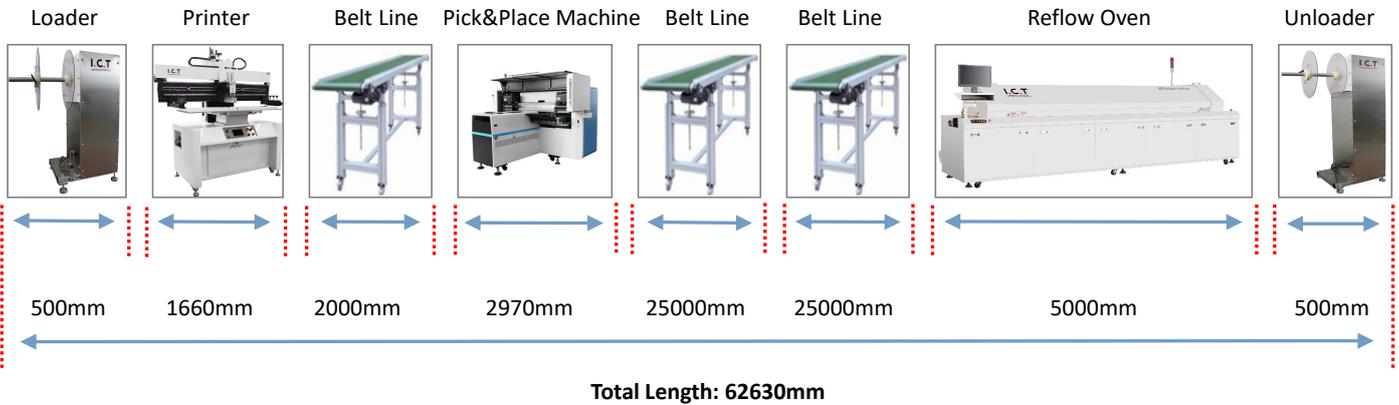


I.C.T LED Strip SMT Line Solution

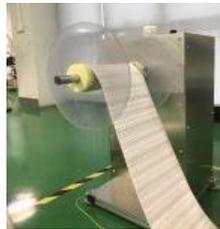
Part1: LED Strip SMT Line:



Part2: LED Strip Assembly Machine:



Loader



Features:

1. Strong, firm and stable design.
2. Simple, convenient and doesn't take up space.
3. Adjustable speed.

Specification:

Dimension	500*450*950mm
PCB Width	50-350mm
Time Feed PCB	0-1500mm/sec
Power	Max 200 VA
PCB Direction	L to R
Power Supply	1 PH AC 220V 50/60Hz
Weight	120 Kg

SMT Semi-auto Printer



Features:

1. Using linear guide-ways, matching motor drive speed, ensure the printing stability and precision.
2. Blade pressure and printing speed is adjustable, precision pressure gauge, speed controller display.
3. Suspension blade system makes printing more evenly.
4. Modular universal bench, thimble random placement, easy conversion.
5. With alignment device for PCB board and frame.
6. Work with both single-sided and double-sided PCB boards.
7. Auto printing, stable and efficient printing quality.

Specification:

Model	P12
Accuracy	±0.05mm
PCB Size	1200*350mm
Platform size	1350*400mm
Stencil Size	370*470~1500*650mm
PCB Thickness	0.2-6mm
Stencil Positioning	Manual
Cycle Time	<12 Sec.
Power Consumption	220W
Power Supply	1 -PH, 220VAC 50/60HZ
Air Pressure	4.5-6kg/cm ²
Squeegee Speed	0-1500mm/sec
Dimension	1660*750*1650mm
Weight	356KG
Squeegee Length	200&300mm
Platform Height	950mm

Belt Line



Features:

1. PVC belt and plate, seamless.
2. Taiwan motor(2HP) and 80# Retarder, inverter made by adlaspower, speed range 0-5m/min.
3. 80*80mm aluminium product, rail by 40*60mm aluminium, lantern support by 40*40mm aluminium.

