

The Automatic insertion machine Compare with Manual operation



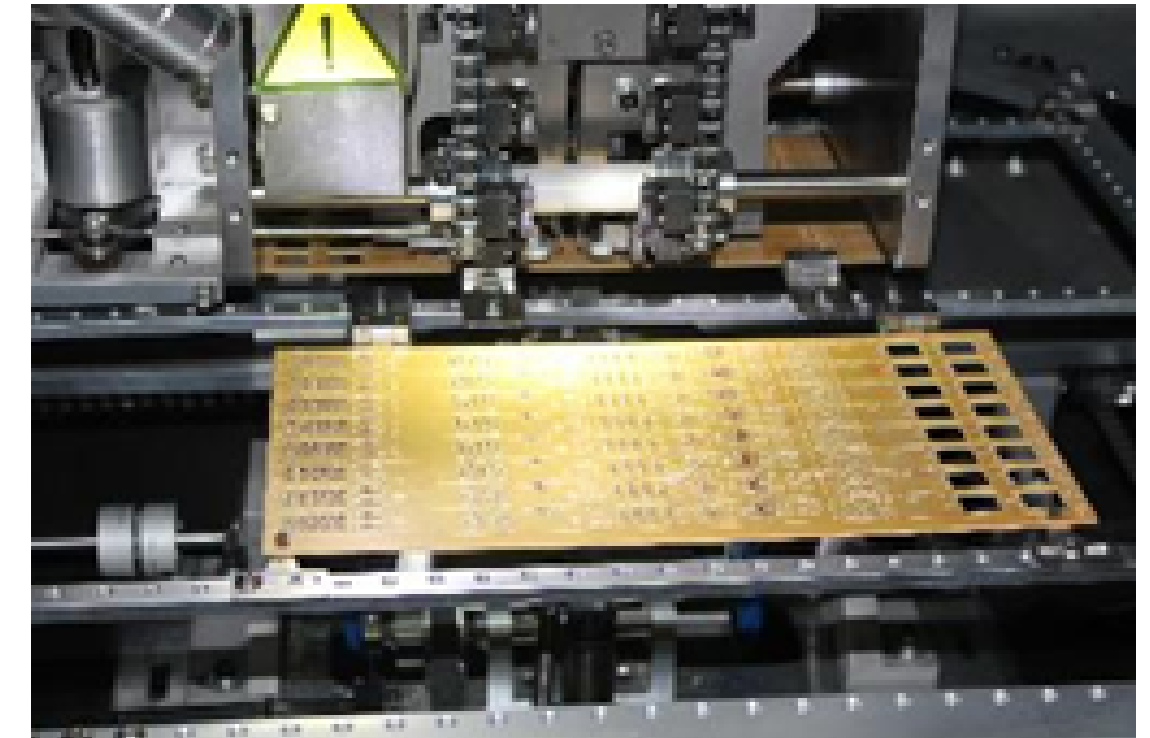
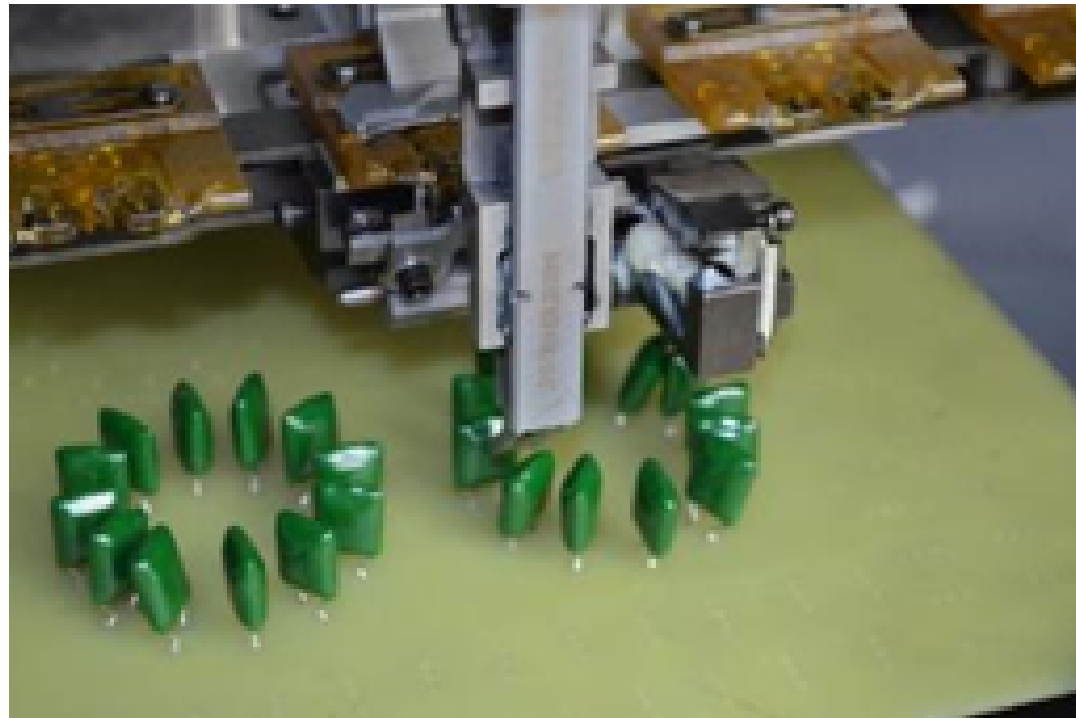
- Labor costs are getting higher and higher;
- General labor force continued to decline;
- Lack of skilled workers, training costs have been rising;
- Quality is not stable and consistent;
- The problems of capacity and reliability;
- Take up a lot of production space ...etc.



