



YOUR ONE-STOP SOLUTION SMT PARTNER

MOTEK



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MOTEK

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EMPOWER SMT MANUFACTURING

COMPANY PROFILE

MOTEK has been deeply engaged in the SMT industry for over 15 years. Starting with accessories, we have evolved into a one-stop service provider, offering comprehensive solutions tailored to our customers' needs. Our growth—from small beginnings to global expansion—has given us deep industry insight and a strong commitment to excellence.

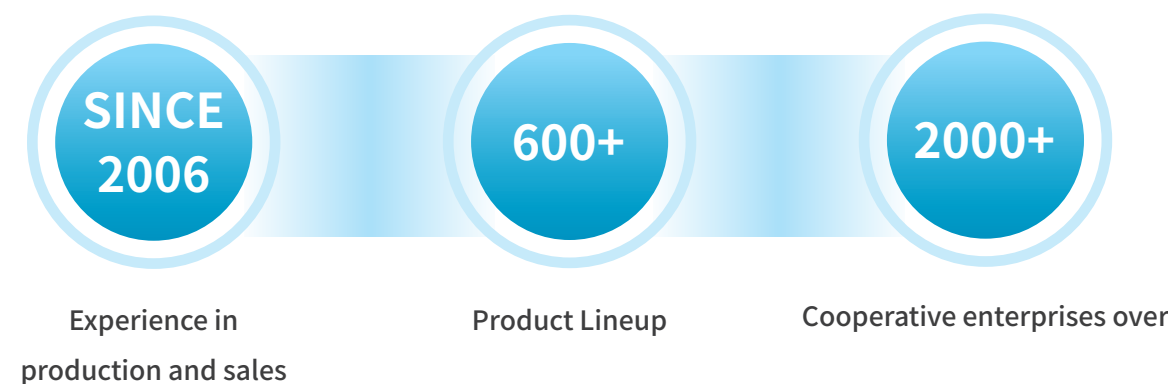
With offices in India and the USA, we are positioned to provide fast, reliable support worldwide. Wherever you are, MOTEK is always within reach.

We listen to understand.

We understand to deliver better solutions.

MOTEK – A Name You Can Trust in SMT!

■ Innovative ■ Reliable ■ Efficient



STRENGTH DISPLAY

MOTEK's Four Core Strengths: Driving Excellence in SMT Solutions

At MOTEK, our market competitiveness is built on four key strengths that define our commitment to quality, innovation, and customer satisfaction.

01

Comprehensive Product Range

MOTEK offers a wide array of products, including SMT equipment, accessories, and consumables, catering to various customer needs. This extensive selection allows clients to find tailored solutions for their specific requirements.

Global Presence

With offices in India and the USA, MOTEK ensures swift and reliable support to customers worldwide. This international footprint enables prompt responses to client needs, regardless of their location.

02

Expertise and Experience

Boasting over 15 years in the SMT industry, MOTEK's team comprises seasoned professionals dedicated to delivering high-quality services and support. This depth of experience ensures that customers receive knowledgeable guidance and reliable solutions.

03

Customer-Centric Approach

MOTEK emphasizes understanding and addressing customer needs by actively listening and providing tailored solutions. This commitment to customer satisfaction fosters long-term, trust-based relationships.

04

YOUR ONE-STOP SOLUTION SMT PARTNER



ONE-STOP PLATFORM
FOR ALL YOUR NEED FOR SMT

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PCB HANDLING APPLICATION



Automatic SMT High-End
Inspection PCB Conveyor



Automatic Multi Magazine
PCB Loader for SMT



Automatic Multi Magazine
PCB Unloader for SMT



Automatic SMT PCB Vacuum Loader



Loader & Destacker Combined
System for PCB



Unloader & Destacker Combined
System for PCB

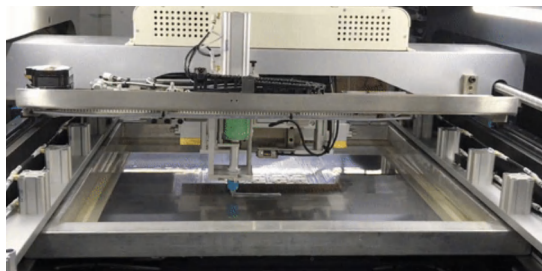


Automatic NG OK Vertical Buffer



Automatic PCB Flipper
Conveyor for SMT

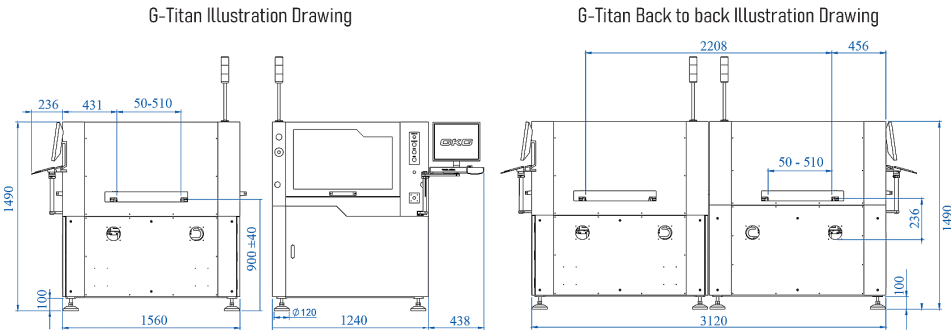
GKG G-TITAN SMT PRINTER



GKG G-TITAN

FEATURES:

