SMT AUTOMATIC VISION PER AND PLACE MACHINE



Double Head Mounting



Humanized



Support



Double Mark Control System Multiple Feeders Point Recognition



PPM-A320VB SMT AUTOMATION •

PPM-A320VB SMT pick and place machine meet the design concept of multi-material and multi-variety components, which is suitable for small and medium-sized batch production, experimental development, school teaching and other purposes.

12 CORE TECHNOLOGIES

2 Heads Step Servo Motor

4 Cameras Industrial Monitor

54 Pcs Feeder 5500 Pcs/h Mounting

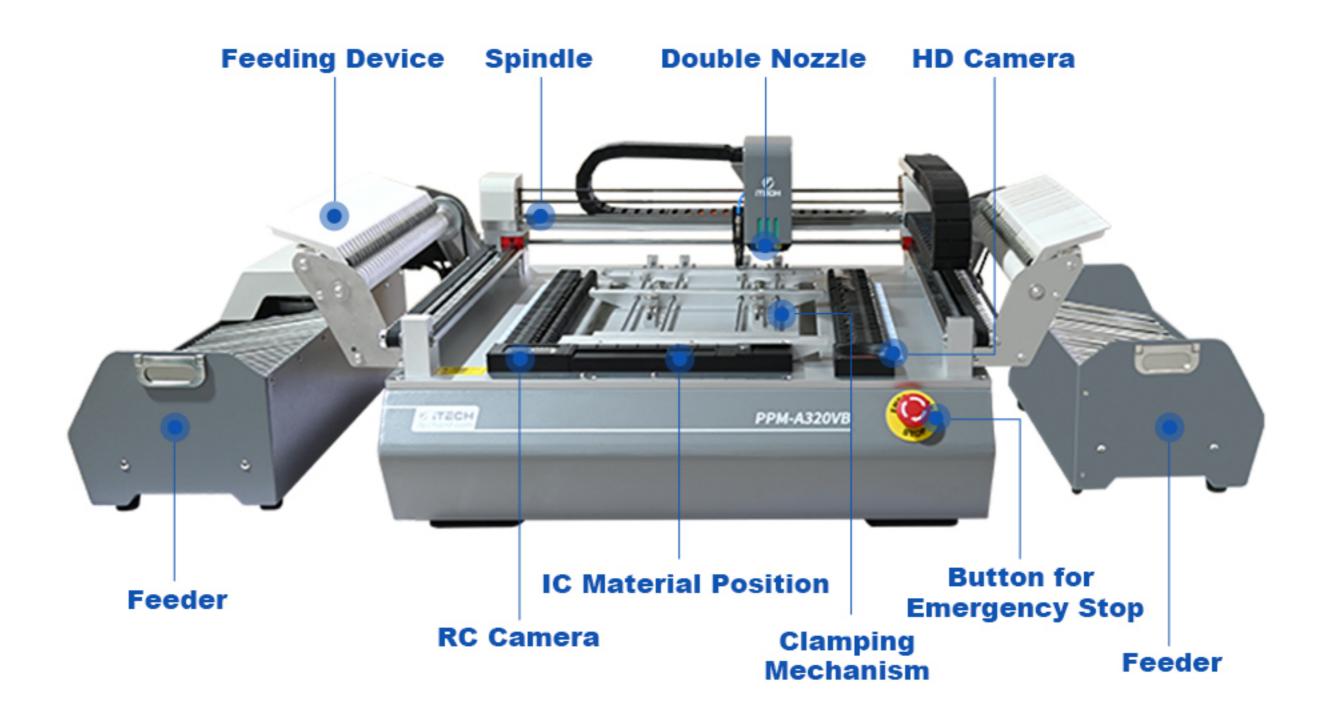
*Please contact us for availability.



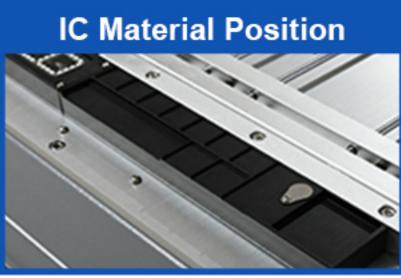
PRODUCT STRUCTURE

ZHEJIANG HUAQI ZHENGBANG AUTOMATION TECHNOLOGY CO., LTD.