Specification:

PCB Direction	L to R
Speed	0-1500mm/sec
Drive System	Taiwan Motor
Dimension	2000*450*900mm
Weight	160Kg
Power	Max 200 VA

Pick and Place Machine Max-60



Introduction:



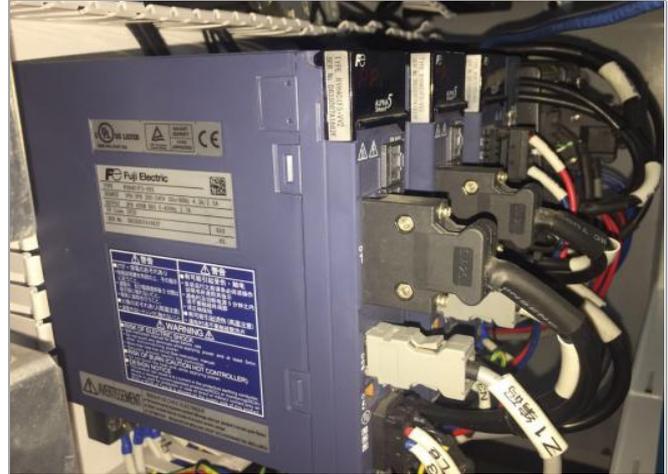
Mount system

32*2pcs high-speed heads, high-speed guide rail can ensure high precision mounting, Magnetic suspension linear motor driver. The nozzle position can be adjusted flexibly.



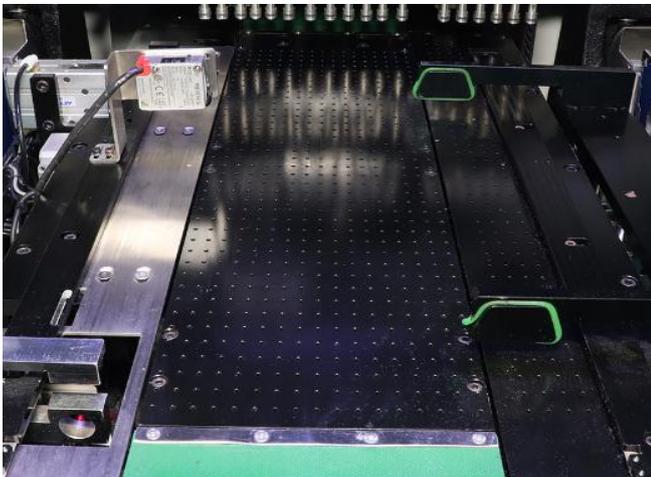
Driver system

Castings are used to ensure the stability of the machine. Linear motor is adopted. The grating ruler and code reader imported from Britain ensure the accuracy and stability.



Feeding system

Fast plug-in interface, millisecond signal transmission. Guide groove design, easy to install. Electric motor feeder ensures high precision and high stability feeding.



Control system

Googoltech high precision control card, Japanese and Korean servo controller, ensure high precision of transportation, mounting and transmission.

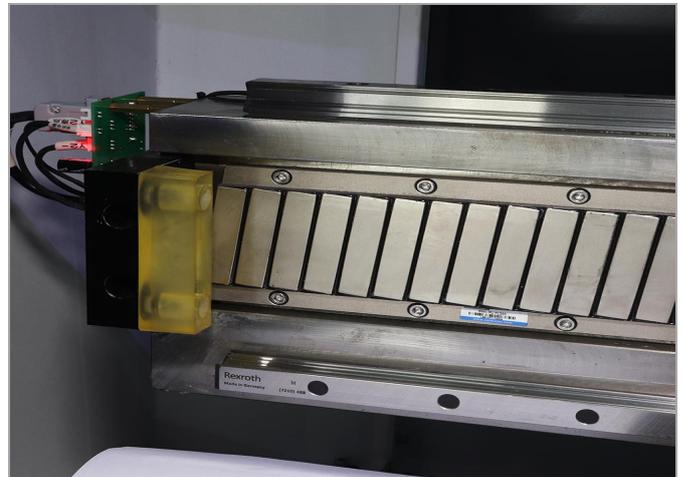


Table system

High precision screw support platform ensures PCB stable, motor driving life is high, which is conducive to follow-up maintenance, suitable for different PCB types.

Sport system

Germany Rexroth guide rail Y axis, Mounting Head Driver is Korea NS SYSTEM Maglev Linear Motor, Ensure repeat precision and high speed, Stable performance, zero maintenance, easy maintenance.

Features:

1. I.C.T strip pick and place machine is dedicated to assemble LED FPCB with infinite length, cater to the trend of FPCB in LED industry.
2. Four modules and 64 electric feeders, can mounting three/four kinds of components at the same time, and the capacity won't be effected by the ratio of chip to resistance.