- Ultra-High Precision Printing : $\pm 15 \mu\text{m}$ accuracy with linear motor drive system;
0.3 mm mini stencil support for micro components (01005, 0.1 mm CSP)
- Smart Vision & Alignment : 12 MP dual cameras with 3D SPI inspection (optional);
Auto stencil tension control for consistent printing
- Industry-Lead Speed: Up to 400 mm/s printing speed (IPC Class 3 compliant);
Fast board change <5s with auto support pin adjustment
- Industry 4.0 Ready: MES integration & real-time process monitoring;
AI-powered defect prevention with auto parameter adjustment



Model NO.	GKG G-TITAN	
Printing Performance	Printing Accuracy	$\pm 15\ \mu\text{m}$ (6σ)
	Printing Speed	50-400 mm/s (adjustable)
	Repeatability	$\pm 10\ \mu\text{m}$
Board Handling	Max. Board Size	510×460 mm(L×W)
	Min. Board Size	50×50 mm
	Board Thickness	0.2-6 mm
	Board Weight	$\leq 2\ \text{kg}$
Stencil System	Stencil Size	520×520 mm to 737×737 mm
	Stencil Thickness	0.03-0.2 mm
	Stencil Frame	Standard / Universal frame compatible
Vision System	Camera Resolution	12 MP dual cameras
	Alignment Accuracy	$\pm 25\ \mu\text{m}$ @ 3σ
	Fiducial Recognition	Supports 0.3 mm diameter fiducials
Mechanical	X/Y Drive System	Linear motor servo drive
	Z Axis Control	Servo motor with 0.001 mm resolution
	θ Adjustment	$\pm 3^\circ$ rotation
Automation	PCB Changeover Time	< 5 seconds
	Support Pin Adjustment	Automatic (16-32 pins)
Optional Features	3D SPI	Solder paste height inspection (10 μm resolution)
	Dual Lane	Parallel processing option
Connectivity	Software Interface	SECS/GEM, MES/ERP integration
	Data Output	CSV, Excel, PDF
Physical	Machine Dimensions	1500×1400×1500 mm(L×W×H)
	Weight	$\approx 1500\ \text{kg}$
	Power Supply	AC 220 V / 380 V $\pm 10\%$, 50/60 Hz, $\leq 3.5\ \text{kW}$
	Air Pressure	0.5-0.7 MPa
Environment	Operating Temperature	20-30° C
	Humidity	40-70% RH

PICK AND PLACE



PICK AND PLACE



YRM20



YRM10



YSM20R



YSM10



YS24



YS12

PICK AND PLACE



NXTR S Model



NXTR A Model



AIMEXR



AIMEXIII



NXTIII M3



NXTIII M6

PICK AND PLACE



NPM-GW



NPM-GH



NPM-W2



NPM-D3A



CM602



CM402

PICK AND PLACE



LX-8



RS-2



RX-8



RS-1R



JM-100

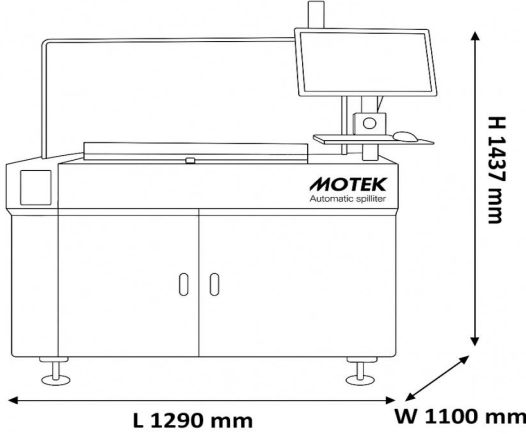


JM-50

PICK AND PLACE



PCB CUTTING MACHINE



MK-RM560 OFF-LINE VISION BOARD SPLITTER

FEATURES:

- ▶ Ultra-High Speed Cutting - 80,000 RPM spindle for precision milling (± 0.05 mm accuracy)
- ▶ Smart Vision System - Full-board CCD scanning & Mark-point alignment (± 0.01 mm repeatability)
- ▶ Dual-Platform Efficiency - Auto tool-changing & 1000 mm/s XY speed for batch processing
- ▶ Industrial-Grade Safety - Sealed work chamber + 6 HP dust collector with anti-static brushes