Automatic insertion in line

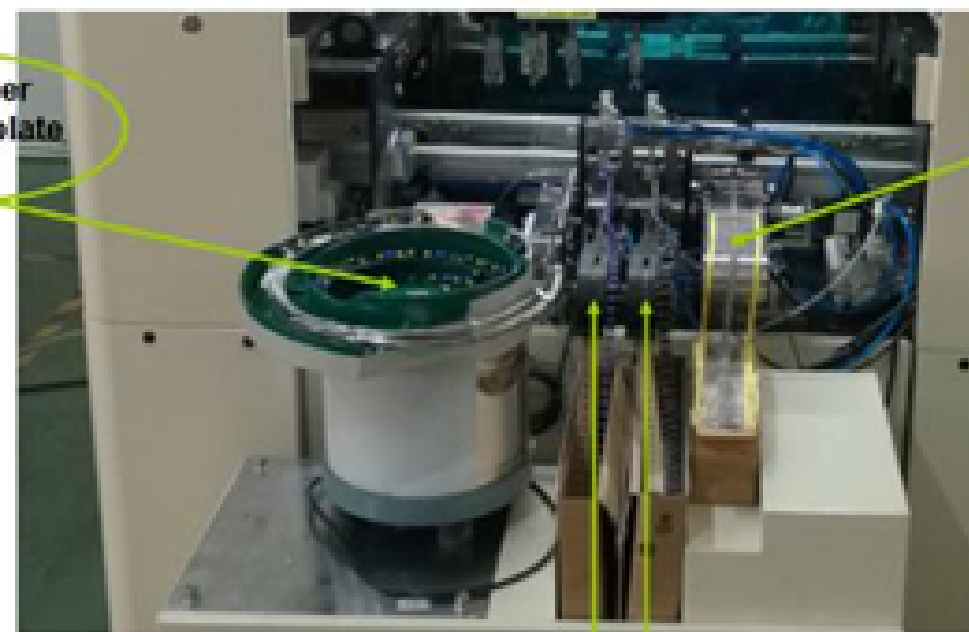
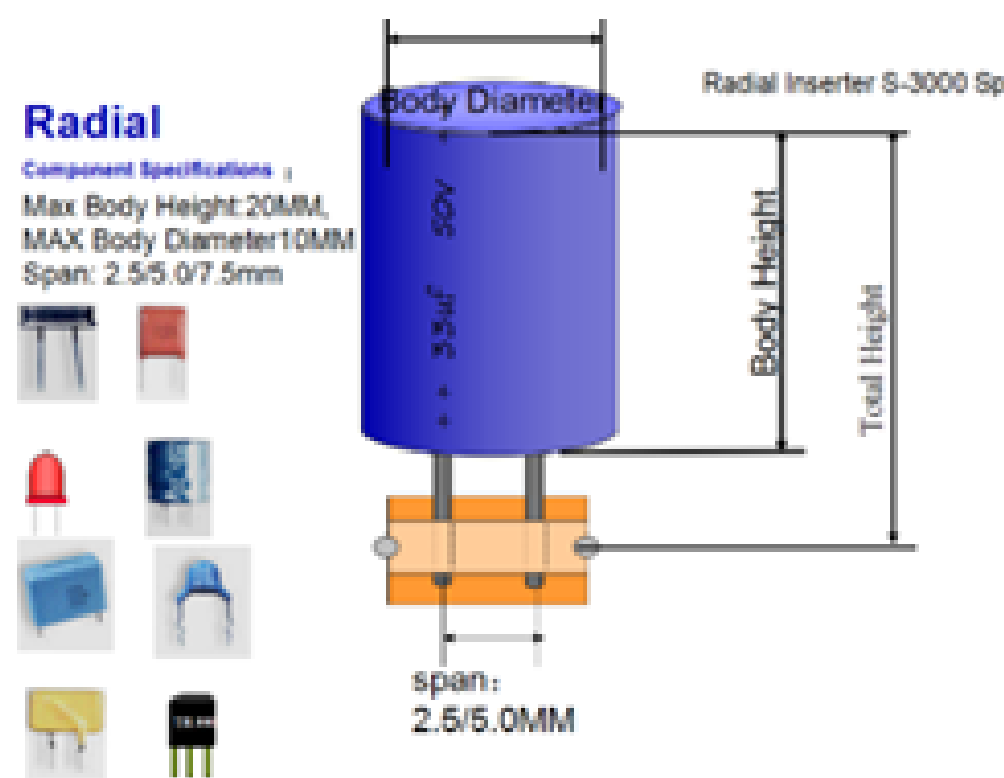
www.smthelp.com