3. Adopt special accuracy and smooth input FPCB ways, which can solve the issue of input deviation, meet the demand of mounting RGB.
4. Adopt imported linear motor and grating ruler to locate the position, make sure the machine mounting with high speed and high accuracy. We promise to provide 2 years guarantee for the linear motor.
5. Integrated machine frame, welded into a whole by industrial class steel tubes and panels, greatly increase the machine's stability.

Materials List:

No.	Item	Brand	Original
1	Linear motor	NS SYSTEM	Korea
2	Linear Guideway	REXROTH	Germany
3	Servomotor&driver	FUJI	Japan
4	Code reader	RENISHAW	UK
5	Grating ruler	RENISHAW	UK
6	Motion control card	Googoltech	China
7	CCD Camera	SENTECH	Japan
8	Software	I.C.T	China
9	Power	MW	Taiwan
10	Controller	Schneider	France
11	Bearing	NSK	Japan
12	Soft Cable	IGUS	Germany
13	Tanks chain	IGUS	Germany
14	PC	LENOVO,DELL	China, Germany

Specification:

Head Number	2pcs
Nozzle Number	32*2=64pcs
Feeder Number	48/64pcs
Feeder Type	Dual motor electric feeder
Vision System	5 sets of optical camera, equipped with visual inspection for missing component alarm (Option: missing component automatically)
PCB Position	CCD visual, Mark point positioning
Max. PCB Size	W: 280mm, L: No limitation
Mounting Speed	250,000~270,000CPH
Mounting Accuracy	±0.03mm
Component Range	0805, 1206, 2835, 3014, 3528, 5050, 5630, 5730, RGB and other LED strip material
Component Height	10mm
Min Mounting Distance	6.5mm
Conveyor Speed	320mm/s
Conveyor Method	Vacuum Absorb+Positioning Cylinder Transmission
Mounting Type	Group Picking and Group Placing
Power	3 Phase/380V±10%/50Hz

Power Consumption	5.0KW
Air Pressure	0.5~0.8Mpa
Dimension (L*W*H)	2970*2500*1550mm
Weight	2680KG

Belt Line 2&3



Features:

1. PVC belt and plate, seamless.
2. Taiwan motor(2HP)and 80# Retarder, inverter made by adlaspower,speed range 0-5m/min.
3. 80*80mm aluminium product, rail by 40*60mm aluminium, lantern support by 40*40mm aluminium.

Specification:

PCB Direction	L to R
Speed	0-1500mm/sec
Drive system	Taiwan Motor
Dimension	25000*450*900mm
Weight	160KG
Power	Max 200 VA

Reflow Oven



Features:

1. Control system: PC+Siemens PLC control system, accurate temperature control and more stable, ensures temperature stability rate to be more than 99.99%.
2. Hot air system: first-class heating module, the best temperature zone interval design makes optimum temperature uniformity and repeat. The effective utilization and thermal compensation efficiency, it needs less than 20 minutes from temperature control accuracy $\pm 1^{\circ}\text{C}$ ambient temperature to a temperature stabilization.
3. Monitoring software: Windows interface, traditional and simplified Chinese and English online free switch, and operator password management, easy to operate. Operation records, temperature curve measurement and analysis functions, virtual simulation, fault self-diagnosis, process monitoring, automatic generate and save process control documents, substrate transport dynamic display.
4. Cooling system: new cooling zone, quick and easy adjustment, easily reach the cooling requirements of different slopes.

5. Temperature protection: I.C.T using third-party over-temperature protection, multiple layers protection to ensure safe operation.
6. Products comply with CE, CCC, UL, other standards and specifications.
7. User-friendly design: fault detection (such as heaters abnormal alarm, etc.), regular maintenance reminders, the economy functions and tool-free maintenance, reducing equipment failure rates.
8. Heating module: transverse reflow design makes temperature from each zone is not influenced by neighbour to ensure accurate temperature curve, while ensuring a high production capacity and heat exchange capacity to achieve high adaptability (to meet the soldering of automotive, communications, electronics, computers and mobile phones consumer electronics).