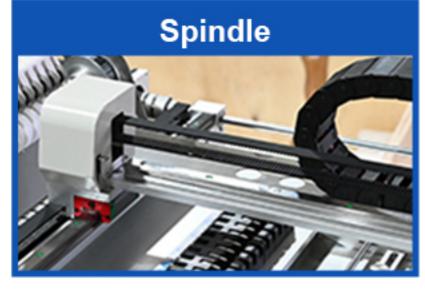
















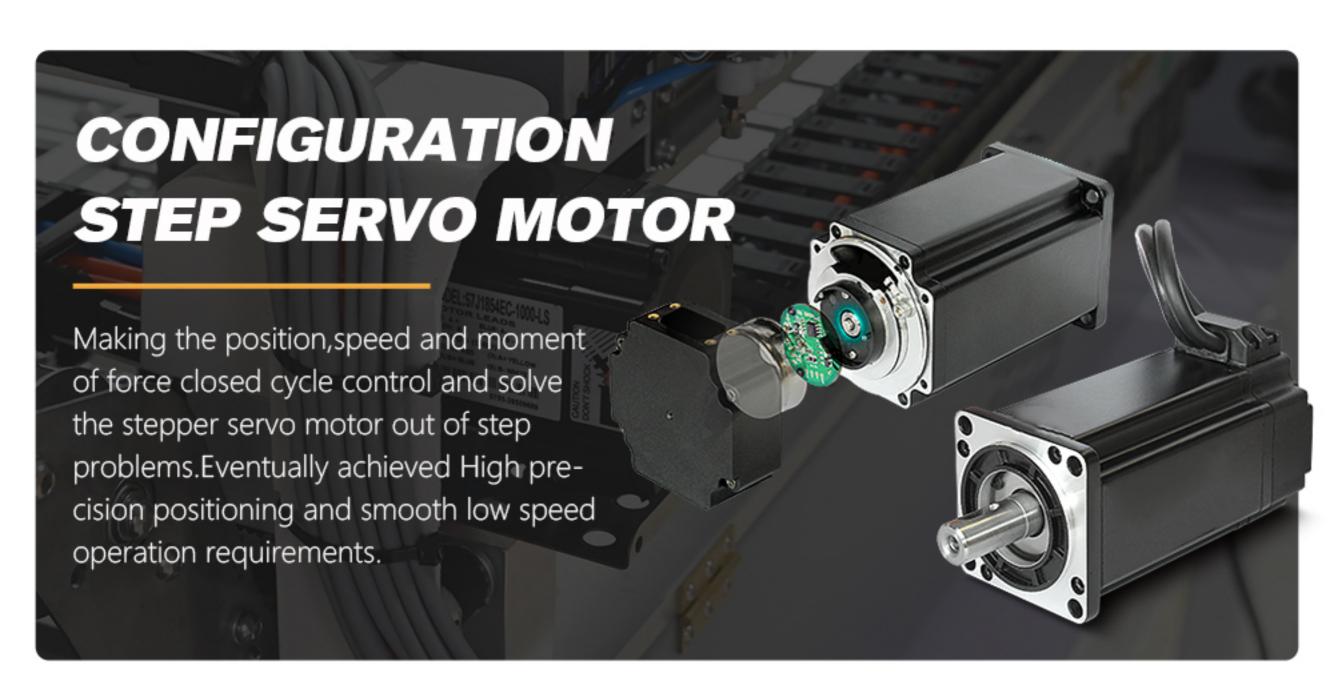


Model	PPM-A320VB
Mounting Numbers	2PCS
Mounting Precision	0.025mm
Mounting Angle	0∼360°
Mounting Speed	5500pcs/hour
Suction Nozzle Type	Juki Series Nozzle
Applicable Element	RC(0402、0603、0805、1206 etc)
	LED Lamp Beads(0603、0805、3014、5050 etc)
	Chip(SOT、SOP、QFN、BGA etc)
SMD Height	≤5.5mm(Customize ≤11mm)
PCB Minimal Size	10×10mm
PCB Maximum Size	320×450mm
PCB Thickness	≤2mm
Components Wheel Type	8mm、12mm、16mm、24mm、32mm
Front IC Location	10pcs
Back IC Tray	1pc
Vibration Feeder	ITECH Customized Feeder(Optional)
X/Y Axis Moving Range	430×530mm
Z Axis Moving Range	10mm
Z Axis Rotation Angle	0∼360°
Visual Camera	CCD High-definition Camera
Numbers of Visual	Parts Camera×3、PCB Camera×1
Recognition Capability	MAX. 22×22mm
PC System	Microsoft WIN7
Operational Software	R&D
Compatible File Format	CSV. TXT. Format
Program Method	Support Online and Offline Ways
Air Pressure	0.4Mpa
Vacuity Degree	-66kpa
Power	230W
Power Supply	AC220V±10% 50Hz
Main Engine Outline Size	L990×W730×H375mm
1#Materials Feeder Outline Size	L235×W700×H245mm
2#Materials Feeder Outline Size	L235×W485×H245mm
Weight	85