Auto Insertion Solution



Odd Form Insertion Machine Appearance

Radial Insertion Machine

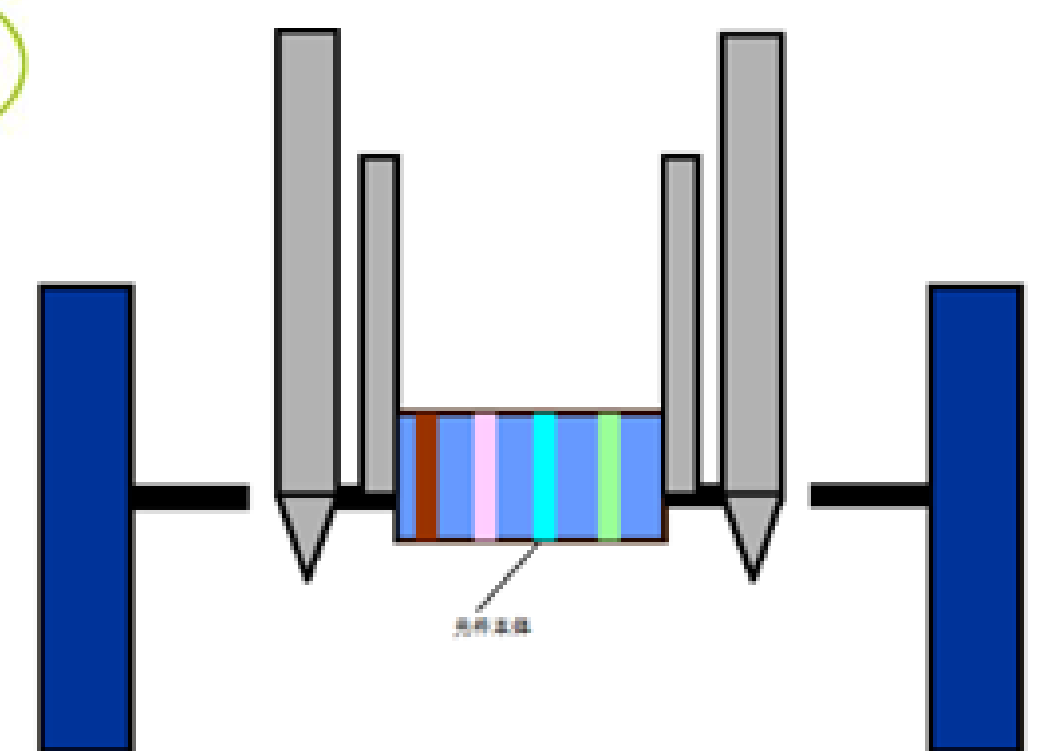


Transformer vibration plate material

Resistor feeder change into capacitor feeder

Radial tape material

Axial Insertion Machine



Handling Equipment



Magazine Type Buffer



Loader



Unloader



Turning Over Conveyor



Translation Conveyor



Conveyor



Lowering Gate Conveyor



Telescopic Conveyor

Combination Magazine/ Stacked PCB Loader



It can be used to load PCBs onto the production line from either magazines or stacks, simplifying double-sided board assembly. Ideal for double-sided assembly. Load bare boards from stacks or partial assemblies from magazines.



- Selectable pitch 10mm up to 40mm
- Diameter 3mm edge round belt
- Component clearance: top 80mm bottom 20mm
- Power: AC220V/110V, 50/60 HZ, 1 phase
- Air Pressure: 5kgf/cm²
- PCB Convey Direction: L-R (Or R-L)
- Front rail fixed (or rear rail fixed)
- Conveyor height:900+50/-20mm
- Stack Height: 200mm
- Conveyor speed: vacuum loading 15s/pc, loading 7s/pc

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)	Rack size(L*W*H.MM)
SLD250L	1500×870×1200	50*50-350x250	250 KG	355*320*563
SLD330L	1860×950×1200	50*50-460x330	300KG	460*400*563
SLD390L	2100×1000×1200	50*50-535x390	340KG	535*460*563
SLD460L	2100×1080×1200	50x50-535x460	360KG	535*530*563

Magezine Type Buffer



PCB Magazine Type Buffer Technical Parameters