Specification:

S - Standard, O - Option, M - Manual, A - Auto, N/A - Not Available)					
Specifications	8-Zone	10-Zone	Specifications	8-Zone	10-Zone
Dimension(mm)	5000*1250*1460	5800*1250*1460	Ups	S	
Standard Color	Computer Grey		Conveyor Direction	L→R (Option: R→L)	
Weight	1600KG	1800KG	Computer	Lenovo	
Number of Heating Zones	Up8/Bottom8	Up10/Bottom10	Max. Width of PCB	400mm	
Length of Heating Zones	3121mm	3891mm	Temperature Deviation	±1.0°C	
Rail Width Adjustment	M(Option: A)		Length of Cooling Zones	600mm	
Exhaust Volume	10M ³ /min*2 Exhausts		Center Support	O	
Control System	PLC+Computer		Temperature Control Precision	±1.0°C	
Temperature Control Method	PID+SSR		Max. Temp. Gap Between Preheat Zones	40°C	
Transmission Agent	Chain+Mesh		Temperature Alarm	S	
Electric Supply Required	3phase, 380V 50/60Hz		Siemens PLC	S	
Power For Warm Up	55KW	64KW	Lubrication Auto-Afflux	S	
Power Consumption	8KW	12KW	On Line Editing	S	
Warming Time	Approx.25 minute		Temp. Thermocouple Slot	S	
Temp. Setting Range	Room Temp.-- 300°C		Rail Number	1 Lane	
Conveyor Height	900±20mm		Components Clearance	Top/Bottom is 25mm	
Conveyor Speed Range	300~2000mm/min		Number of Cooling Zones	2	
Fixed Rail Side	Front Fixed (Option: Rear Fixed)		Process Data&Status Storage	S	
Cooling Method	Forced-Air Motor and Fan (Standard)		Max. Temp. Gap	50°C	

Unloader



Features:

1. Strong, firm and stable design.
2. Simple, convenient and doesn't take up space.
3. Adjustable speed.

Specification:

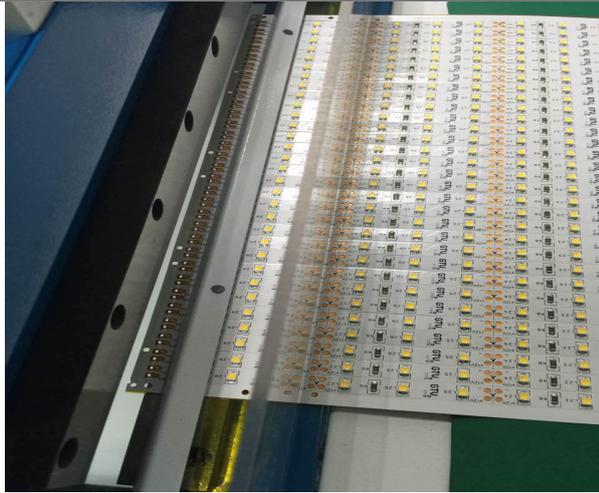
Dimension	500*450*950mm
PCB Width	50-350mm
Time Feed PCB	0-1500mm/sec
Power	Max 200 VA
PCB Direction	L to R
Power Supply	1 PH AC 220V 50/60Hz
Weight	120 Kg

LED Strip Shearing Machine



Introduction:

1. High efficiency: hourly capacity of 10000 meters, about 900 puzzle board;
2. High quality: plate lamp, strip edge, incision uniformity, easy to light strip welding position, convenient positioning;
3. The provincial Manual: a machine can replace the 3 manual workload;
4. Easy to operate: the lamp positioning, convenient, fast, efficient, single operation;
5. Reduce costs: equipment one-time investment, long-term use;
6. Wide use: one machine, multi-purpose, applicable to the mainstream FPC board, including: soft light bar, S type light bar, panel light.



Specification:

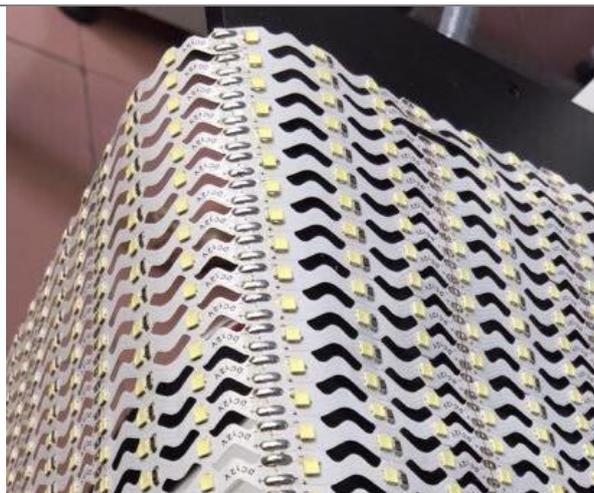
Model	LED Strip Shearing Machine
Capacity	10000metres/H
Power Consumption	100 W
Power Supply	1 -PH, 220VAC 50/60HZ
Air Pressure	4.5-6 kg/cm
Dimension	1500*350*900mm
Weight	320Kg