PRODUCT ADVANTAGES

ZHEJIANG HUAQI ZHENGBANG AUTOMATION TECHNOLOGY CO., LTD.





DOUBLE HEAD MOUNTING

DOUBLE MARK POINT RECOGNITION

Realize fast mounting, micro components and integrated IC components.





SUPPORT MULTIPLE FEEDERS

Support 54 bit automatic stripping film feeder , TUBE vibration feeder IC tray .Meet diverse needs



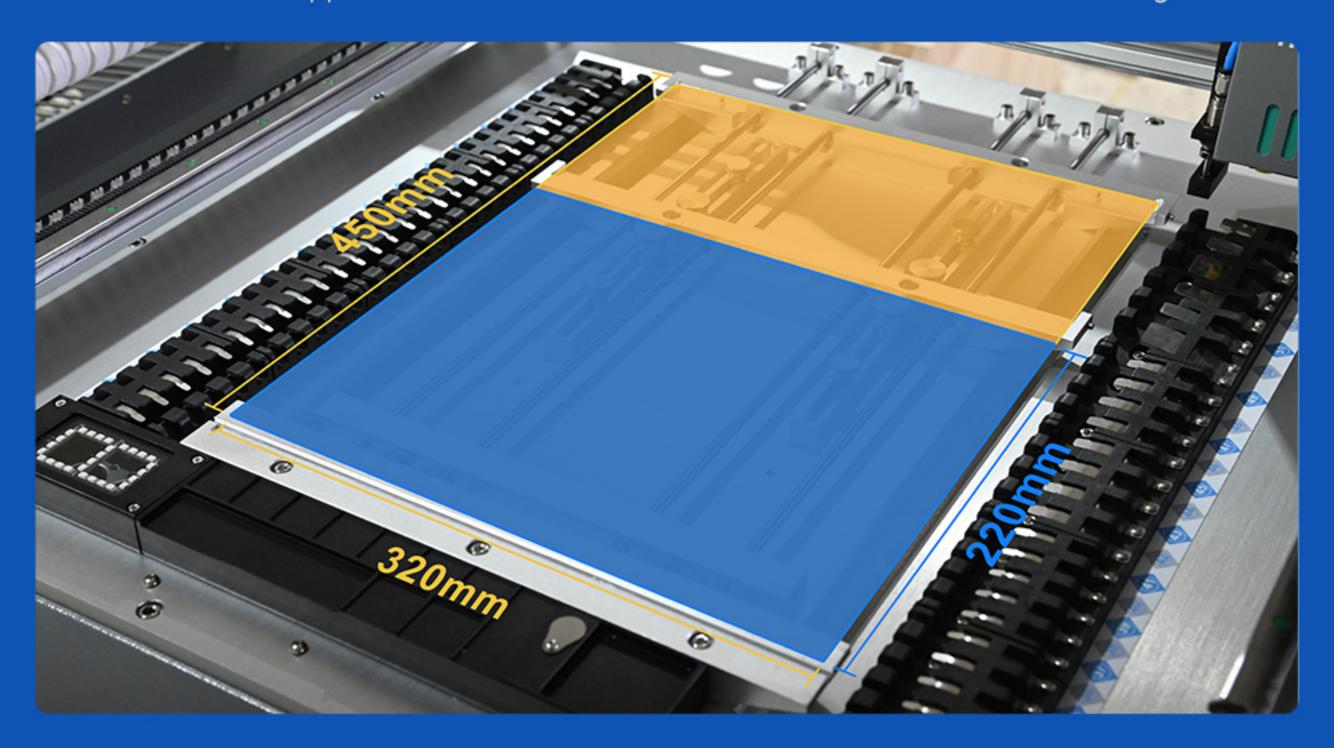


IC Tray

10pcs Front IC Location

PCB MOUNTING

320*450mm PCB support maximum 320*450mm PCBSuitable for most PCB mounting



FOUR GROUPS OF IDENTIFICATION CAMERAS



Double Components Identification Camera

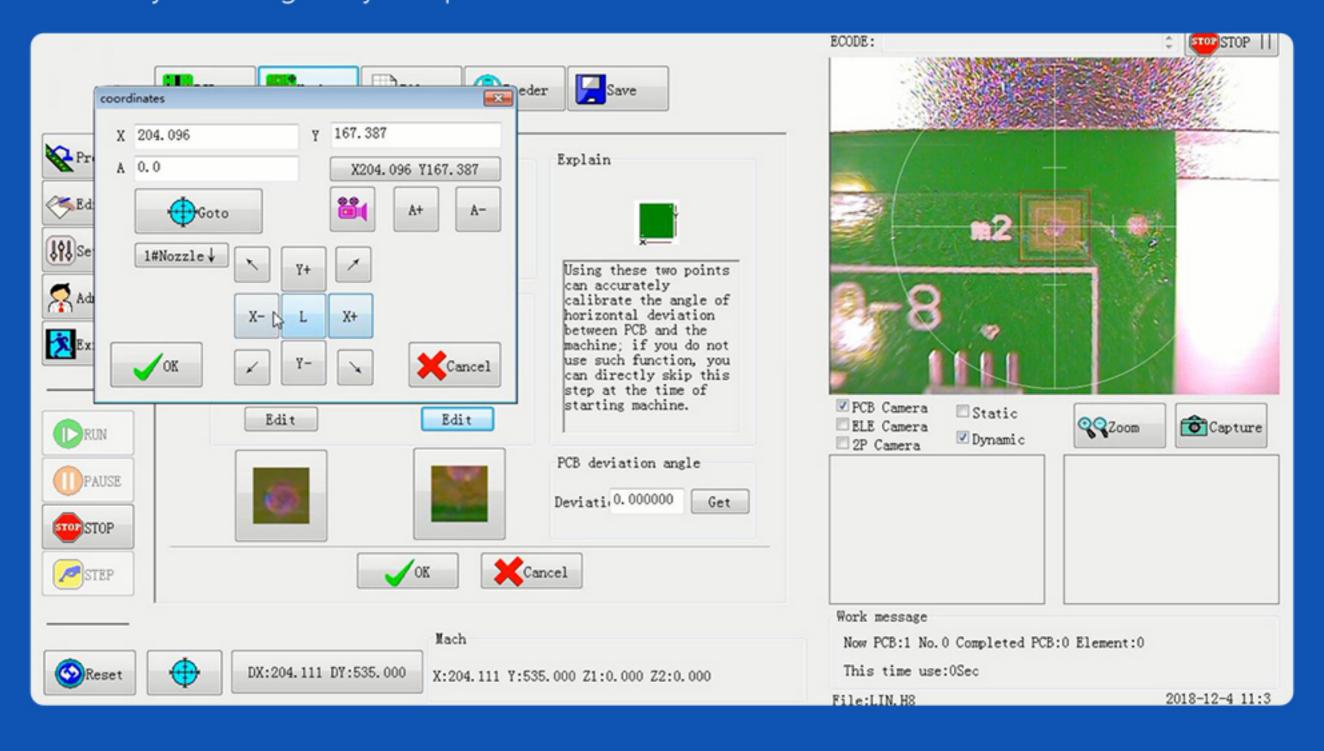