Model NO.	MK-RM560	MK-RM560L
Machine Size(L×W×H)	1290×1100×1437 mm	1290×1400×1437 mm
Effective Panel Size(L×W)	50×50 mm-340×380 mm	50×50 mm-340×450 mm
Machine Repositionin	Double-sided	
Cutting Accuracy	± 0.01 mm	± 0.05 mm
Max Moving Speed	X Axis: 1000 mm/s Z Axis: 500 mm/s	X Axis: 1000 mm/s Z Axis: 300 mm/s
Max Travel Distance	X Axis:750 mm Y Axis:510 mm Z Axis:100 mm	X Axis:750 mm Y Axis:710 mm Z Axis:100 mm
Spindle Speed	MAX: 80000 RPM	
Cutting Speed Method	Cutting Speed Method	Automatic Tool Change
Operating Interface	Windows 10 System Interface	
Programming Guidance	Color CCD Visual Image Program Input	
Program Backup	One-click Restore	
XYZ Drive Motor	AC Servo Motor	
Dust Collection Power	Upper Suction: 4-6 P	

PCB CUTTING MACHINE

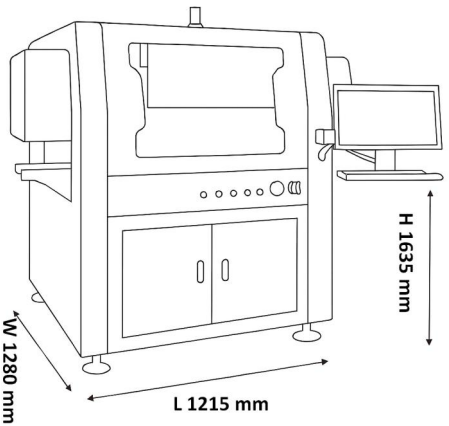


FEATURES:

- ▶ CCD Vision Precision - ± 0.02 mm alignment accuracy for error-free cutting
- ▶ Rotary Blade Tech - Clean, burr-free cuts at ± 0.1 mm tolerance
- ▶ Auto Material Handling - Robotic arm transfer & multi-output options
- ▶ Smart Production Ready - Windows 10 OS with USB backup & dust control

MK-RM210 VISUAL IN-LINE V-CUT BOARD SPLITTER

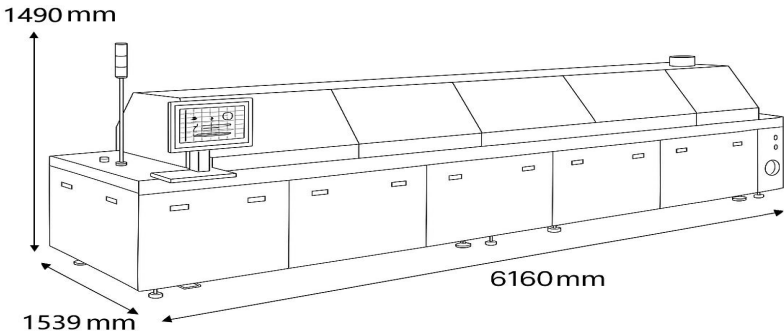
Model NO.	MK-RM210
Machine Dimensions	1215×1280×1635 mm (L×W×H)
Effective Board Size	350×350 mm(L×W)
Work Table Size	370×400 mm(L×W)
Feeding Method	Rail feed, direct PCB infeed
Output Method	Magazine output / belt output / rail output
Transfer Method	Mechanical arm transfer, vacuum adsorption
Working Height	900 ± 20 mm
Flow Direction	Left to right or right to left
Table Repeatability	± 0.02 mm
Cutting Accuracy	± 0.1 mm
Maximum Moving Speed	1000 mm/s
Maximum Travel	X Axis: 510 mm,Y Axis: 600 mm,Z Axis: 100mm
Robot Arm Travel	X Axis: 610 mm, Z Axis: 100 mm
Rotation R Axis	0-360°
Cutting Speed	100 mm/s
Operation Interface	Standard Windows 10 interface
Programming Method	Color CCD image visual teaching input
Program Backup	USB interface