LED Strip Soldering Machine



Introduction:

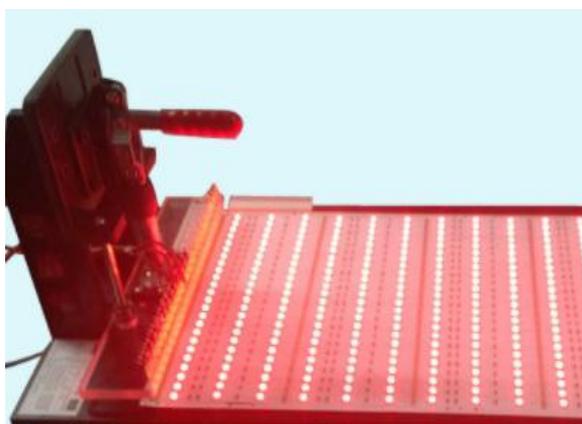
1. Simple programming, operation control box mobile head position.
2. Soldering speed, high efficiency, a solder machine can save 5-6 people.
3. Save tin wire, good consistency of solder joint.
4. High power heating controller ensures the stability of continuous soldering.
5. Multi axis manipulator, advanced motion control algorithm, to improve the kinematic positioning accuracy and repeatability accuracy
6. According to the professional design of the lamp batten, it is convenient for manual feeding and feeding.
7. Production efficiency: 1800-2000meters/H.
8. Application range: suitable for LED monochromatic light, 5050RGB lamp string, lamp belt, lamp strip and other products.



Specification:

Model	LED Strip Soldering Machine
Working stroke	X: 350mm, Z: 150mm, Platform: 1000mm
Accuracy	±0.05mm
Power Consumption	600W
Power Supply	1 -PH, 220VAC 50/60HZ
Air Pressure	4.5-6 kg/cm
Dimension	1600*1200*1400mm
Weight	220Kg

LED Strip Testing Machine

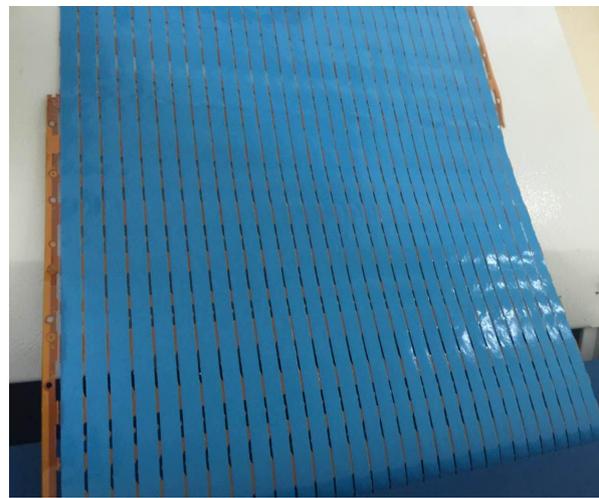
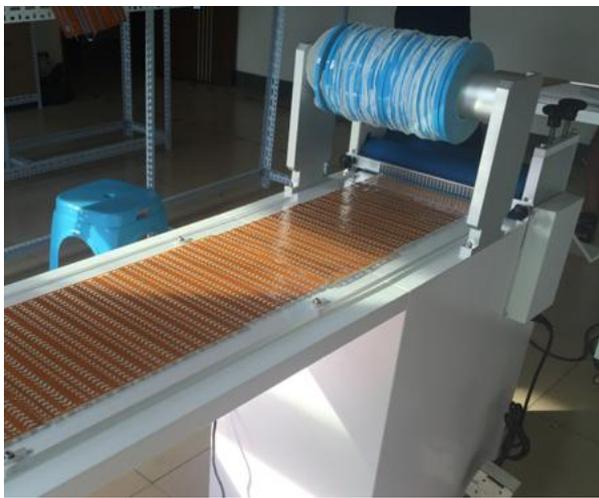


LED Strip Tape Sticking Machine



Introduction:

1. High efficiency: an hourly capacity of 5000 meters.
2. High quality: double-sided adhesive non bias, the product qualified rate of 99%.
3. The provincial Manual: a machine instead of 6-8 people's work output, simple operation.
4. Reduce costs: save labor costs, save double-sided adhesive, easy to manage.
5. Wide use: the use of a machine, suitable for various LED sticking gum products.