- Description: This Device Used For Receiving NG Board Or Memory Board
- No.Of Magazine: Upper Conveyor: 1 Magazine; Lower Conveyor:2 Magazine
- Indexing Pitch: 10.20.30.40mm Or Specify
- Power Source: AC 110 Volts Or 220 Volts; Single Phase
- Power Consumption: Max 250VA
- Air Pressure & Air Consumption: 4-6bar, 15ltr/Min
- Transport Height: 900±20MM
- Transport Direction: From Left To Right Or Right To Left

Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)	Rack size(L*W*H.MM)
SBM250	1150*1150*1205	50*50-330*250	160KG	355*320*563
SBM330	1350*1350*1205	50*50-445*330	220KG	460*400*563
SBM390	1550*1550*1205	50*50-530*390	280KG	535*460*563
SBM460	1750x1750x1205	50x50-530x460	340KG	535*530*563

Used To Link Between SMT Machines Or Board



Handling Units.

- How length conveyor do you need?
- What is the maximum width of you PCB?
- Do you need inspection with lighting
- Do you need dual rail?
- Do you need cover with cooling fan?
- Do you need buffer bad boards?
- Do you need working table both side?
- We are able to customize conveyors

Item	Model	Length(mm)	Max PCB Width(mm)	Remark
1	S-350C	500	350	No Lighting
2	S-460C	500	460	No Lighting
3	S-350C-L	500	350	With Lighting
4	S-460C-L	500	460	With Lighting
5	S-350D	1000	350	No Lighting
6	S-460D	1000	460	No Lighting
7	S-350D-L	1000	350	With Lighting
8	S-460D-L	1000	460	With Lighting
9	S-350E	1500	350	No Lighting
10	S-460E	1500	460	No Lighting
11	S-350E-L	1500	350	With Lighting
12	S-460E-L	1500	460	With Lighting

