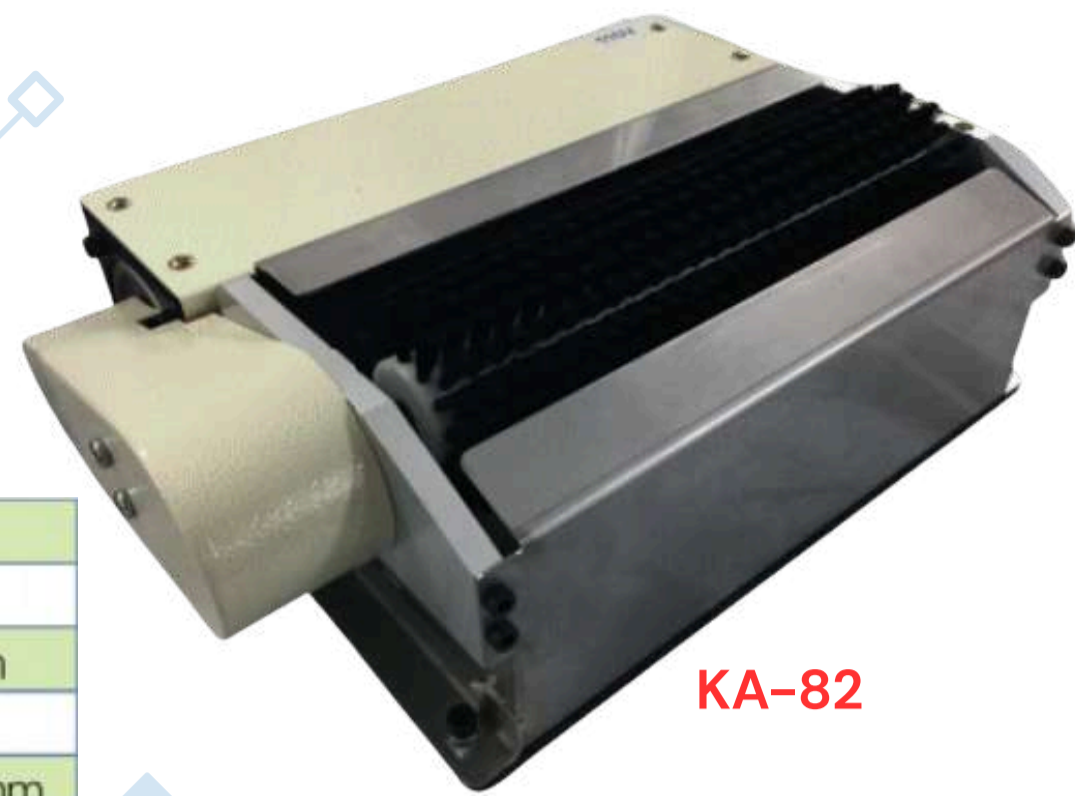
YF-900

KA-82

Roller Brushing Machine

- Roller 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.

Model	(mm)	KA-82	KA-82W
RPM of Speed		0 ~ 500 RPM adjustable	
Roller Brush size		ψ 40 x ψ 80 x 250(L) mm	ψ 40 x ψ 80 x 400(L) mm
Tank Volume		2.1 Liters	3.2 Liters
Dimension		320(L) x 320(W) x 140(H) mm	470(L) x 320(W) x 140(H) mm
Power		110V/60Hz ; 220V/50-60Hz	
Net Weight		13 kgs	15kgs



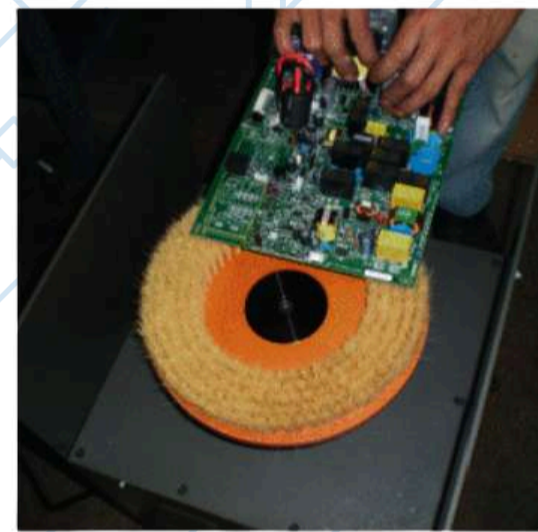
KA-82

KA-83

PCB Brushing Machine - by hand holding

- 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.