Specification:

Model	LED Strip Tape Sticking Machine
Power Consumption	40W
Power Supply	1 -PH, 220VAC 50/60HZ
Dimension	1800*400*1100mm
Weight	230Kg

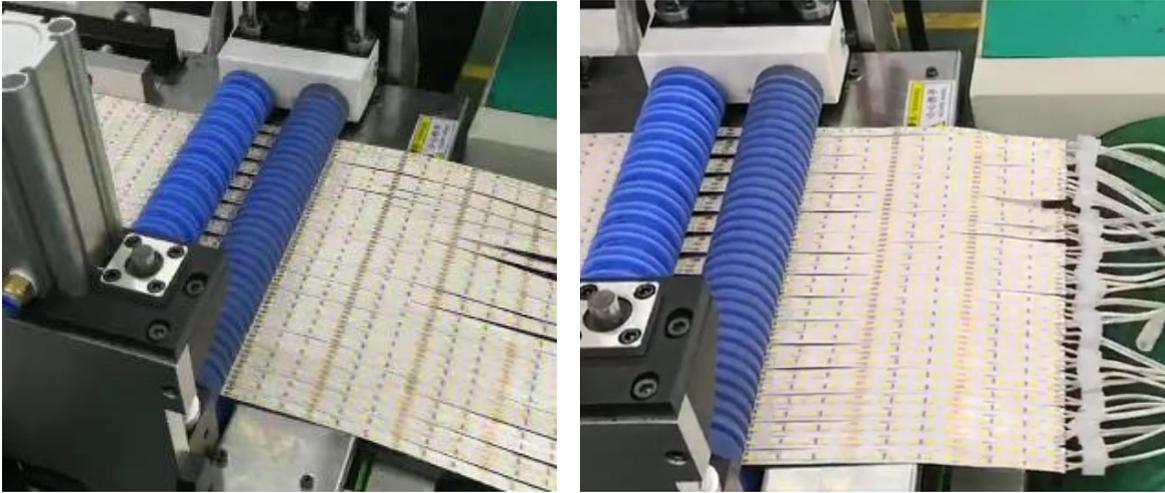
LED Strip Separate Machine



Introduction:

1. Customized cutting mold according to real PCB which can ensure accuracy.
2. The finished PCB cutting edge is smooth and flat.

3. The cutting process is very stable as using special blade to ensure the high cutting quality.
4. Can be compatible to automatic working line which will increase the production efficiency.
5. Original importing famous brand material can ensure the cutting quality and long life-span.



Specification:

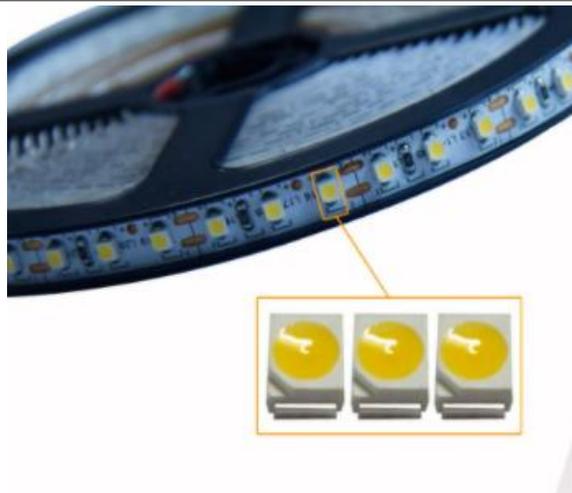
Model	LED Strip Separate Machine
Power Consumption	120W
Power Supply	1 -PH, 220V AC 50/60HZ
PCB cutting Speed	Adjustable, max. 300mm/s
Dimension	1100*660*1000mm
Weight	230Kg

LED Strip Reel Machine



Introduction:

1. Led strip lights wide range: 0~25mm. Assembling 3M double adhesive type and led Strip light light.
2. Led strip light type: waterproof, no waterproof, have the PVC cover or not led strip light.
3. The production capacity is 1000meter/per hour.
4. The machines reel has Clockwise and counterclockwise direction, the aim is that led inside or outside.



Specification:

Model	LED Strip Reel Machine
Power Consumption	12W
Power Supply	1 -PH, 220V AC 50/60HZ
Speed	147circle/min
Dimension	450*250*290mm
Weight	20Kg

Customer:

Thanks for contacting with I.C.T.
I.C.T looks forward to win-win cooperation.
Thank you.