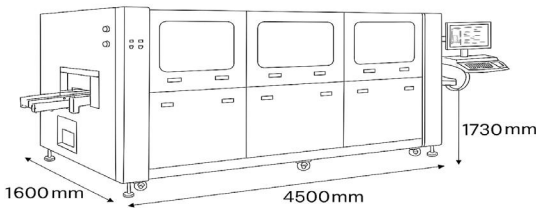
REFLOW OVEN & WAVE OVEN



XMR-1000D



XMW-450



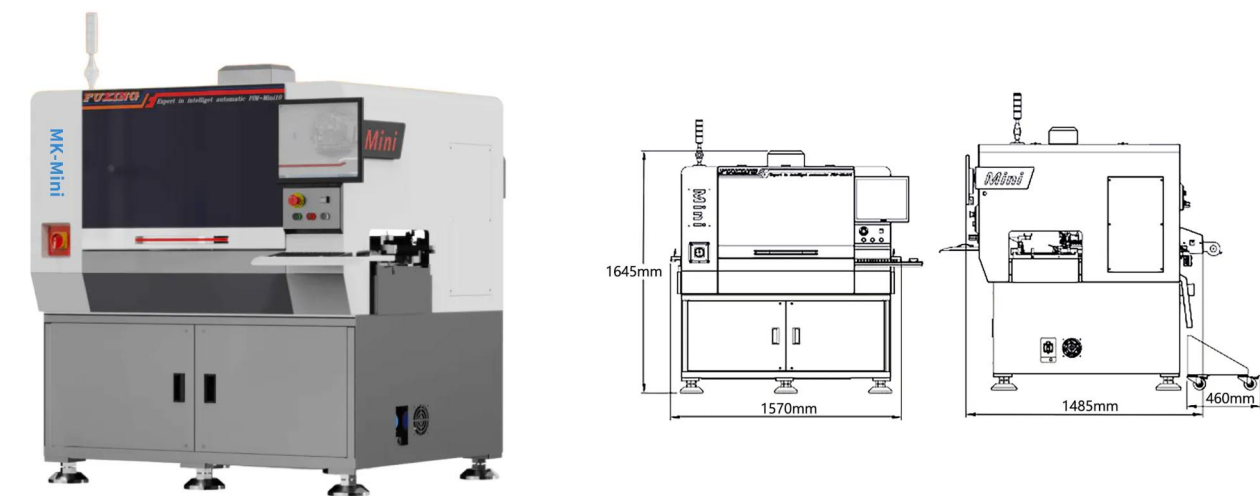
FEATURES:

- ▶ Easy Operation: Single-chain adjustment.
- ▶ Durable: Modular design with hardened rails.
- ▶ Efficient Heating: Patented hot air convection system.
- ▶ Precise Control: PLC and PLD closed-loop temperature regulation.

Model NO.	XMR-800D	XMR-1000D
Dimention(L×W×H)	5378×1539×1490 mm	6160×1539×1490 mm
Heating zones quantity	UP/DOWN 8	UP/DOWN 10
Heating zone length	3110 mm	3892 mm
Cooling zones quantity	UP 2 zones(Cold air internal circulation)	
Exhaust air volume requirements	10 m ³ /min×2	
Electricity supply	3-phase, 380 V 50/60 Hz (Option:3-phase, 220 v 50/60 Hz)	
Total power	70 kW	86 kW
Start power	32 kW	38 kW
Normal power	11 kW	12 kW
Heating up time	Approx 35 min	
Temperature control mode	PID Closed-loop control+SRS driver (PC+PLC control)	
Temperature control accuracy	+ 1° C	
Maximum PCB width	400 mm-450 mm	
Parts are highly	PCB Board up 30 mm/down 25 mm	
Transport direction	L-R or R-L	
Conveying method	Chain + network: chain + central support; Only chain	
Conveyance belt height	900 + 20 mm	
Transportation speed	300-2000 mm/min	
Cooling way	Forced air cooling, chillers cooling	
	2645 kg	3050 kg
Fixed mode of transport guide rail	Fixed mode of transport guide rail	
Double rail transport	1、 3 or 1、 4 fixed, MAX PCB size 250×250mm	

Model NO.	XMW-450
Dimension(L×W×H)	4500×1600×1730 mm
Power supply requirement	3 P 5 W, 380 V AC 50/60 Hz 63 A
Total power	25 kW
Startup / Work power	15 kW / Approx 3-8 kW
Control system	PC+PLC
Preheat model	Hot air
Speed control	Stepless frequency(N/A)
Preheat length / temp/zone NO.	1800 mm / Room Temperature -250° C / 4
Soldering system	± 1.5° C(by RM board test standard)
Driving type	Mechanical pump; Oven: iron titanium/ball milling cast iron
Heater power	Iron: 14.5 kW Titanium 15 kW
Pot capacity	Lead free: 500 kg-550 kg
Max stove temp / used temp	Max 300° C / Max 280° C
Temp control mode	PID+SSR mode
Wave drive power / height control	1/2 HPX2 3P 220 V AC / Frequency converter
Warm-up time	About 90 min(set: 250° C)
PCB conveying speed	0~1800 mm/min
Entry height	750 ± 20 min(optional: 900 ± 20min)
Conveyor angle / motor power	3° -7° / 120 W 3P 220 V AC
PCB width / height	50-450 mm / 120 mm Bottom: 25 ± 5 mm
Transport accuracy	± 2%
N2 consumption	15 m ³ /h<1000 PPM
Flux auto feeding / flow	standard / 20-100 ml/min
Source / Spray pressure	0.5-0.8 KPa / 0.25-0.4 MPa
Fan	380 V AC 750 W
Air tube diameter	Ø200 min
Cooling(option)	2 HP 2P 220 V AC
Center support	Optional