Model	(mm)	KA-83
RPM of Spindle		600
Brush Diameter		ψ 250 mm
MAX. PCB Working Size		400mm(L) x 270mm(W)
Dimension (mm)		500(L) x 500(W) x 700(H)
Power		110V/60Hz; 220V/50Hz
Net Weight		50 kgs



KA-83



KA-B80

Automatic PCB Brushing Machine

- 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.

Model	(mm)	KAB80
RPM of Speed		0 - 3 M adjustable
PCB working size		10mm ~ 400mm
RPM of brusher		0 ~ 700 rpm
Dimension		1200(L) x 780(W) x 900(H) mm
Power		220V/50Hz
Net Weight		160kgs
Tank Volume		15 liters



KA-B80 PCB



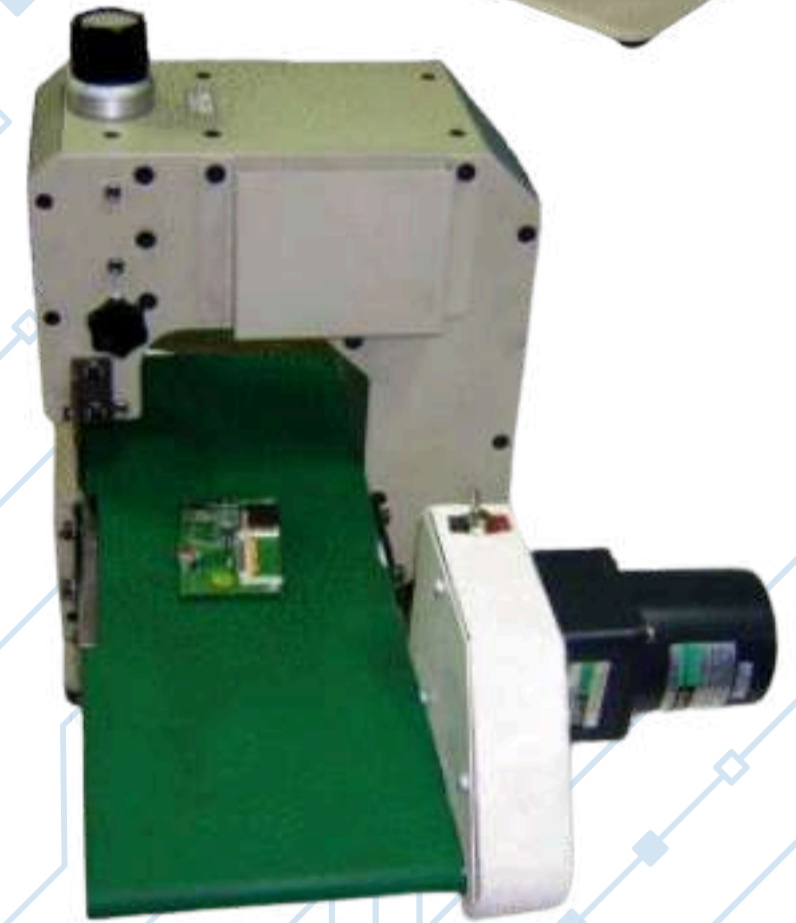
KA-B80

NTG-520N

Pre-scored PCB Depaneling Machine – Roller slice

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 430(L) x 430(W) x 520(H) mm
- Net Weight: 36 kgs
- 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