China Best
Quality
Conveyor

PCB Magazine Loader



- This equipment is used SMT circuit board production line operating upper and lower plates.
- Magazine quantity: upper 1pc, bottom 1pc.
- Tank Replacement time: about 30 seconds or a user specified
- step select: 10,20,30,40 mm or user
- spec. 110V or 220V, single phase max 250VA.
- Barometric pressure from 4-6 bar, up to 10/min
- Flexible platform to suit standard magazines. Regulated pressure on attached pneumatic pusher. Pusher position adjustable to centre of the magazine. User friendly “soft touch” LED membrane controlpanel.

Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)	Rack size(L*W*H.MM)
SLD250	1330*765*1250	50*50-330*250	140KG	355*320*563
SLD330	1650*845*1250	50*50-445*330	200KG	460*400*563
SLD390	1800*909*1250	50*50-530*390	240KG	535*460*563
SLD460	1800*970*1250	50x50-530x460	300KG	535*530*563

PCB Magazine Unloader



- This equipment is used SMT circuit board production line operating upper and lower plates.
- Magazine quantity: upper 1pc, bottom 1pc.
- Tank Replacement time: about 30 seconds or a user specified
- step select: 10,20,30,40 mm or user
- spec. 110V or 220V, single phase max 250VA.
- Barometric pressure from 4-6 bar, up to 10/min
- Flexible platform to suit standard magazines. Regulated pressure on attached pneumatic pusher. Pusher position adjustable to centre of the magazine. User friendly “soft touch” LED membrane controlpanel.

Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)	Rack size(L*W*H.MM)
SUL250	1730*765*1250	50*50-330*250	160KG	355*320*563
SUL330	2065*845*1250	50*50-445*330	220KG	460*400*563
SUL390	2660*909*1250	50*50-530*390	280KG	535*460*563
SUL460	2660*970*1250	50x50-530x460	320KG	535*530*563

PCB Destacker



- User friendly touch screen control panel;
- Uninterrupted loading;
- Smooth and parallel with adjustments
- Small machine footprint;
- Automatically senses stack height
- Pass-through function
- SMEMA compatible
- PCB Size - 50 mm L x 50 mm W to 400 mm L x 350 mm W (Optional: 460mm width)
- PCB Stack Capacity - 400 pcs. (0.6 mm thickness) or 240 mm (9.45")
- stack height PCB Thickness - 0.4 mm min. (0.016" min.)2.5 mm max. (0.098" max.)
- Conveyor Direction - Left to right (standard) or right to left (optional) operation
- Conveyor - 3 mm Edge Belt
- Air Supply Pressure - 5-6 Kg/cm² (70-85 psi)
- Air Consumption - 30 l/min (1 CFM)
- Voltage - 220 VAC, 50/60 Hz Power 150 VA max.
- Machine Dimensions - 728 mm L x 700 mm W x 1127 mm H
- Net Weight - 160kg
- Shipping Weight - 200 Kg

PCB NG/OK Unloader



The PCB NG/OK Unloader is used for good/bad PCB separation. The OK and NG PCB

after being tested by test machine can be separated and sent to magazines
Omron PLC Control system.

Touch screen easily operation.

Good and bad PCB's can be separated automatically with magazine rack.

Multiple pitches selectable.

Direction from left to right, or right to left (optional).

SMEMA compliant.

RoHs .CE certified

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)	Rack size(L*W*H.MM)
SNL250	1510*1530*1250	50*50-330*250	310KG	355*320*563
SNL330	1910*1630*1250	50*50-445*330	340KG	460*400*563
SNL390	2160*1760*1250	50*50-530*390	370KG	535*460*563
SNL460	2160*1900*1250	50x50-530x460	400KG	535*530*563

Lowering Gate Conveyor

The Manual Lift Gate Conveyor is used when a passage way is required in a production line.