■ INSERTION MACHINE



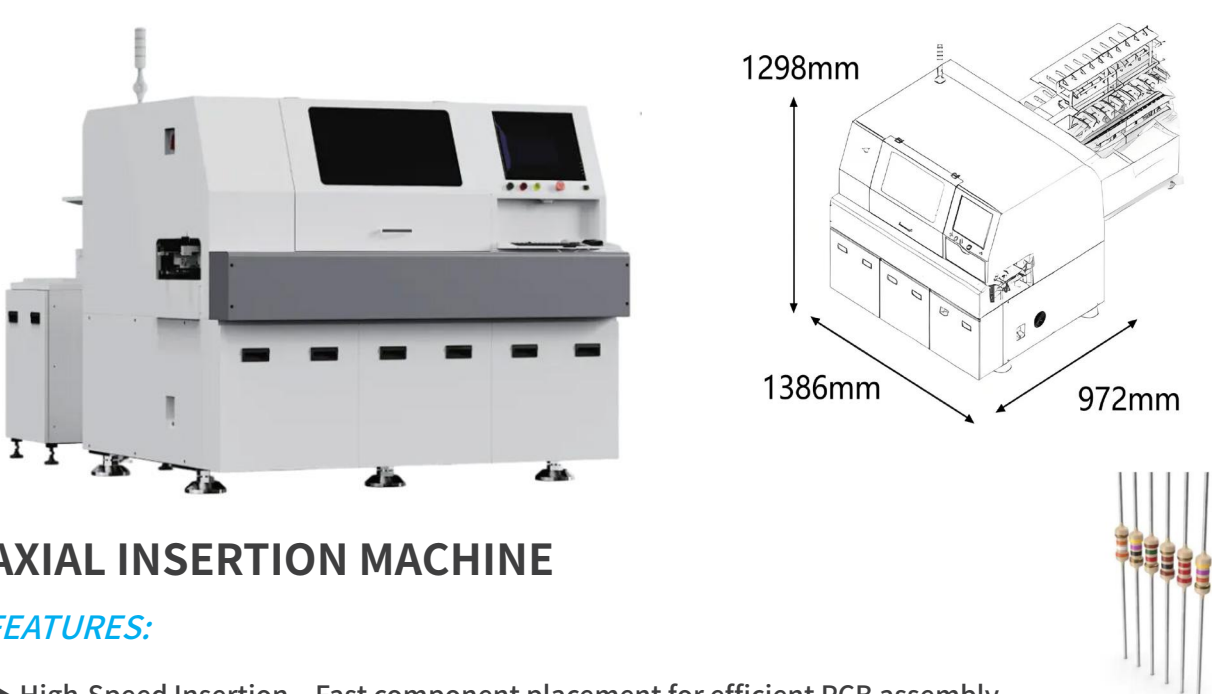
RADIAL INSERTION MACHINE

FEATURES:

- High Precision – Ensures accurate component placement.
- Multi-Component Support – Handles resistors, capacitors, diodes, and more.
- Auto-Feeding System – Minimizes manual work for efficiency.
- Easy Operation – User-friendly interface for quick setup.

Model NO.	Mini 7
Number of feeder	Standard 7 sets
Theoretical speed	Insertion: 0.19 sec/pcs; Transfer: 3 sec/pcs
PCB Size	Max PCB pass size: 1390 W 280 mm; Max insertion range: 1320 W 260 mm (left-right)
Insertion angle & lead span	360°optional (increment in 1°); Lead spacing: 2.5/3.5/5.0/7.5/10.0 mm (optional)
Control System	Windows OS (Chinese/English interface), LCD display, USB input (Excel fommat)
Driving System	AC servo, AC motors; Base driving/CTA driving mode: solenoid valve + precision cylinder
Functional Configuration	Standard features: PCB auto-scanning, AI programming, Mark recognition, auto-detection, Badmark recognition, foolproof program, MES management, component error prevention, remote technical support
Component type & size	Suitable for radial tape packaging (tape hole spacing: 12.7/15 mm); Max height: 23 mm; Max diameter: 13 mm(customizable)
Component lead trimming & bending	Trimming length: 1.2~2.2 mm (adjustable); Bending angle: 5°~45° (adjustable)
Power & Air	220 V AC (single-phase), 50/60 Hz, 1.5 kW; Air: 0.6 MPa / 0.3 m³/min
Equipment size & weight	Overall dimension: (L×W×H)1570×1485×1645 mm (10 feeder stations); Total weight: approximately 900 kg