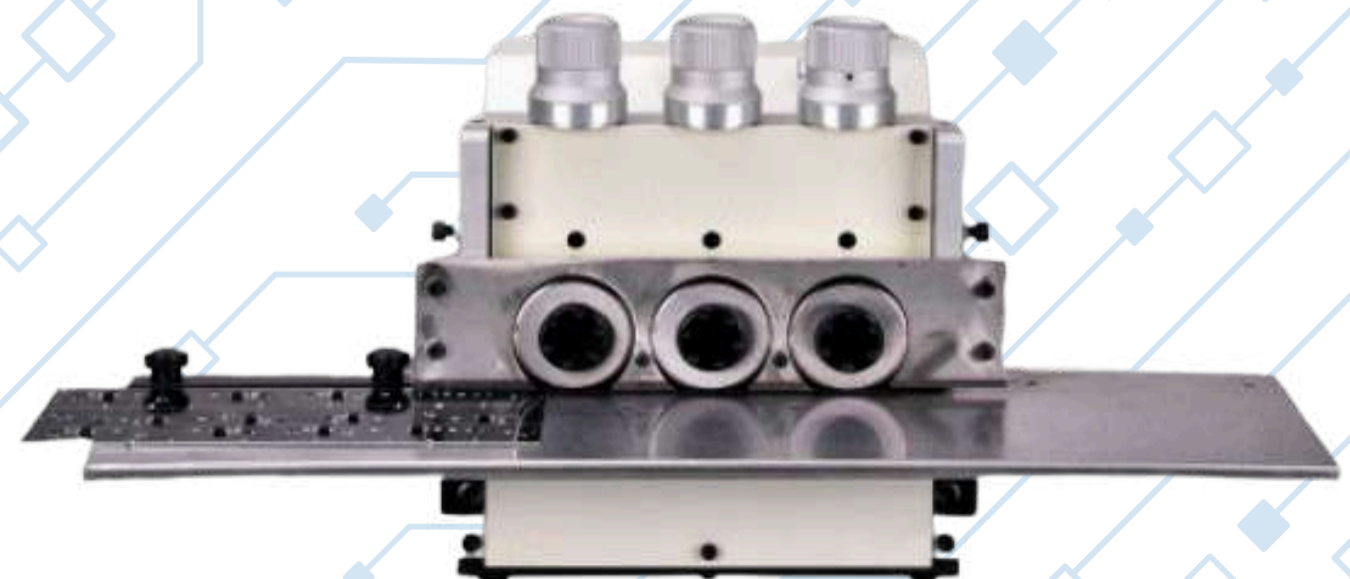
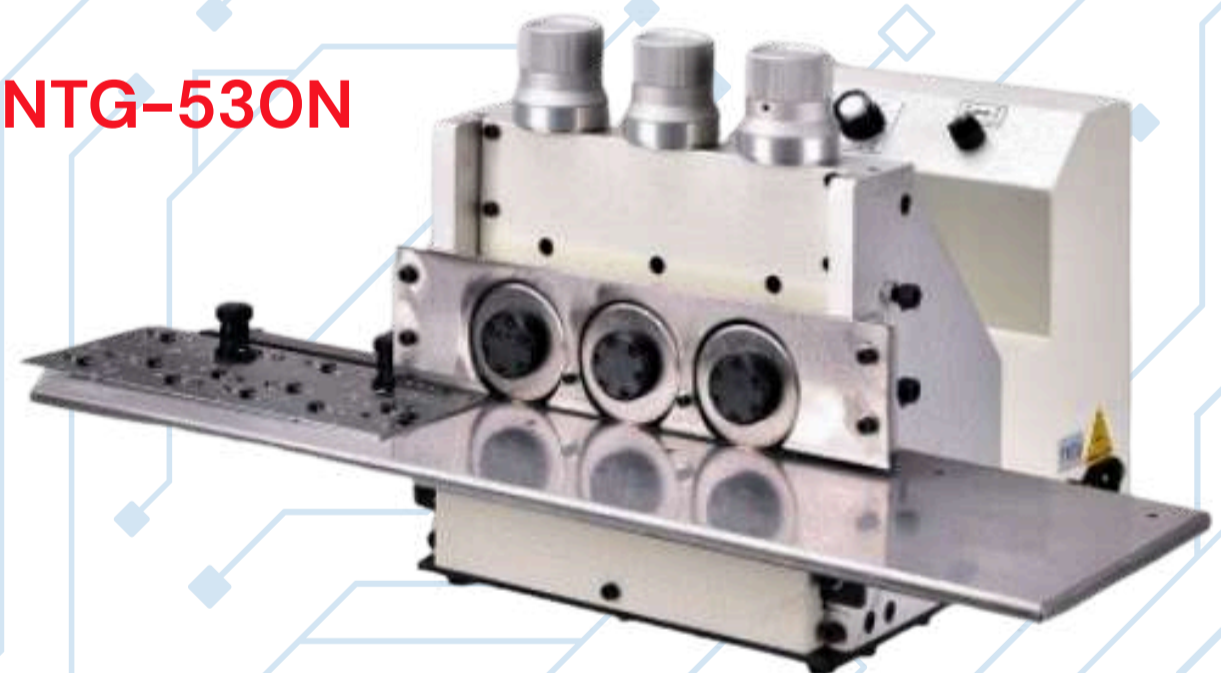


NTG-530N

Pre-scored Aluminum PCB Depaneling Machine – Triple Roller Slice

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 400(L) x 350(W) x 350(H) mm (excluded platform)
- Net Weight: 32 kgs
- Speed: 0-300mm/second
- PCB thickness range: 0.8-2.0mm (V-Cut is required)
- 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. NTG-530N Cutting length is unlimited.
- Max. cut PCB width is 40mm.
- Max. cut PCB thickness is 0.8-2.0mm.