By manual lifting the conveyor section, access is gained to the rear of the line. (semiautomatic).

PLC Control system.

Cylinder assisted lifting motion

Width adjustment by hand crank.

Pneumatic locking device installed to enhance safety.

SMEMA compliant.

CE certified



Model	Dimension (L*W*H.MM)	Effecton PCB size	Weight(KG)
SLC400W-N	1300*570*1050	50*50-445*400	180KG

90 Degree Turning Conveyor

- The 90° PCB Turn Conveyor is used for changing the direction of flow of a PCB assembly line.
- The PCB is transferred onto the built-in belt conveyor which turns either 90° clockwise or counter clockwise.



- Plc Control
- Diameter: 3mm Edge Round Belt
- Air Pressure: 5kgf/cm²
- Power: Ac220v, 50/60 Hz, 1 Phase
- Pcb Convey Directon: L-r (Or R-l)
- Front Rail Fxed (Or Rear Rail Fxed)
- Conveyor Height:900+/-50mm
- Conveyor Speed: 10m/s

Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SCN250	500*563*1200	50*50-330*250	150KG
SCN330	580*643*1200	50*50-400*330	170KG

PCB Traverser

- The Pcb Traverser Is Used For Transporting Boards From One Line Into Two Lines Or Vice Versa.
- The Orientation Of The Board Is Not Changed During Traversing.



Model	Dimension (L*W*H.MM)	Effection PCB size	Weight(KG)
SPD330	500 * 750 * 1050	50*50-330*250	140KG
SPD460	600 * 880 * 1050	50 * 50-457 * 390	220KG

PCB Surface Cleaning Machine



- Able to clean top surface of PCB even chip components attached on the bottom side.
- Antistatic bar (ionizer) is prepared as standard to neutralize static and to prevent dust from top surface of PCB.
- Two Language Display Chinese And English, easy Operation.
- Draw-out Design For Better Maintenance.
- Professional Design And Production Clean Machine With Many Years Experience , We Know What Customer Requirement .

Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)
S-K250	550*650*1350	50*50--250*330	170KG
S-K330	550*680*1200	50*50--330*450	185KG
S-K390	550*780*1200	50*50--390*530	220KG
S-K460	550*850*1200	50*50--460*530	260KG

PCB Inverter



- Pneumatic stopper to keep PCB in position during inverting.
- Conveyor width adjustment using hand crank.
- Controlled by Omron PLC.
- By-pass mode selectable.
- Used to invert PCBs(180) for double sided process
- Cycle Time: Approx. 5 seconds
- Power Source: 230VAC 1ph 150VA max.(Option:100VAC)
- PCB Thickness: 0.6mm min

Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)
S-K250	550*650*1350	50*50--250*330	170KG
S-K330	550*680*1200	50*50--330*450	185KG
S-K390	550*780*1200	50*50--390*530	220KG
S-K460	550*850*1200	50*50--460*53	260KG

Telescopic Gate Conveyor



- The Telescopic Gate Conveyor from Electro Design is a fully automated pass through conveyor that allows people and vehicles to go through, rather than round a complete line. Since the retracted position of the telescopic conveyor is its idle position there is no need to press any buttons to pass through the line. Each side and section of the conveyor has its own motor drives and belts.
- Working height (mm) 900±20(std)
- Transport Speed 1-15meters per minute or as your specified
- Power supply 100V, 220v,230V (single-phase AC)
- Power Maximum 100 W
- Belt type 4mm flat belt
- Telescopic Length(mm) 850mm
- Stretch out / retract 6 sec

Model	Dimension (L*W*H.MM)	Effect PCB size	Weight(KG)
SAC330	1500*850*1300	50*50-445*330	250KG