■ INSERTION MACHINE



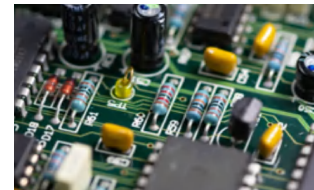
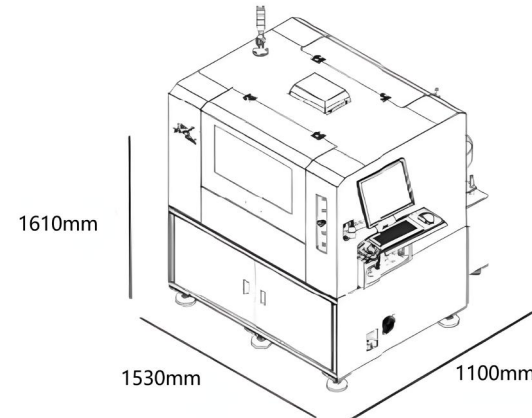
AXIAL INSERTION MACHINE

FEATURES:

- High-Speed Insertion – Fast component placement for efficient PCB assembly.
- Multi-Function Compatibility – Supports axial, radial, and odd-form components.
- Precision Control – Ensures accurate insertion with minimal errors.
- Automated Feeding – Reduces manual labor with integrated feeding systems.

Model NO.	AKM
Insertion accuracy	0.01 mm
Number of feeder	standard 10 set,standard 20 set
Theoretical speed	insert 0.18 sec/pcs,transfer 3 sec/pcs
PCB Size(L×W)	max PCB pass size 330×280 mm, max insert range 330×280 mm, above left-right
Insertion angle & lead span	0° , 90° , 180° ,270° Parallel ;Double hole spacing
Component type & size	Standard 0.6 mm, diameter 0.4-0.8 mm (optional), capacitor, transistor, diode, resistor, fuse, and other tape packaging materials and jumpers
Component lead trimming & bending	trimming length 1.2~2.2 mm (adjustable);bending angel 5~45° (adjustable)
Power & Air	single-phase; 0.6 MPa/0.3 m³/min
Equipment size & weight (L×W×H)	overall dimension 1386×972×1298 mm(10 feeder station), total weight 1500 kg overall dimension 1895×972×1298 mm(20 feeder station), total weight 1500 kg
Control System	Windows operating system, chinese & English interface, platform, LCD display, USB input (EXCEL document-format)
Driving System	AC servo, AC motors, base driving mode/CTA Servo motor

■ INSERTION MACHINE



ODD-FORM COMPONENT INSERTER

FEATURES:

- High-Speed Insertion – Fast component placement for efficient PCB assembly.
- Multi-Function Compatibility – Supports axial, radial, and odd-form components.
- Precision Control – Ensures accurate insertion with minimal errors.
- Automated Feeding – Reduces manual labor with integrated feeding systems.

Model NO.	Y20
Insertion accuracy	0.01 mm
Theoretical speed	insert 0.4 sec / pcs, transfer 3 sec / pcs
PCB Size(L×W)	max PCB pass size 350×280 mm, above left-right
Insertion angle & lead span	360° optional, in increments of 1°
Component type & size	Sucking ≤ 150 g, grasping ≤ 200 g, Length width height ≤ 40×40×40 mm
Component lead trimming & bending	trimming length 1.2~2.2 mm (adjustable); bending angel 5~45° (adjustable)
Power & Air	220 V, AC (single-phase) 50/60 Hz, 1.5 kW, 0.6 MPa/0.3 m³/min
Equipment size & weight	overall dimension (L×W×H)1530×1100×1610 mm(customizable), total weight 1100 kg, approximately 1100 kg
Control System	Windows operating system, chinese & English interface, platform, LCD display, USB input (EXCEL document-format)
Driving System	AC servo, AC motors, base driving mode / CTA driving mode: solenoid valve+precision cylinder

■ X-RAY COMPONENT COUNTING



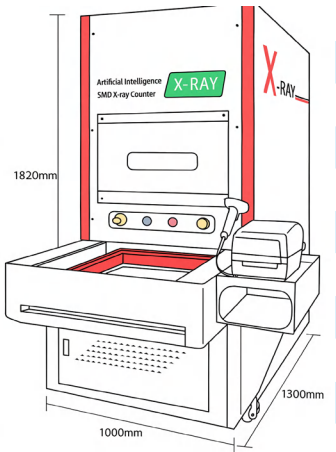
MK-XC01

FEATURES:

- It counts reels or trays of components in under 10 seconds with over 99.98% accuracy.
- It uses AI deep learning that keeps improving and supports automatic code scanning and label printing.
- It can handle up to 17" reels or trays and connects easily to MES, ERP, and WMS systems.
- It's safe, easy to use, and requires no mode switching between single or multi-reel counting.