The fast double camera recognition system is adopted for different package chips to improve the efficiency of resistance and capacitance chip recognition

High Precision Identification Camera

High precision identification camera to improve large IC identification and placement accuracyCorrection the material offset .

DOUBLE MARK POINT RECOMMINON

Double mark point recognition and positioning function automatically corrects the deviation causedby PCB irregularity and position deviation



EMBEDDED INDUSTRIAL PC AND WINDOWS SYSTEM



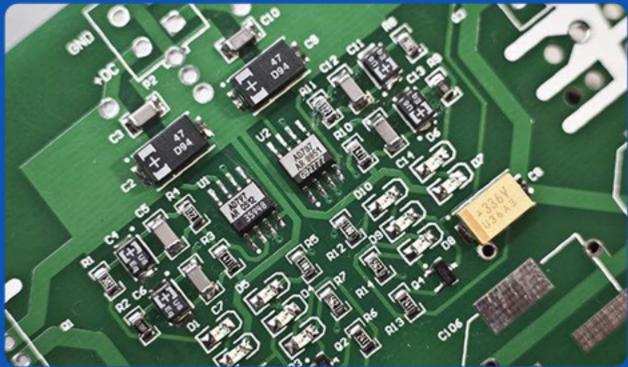
Embedded industrial PC, quality much more stable and reliable