NTG-530N



NTG-350

Pre-scored PCB Depaneling Machine -Chopper type

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



- 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/Pre-scored PCB Depaneling Machine - Moving Blade

- Power: 110 V/60Hz; 220V/50Hz
- Dimension: 780(L) x 400(W) x 450(H)mm
- Net Weight: 45 kgs
- Blade Route: 430mm Max. 430mm / route
- Blade Size: 145mm
- Down- Blade Size: 500mm
- Blade Speed: 500mm/second
- PCB Cut Thickness: 0.5~3.2mm

- 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.
- NTG-20 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/Pre-scored Depaneling Machine - Moving blade type with Belt Conveyor

- Power: 110 V/60Hz; 220V/50Hz
- Dimension: 1280(L)x400(W)x450(H) mm
- Net Weight: 56kgs

- 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





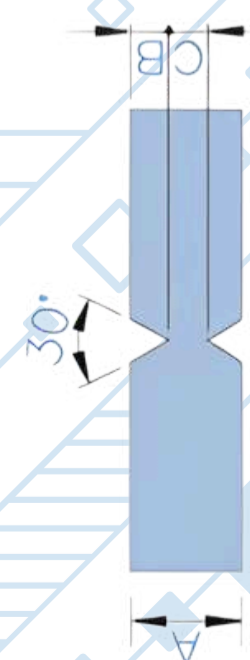
REN THANG CO., LTD

NTG Series

Comparison Chart:
NTG



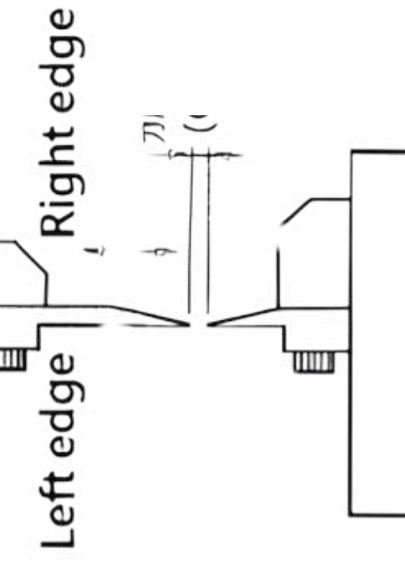
	NTG-520N	NTG-530N	NTG-20	NTG-20NS	NTG-350	NTG-350L
Machine Dimension (L x W x H)	430 x 430 x 520	400 x 350 x 350	760 x 350 x 380	1250 x 400 x 400	720 x 500 x 1070	720 x 500 x 1070
Machine N.W.	36 kgs	32 kgs	65 kgs	100 kgs	190 kgs	195 kgs
Feasible PCB length	Unlimited		Max. 400mm	Max. 400mm	Max. 350 mm	Max. 400 mm
Feasible PCB width	Max. 160mm	Max. 40mm		Unlimited		
PCB thickness (A)	0.4-2.0mm					
Depth (B) and Leftover PCB(C)	1/3 *(A)					
PCB material	Aluminum PCB available					
Edge from Groove	at least 2mm					
Height of parts on PCB	Max. 35mm	Max. 20mm	Max. 20mm	Max. 20mm	Max. 5 in right	Min. 0.5 in left
Height of parts under PCB	Max. 15mm	Max. 20mm	Max. 10mm	Max. 10mm	Max. 5 in right	Max. 30 left
Working speed, VR	0-100					
Feeding direction	from Left to right, back and forth					
PCB supportin platform	Extendable		Adjustable up to linear blade level		Extendable optionally	
Blade spec.	Blade dia.: 145mm		Up : 45mm; Down : 500 mm		Blade Length: 350mm	Blade Length: 400mm
Blade-upper	Upper passive rolling		Rolling ing blade		Chopper	
Blade-bottom	Bottom active rolling		Fixed bottom trail		Fixed blades	
Blade type	Round, like Pizza slider		Round, like Pizza slider		Straight, like Pork Chopper	
Operation	Power Switch		Controlled by foot switch		Emergency stop button	
Illumination lamp	N/A		YES			N/A
Features	Simple operation and easy maintenance Low bending stress No vibration.			Conveyor belt : leftward or rightward (one way) Link to main production line.		Simple operation and easy main No bending stress No vibr.....