Model No.	MK-XC01	
X-ray source	Type	Integrated, microfocus
	Max tube voltage / current	80 kV / 700 μA
	Focal spot size	30 μm
Flat panel detector	Type	Super definition digital FPD
	Effective area	430×430 mm
	Resolution / Pixel size	3072×3072 / 139 μm
Reel/tray counting	Max size / thickness	17"(430 mm) / 88 mm
	Min parts size / Speed	01005 / 7-10 s
	Accuracy	01005 ≥ 99.98%, 0201 & above ≥ 99.99%
Equipment	Max power	800 W
	Power supply	AC 110-220 V 50/60 Hz
	Dimensions / Weight	1000×1300×1820 mm(L×W×H)/ 580 kg
	Industrial PC / Displayer	I7 CPU, 16 G RAM, 256 G SSD+4 T HDD / 24"HDMI LCD
Other functions	Auto code scanning	Barcode and QR code
	Label printing	print the corresponding label when user takes out a reel
	Counting record	Inquiry by time range, work order number
	Management system connection	MES, ERP, WMS etc
	Mode switching	No need to switch single / multi reel mode
Safety	Work order no	Support work order number recording
	Radiation leakage	No leakage, international standard: ≤ 1 μSv/h
	Back door safety interlock	Once users open the back door, X-ray tube will power off immediately. When the back door is open,users can't turn on the X-ray



X-RAY INSPECTION

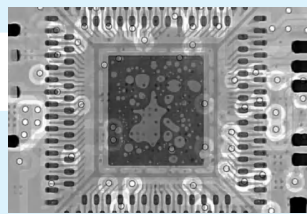
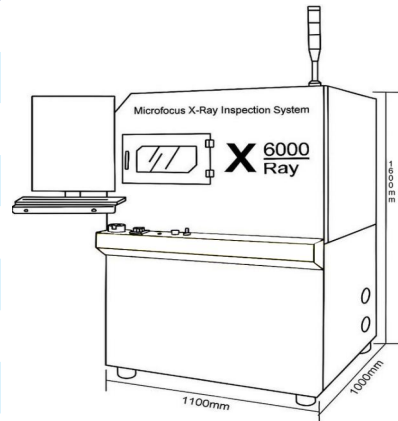


MK-X6000

FEATURES:

- High-resolution imaging with a durable, maintenance-free X-ray tube and HD flat panel detector.
- Smart automation enables fast, repeatable inspections with auto defect detection and navigation.
- Large, flexible worktable supports multi-angle, high-speed inspections for various product sizes.
- User-friendly and safe design with easy operation, full radiation protection, and quick training.

Model NO.	MK-X6000	
Flatpanel detector	Effective area / Pixel size	130×130 mm / 85 μm
	Resolution / Frame rate	1536×1536 / 20 fps
Table	Size	420×420 mm
	Detectable area / Max load	400×400 mm / 15 kg
Equipment	Magnification	Geometry 150 X System 1500 X
	Inspection speed	Max 3.0 s / point
	Dimensions / Weight	1100×1000×1600 mm / 1000 kg
	Power supply / Max power	AC 110-220 V 50/60 Hz / 1300 W
	Industrial PC / Displayer	Intel i5 CPU, 8 G RAM, 240 GB SSD / 24" HDMI LCD
Safety	Radiation leakage	No leakage, international standard: ≤ 1 uSv/h
	Lead glass observation window	Transparent lead glass window shields radiation to observe the inner status.
	Window and back door safety interlock	Once users open the window or back door, X-ray tube will power off immediately. When the window or back door is open, users can't turn on the X-ray.
	Electromagnetic safety switch	Lock once the X-ray is on, users can't open the observation window.
	Emergency stop	Next to the operation position, press to power off
	Tube protection	User can't leave the software to if you don't close the X-ray tube.



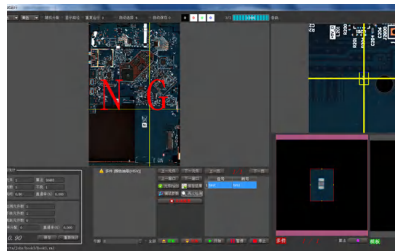
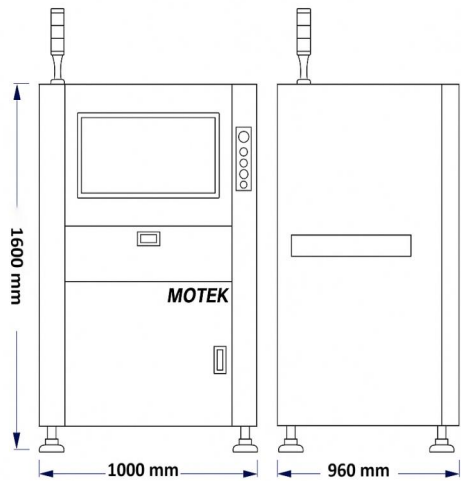
AUTOMATIC OPTICAL INSPECTION MACHINE