EFFECT PICTURE

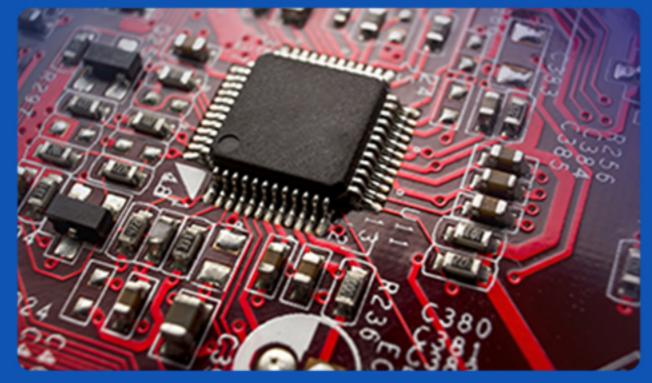
Maximum 5500pcs/h mounting Achieve high speed mounting requirements



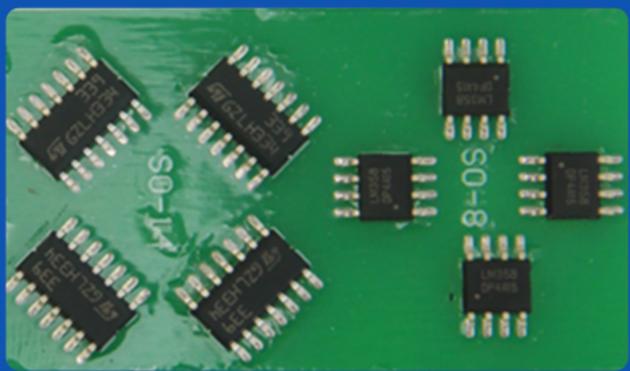
All Kinds of LED Mounting



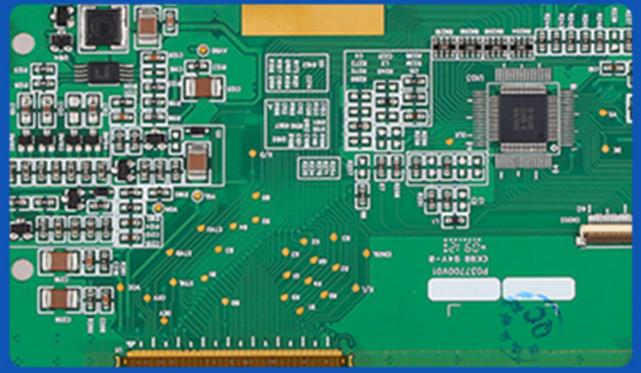
Resistance, Capacitance, Triode and IC Mixed Mounting



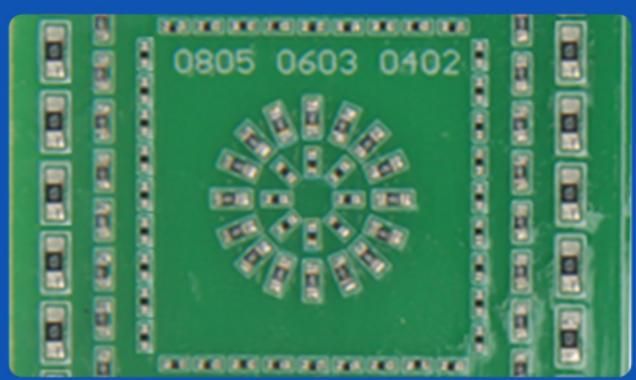
Resistance, Capacitance and IC Mixed Mounting