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

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

**Never try to cut PCB without V-cut
This will damage the knife and PCB/PWB.**



RT-2100

Manual Stencil Printer

- Dimension: 600x460x120mm
- Net Weight: 16 kgs
- MAX. PCB Working Size: 250x350mm
- MAX. Printing Frame: 300x400mm



RT-2100

- 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 x19.7"). 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.

STP Stencil Printer

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

Manual Stencil Printer

- Available Frame: 20" x 20" (508x508mm)
- Printing Area: 16" x 18" (406x457mm)
- PCB thickness: >0.8mm
- Repeatability: 0.008mm
- Length of Squeegee: 255mm
- Dimension: 840x920x250mm
- Net Weight: 50 kg

- 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 clean and easy maintenance.
- Handheld squeegee with 10" durometer rubber blades.

STP-550

Semi Automatic Stencil Printer

- Suitable Frame: 12"x12"to 24"x24" (300mmx300mm to 600x600mm)
- Printing Area: 14" X 17" (356x430mm)
- PCB thickness:>0.8mm。 1.0/1.2/1.6mm
- Repeatability: 0.008mm
- Net Weight: 60 kgs
- Length of Squeegee: 9" (228mm)
- Dimension: 840x920x250mm
- **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.



STP-550



- 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.

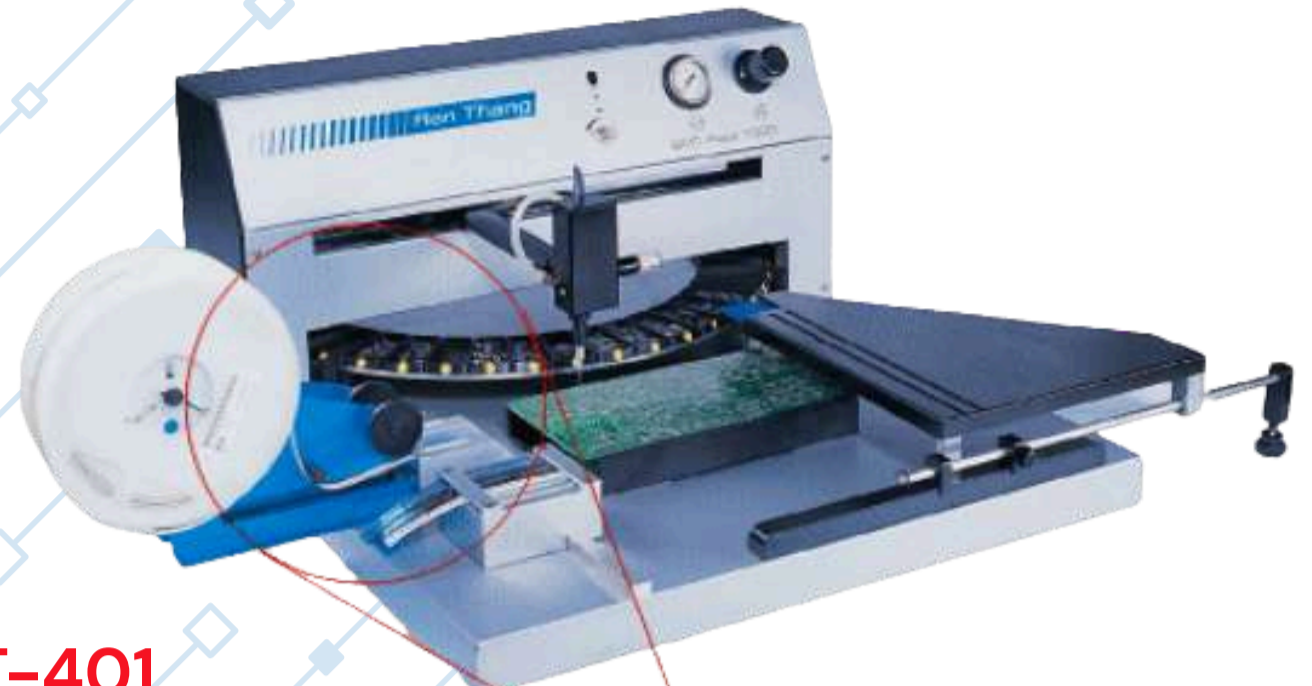
SMT Pick and Place for small batch and prototype