AI SMT Spare Parts Direct Factory Price



Panasonic



Universal Instruments



AI SMT Spare Parts Direct Factory Price

FUJI XP142/143

yamaha YG200

HA099

CN 110

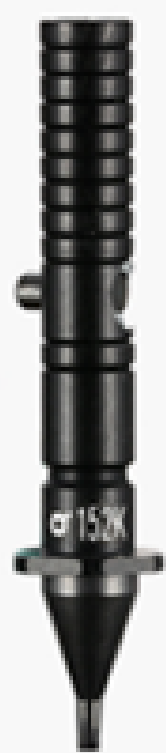
FUJI NXT/H08M

0.7

FUJI NXT/H04
10.0



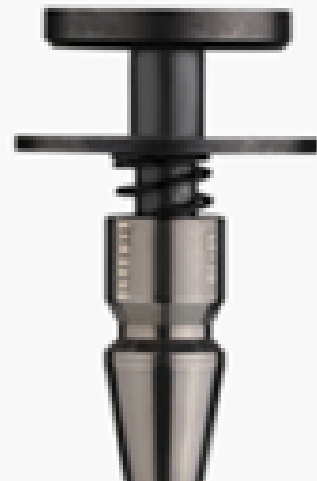
55USD



13USD



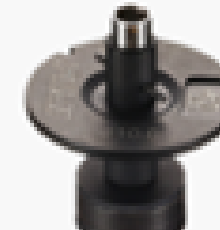
15USD



18USD



24USD



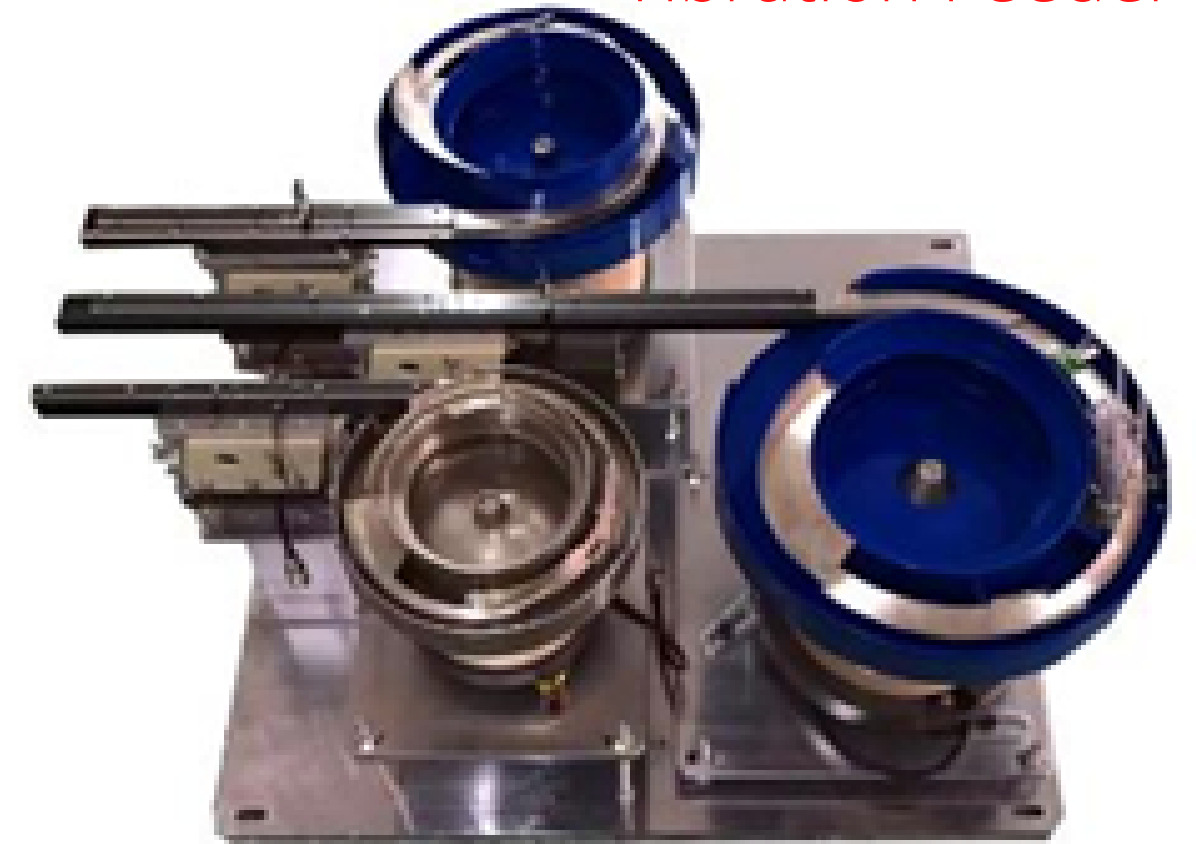