IC Each Angel Mounting



Resistance, Capacitance and Audion Mixed Mounting

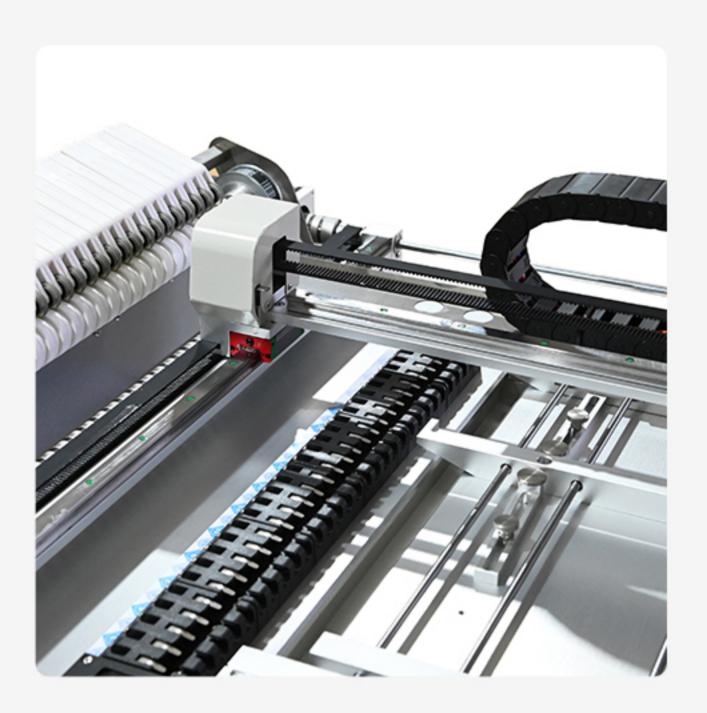


0402、0603、0805 Each Angel Mounting

PRODUCT DETAILS

SMT AUTOMATIC VISION PICK AND PLACE MACHINE







TAIWAN HIWIN LINEAR GUIDER WAY

Both XY axis adopts Taiwan HIWIN linear guide rail, more stable and more accurate.