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

Semi Automatic SMT Pick and Place Machine

- Power: 110V/60Hz; 220V/50Hz
- Net Weight: 22 kgs R Dimension: 800×720× 300mm
- Air Source: 4~5kgs/cm
- Feeder: 16set en Thang SMT-401 (8/12/16mm feeders; stick block) }
- Material Box: 45 bins
- Capacity: 20~50pcs/Hour
- MAX.PCB Working Size: 250×300mm
- 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. block)
- Tape feeder bases hold for up to 16 sets of SMT tape reel feeders. (optional:8/12/16mm feeder and strip
- 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

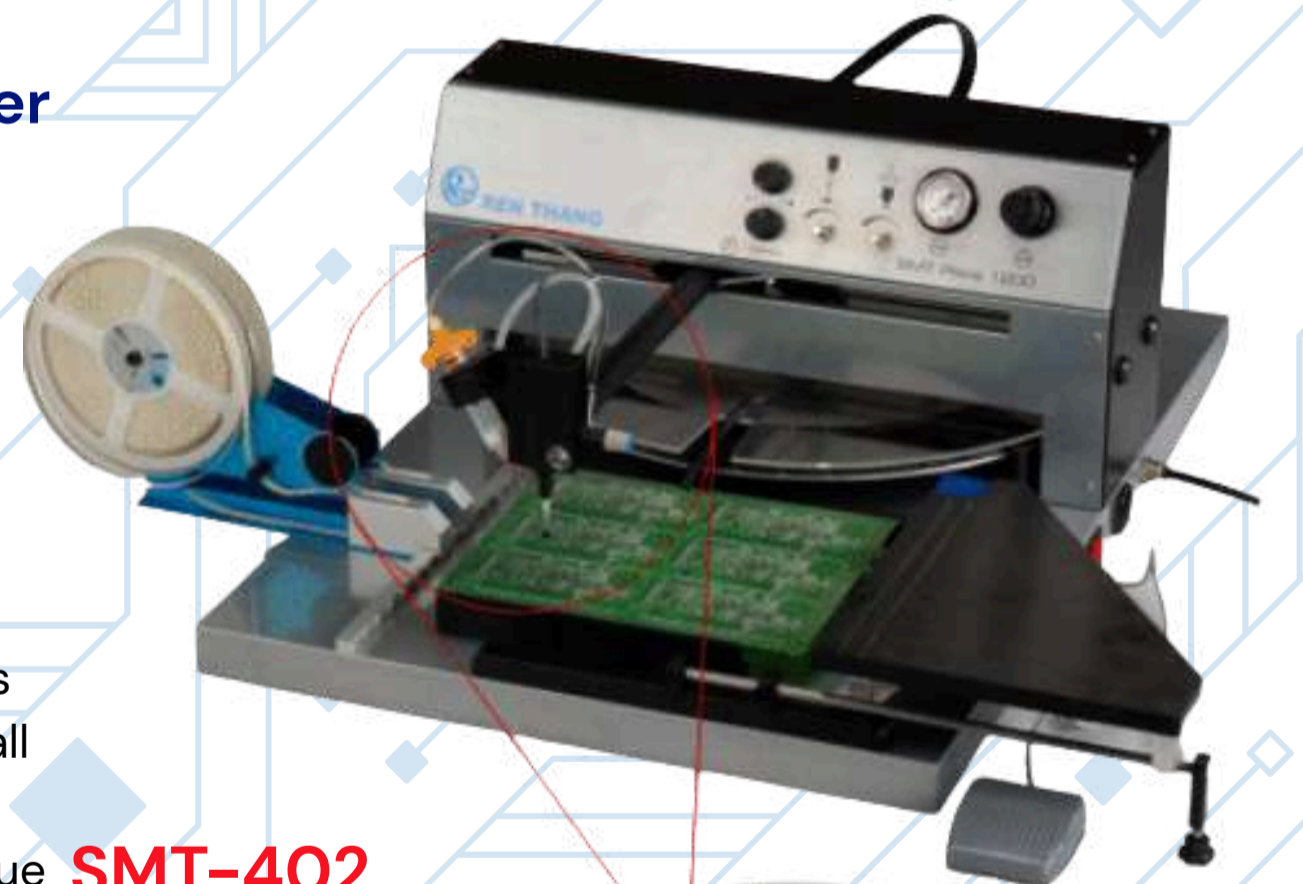


Optional Feeders