23USD



SMT Custom Feeder



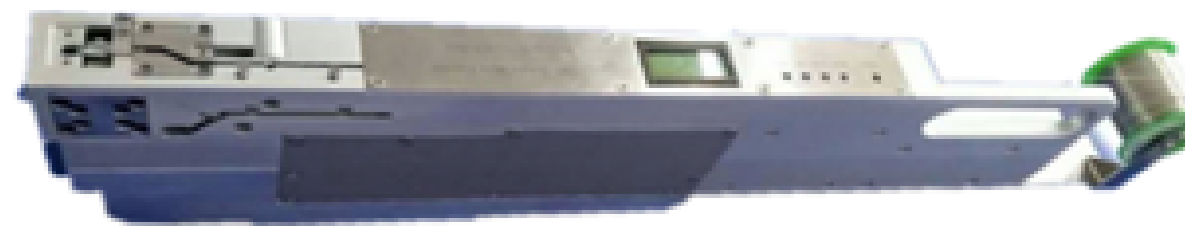
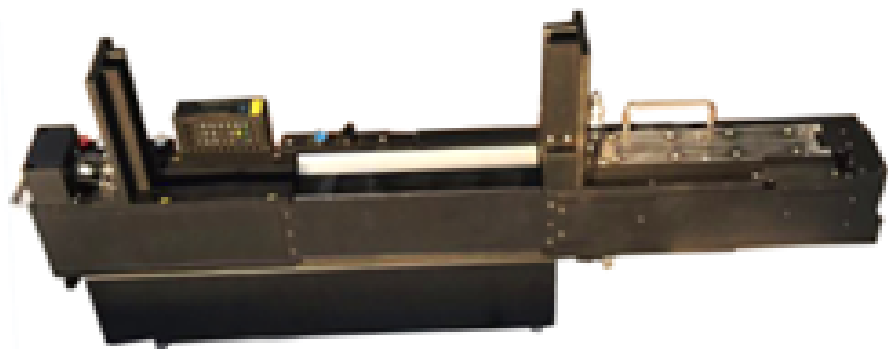
Radial and Axial Feeders



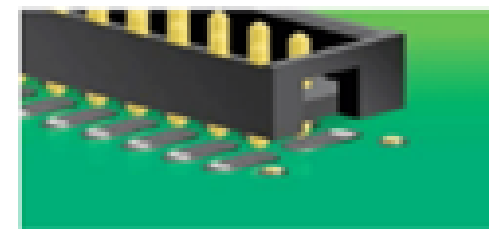
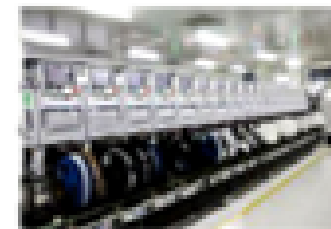
Vibration Feeder



Tube Feeder



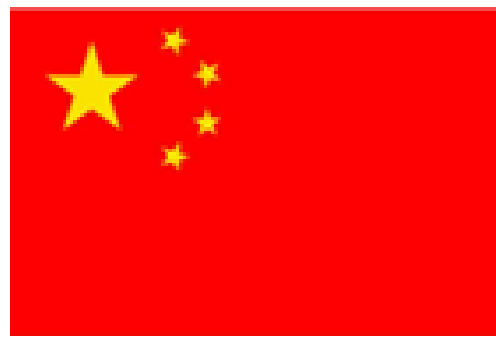
Solder Feeder



Label Feeder

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