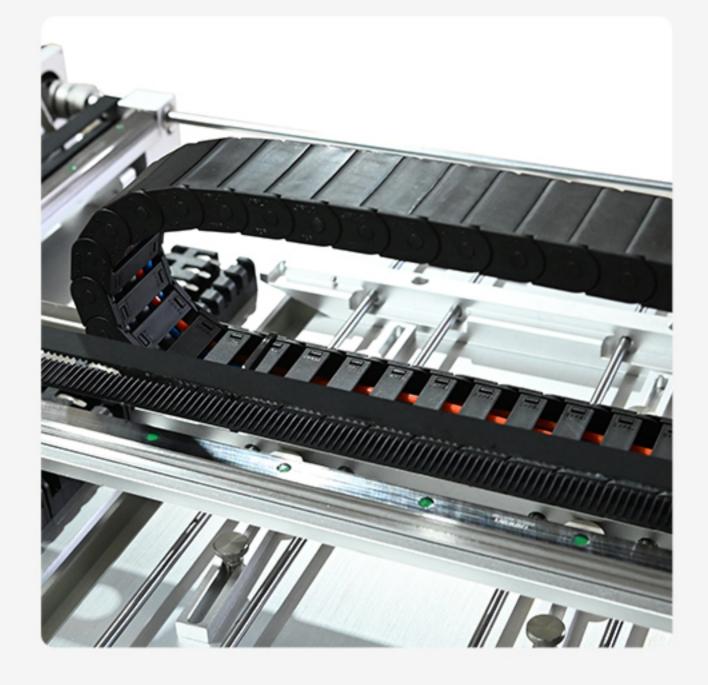




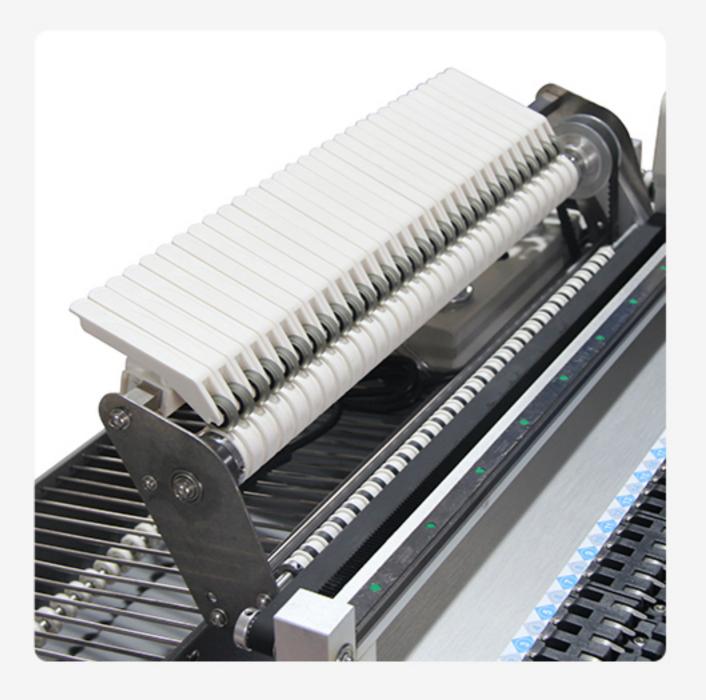
TRANSMISSION

TRANSMISSION BELT

Japan UNITTA 15mm width beltWith much good wear resistance and aging resistance. CeNot easy to deform and stretch, makes the machine have a high precision









AUTOMATIC STRIPPING FILM FEEDER

Independent research and development of pneumatic feeding system comparing with other similar products on the market, it perfectly improved the belt problem such as easy to break and and so on.





FEED SYSTEM

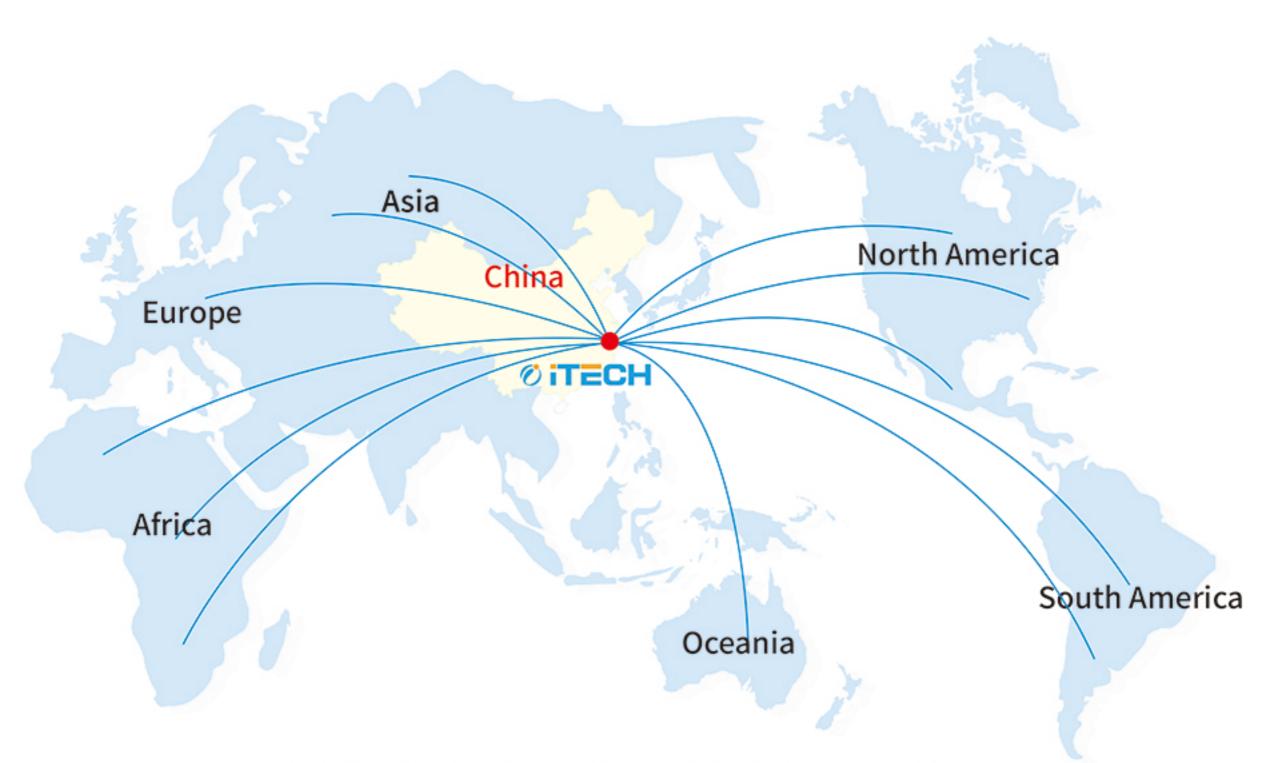
PATENTED BILATERAL FEED SYSTEM

Solve most of the nylon wheel on the market feeding difficult, return trouble, svtripping is not allowed, easy to break and other problems

Patent number:: ZL 2015 2 1139348.5







INTERNATIONAL SERVICE CENTER





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