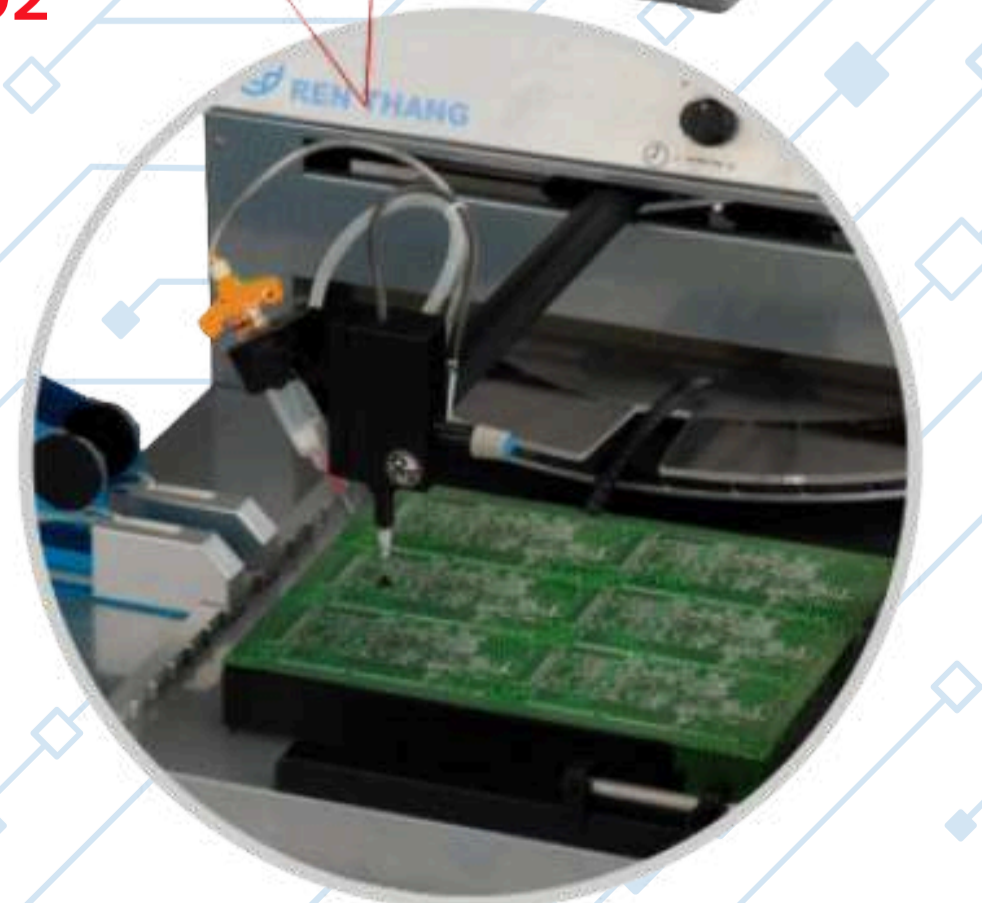
SMT-402

Semi Automatic SMT Pick and Place with Dispenser

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 800×720×300mm
- Net Weight: 22kgs
- Air Source: 4~5kgs/cm
- Feeder: 16sets
- Material Box: 45bins
- MAX. PCB Working Size: 250×300mm
- 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

High-speed Cream Solder Mixer

- Power: 110V/60Hz; 220V/50Hz
- Dimension: 390 (L)×390(W)×385(H) mm
- Net Weight: 45 kgs
- RPM of Spindle: (60HZ)600/150 r.p.m/(50HZ)500/120 r.p.m
- Mix Time: 0.1~9.9Minute
- Capacity: 500g/1000g
- Noise: <35db Lowest
- 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.

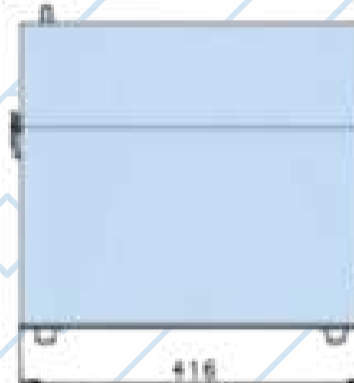
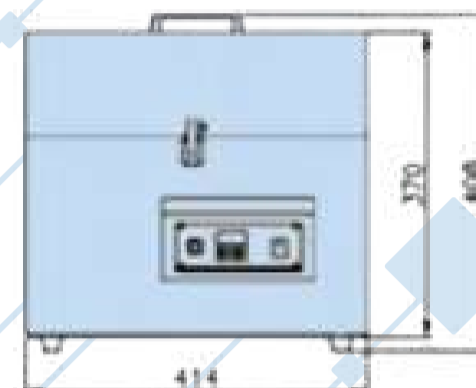


RAM-60



【 Optional Accessory】

- 60E Balancer
- 60E 60E includes:
 - 300g×1 pc
 - 200g× 1 pc
 - 100g ×2 pcs
 - 50g×2 pcs



XD-1000

XD-1000

Programmable Desk-top Strip Cutter

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.

- 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 wor



XD-2000



Model	(mm)	XD-1000	XD-2000	XD-3000
Max. Cutting Width		60 mm	160 mm	170 mm
Max. Cutting Length		99999 mm		
Max. Cutting Thickness		13		
Max. Feeding Speed		1250 mm/ sec.		
Motor		25W		
Power		100-240V AC, 50/60Hz		
Dimension (LxWxH)		280x220x270	460x290x290	460x290x290
Net Weight		21.5 kgs	38 kgs	40 kgs
Holder		V	V	V
Stop sensor		X	X	V

K-2000

Automatic Flux Density Controller

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.

Model	(mm)	K-2000
Range of specific gravity		0.78 - 0.900
Precision		± 0.002
Temperature range		0 - 50°C
Ambient temp		0 - 40°C
Controlling method		by time ratio
Power		220V, 50/60Hz
Fuse		2A
Dimension		370 x 300 x 130 mm
Net Weight		10.5 kgs



K-2000

K-2001

Automatic Flux Density Controller with Turbidity Meter

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

- 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

Hydrometer

Hydrometer measures the Flux Density range: 0.800 - 0.900

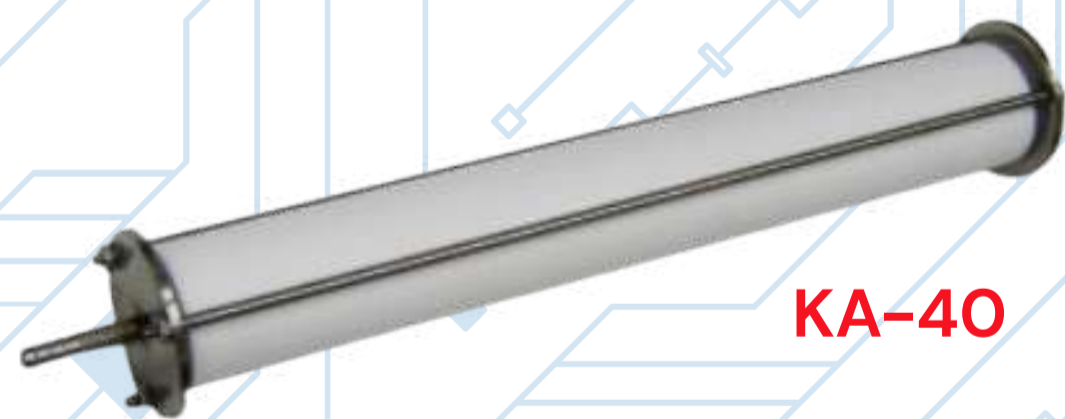


KA-30

KA-40

Flux Foaming Element

Flux foaming element diameter: 50mm The length of foaming tubes is customized upon the user's need.



KA-40

SP

Automatic Thermal Control Soldering Pot

Automatic thermal control in the separated design. High quality with efficient performance.



Model No.	Consumption	Dimension	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

CONTACT



VENTAS@SOLUCINDE.COM

IF YOU WOULD LIKE A
QUOTE, PLEASE CONTACT
US BY SCANNING OUR
WHATSAPP QR CODE



WANT TO LEARN MORE
ABOUT OUR SOLUTIONS?
VISIT OUR WEBSITE.

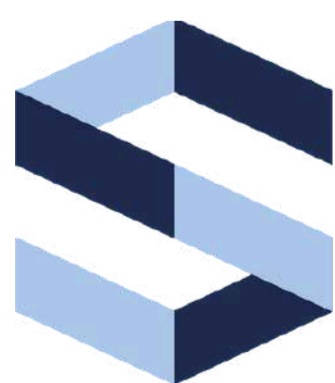


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Solucinde