MK-ZMS820 IN-LINE AOI

FEATURES:

- High-Speed Precision - Multi-camera system achieves 0.01 mm² defect resolution at 0.5 s/chip inspection speed
- 3D+2D Hybrid Detection - Combines 3D profilometry with 12 MP color imaging to catch solder/component defects
- Smart Adaptive AI - Self-learning algorithm reduces false calls (< 0.1%) with 99.98% defect recall rate
- Inline Production Ready - Supports Dual-Lane 600 mm boards and integrates with MES/SPC systems



Model NO.	MK-ZMS820
Applicable PCB Size	50×50 mm-460×510 mm
PCB Thickness	0.5 mm-5.0 mm
Inspection Speed	Approx. 0.3 sec/FOV
Camera Resolution	5 MP Industrial Color Camera
Lighting	RGB Ring Light + Coaxial Light
Top Clearance	30 mm
Bottom Clearance	30 mm
Conveyor Height	900 ± 20 mm
Communication	SMEMA-compatible
Operating System	Windows OS (Industrial PC included)

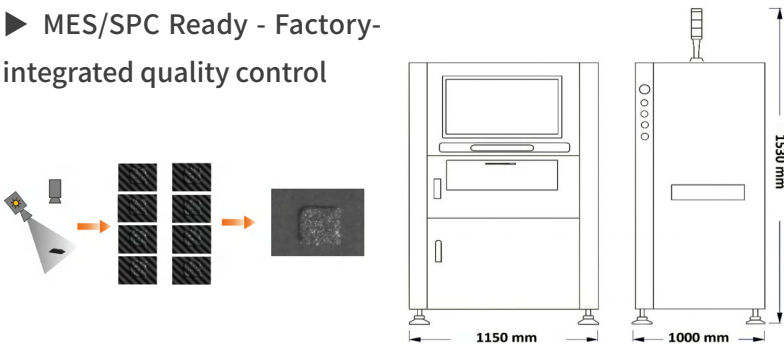
SOLDER PASTE INSPECTION MACHINE



SINICTEK S8080 3D SPI

FEATURES:

- ▶ 10 μm Precision - High-res cameras detect ultra-fine defects
- ▶ AI Defect Learning - Smart algorithms minimize false calls
- ▶ Dual-Lane Speed - Inspects 50K components/hour
- ▶ MES/SPC Ready - Factory-integrated quality control



Model	510B / 510C / 630 / 2020
Series	InSPire / S / F / Hero / Ultra / B / ISERIES
Measurement Principle & Measurements	3D white light PSLM PMP(Programmable Spatial Light Modulation, Phase Measurement Profilometry) volume, acreage, height, XY offset, shape
Detection of Non-Performing Types	missing print, insufficient tin, excessive tin, bridging, offset, mal-shapes, surface contamination
Lens Resolution	4.5 μm / 5 μm / 6 μm / 8 μm / 10 μm / 12 μm / 15 μm / 16 μm / 18 μm / 20 μm
Accuracy & Repeatability Gage R&R	XY(Resolution): 10 μm & height: ≤ 1 μm(4 Sigma); volume / area:< 1%(4 Sigma); <<10%
Inspection Speed Quantity of Inspection Head Mark-point Detection Time	0.35 sec / FOV-0.5 sec / FOV(According to the actual configuration) Standard1, option 2, 3 0.3 sec/piece
Maximun Measuring Head & Height of PCB Warp Maximun Loading PCB & Detection Size(X*Y) Minimun Pad Spacing Minimun element	± 550 μm (± 1200 μm as option) & ± 5 mm 450 × 500 mm(510B,2020) 470x500 mm(510C) 630x686 mm(630) 80 μm / 100 μm / 150 μm / 200 μm 01005 / 03015 / 008004(option)
Conveyor Setup Conveyor Width Adjustment	front orbit(back orbit as option) manual & automatic
PCB Transfer Direction	Left to right or Right to left
SPC/Engineering Statistics	Histogram; Xbar-R Chart; Xbar-S Chart; CP&CPK; %Gage Repartability Data; SPI Daily / Weekly / Monthly Reports
Gerber & CAD Data Import / Operating System Support	support Gerber format (274x, 274d), manual Teach model; CAD X / Y, Part No., Package Type input / Windows 10 Professional (64 bit)
Equipment Diemension and Weight	(W × D × H)1000 × 1150 × 1530(510B, 2020), 965 kg 1000 × 1174 × 1530(510C), 985 kg 1180 × 1330 × 1530(630), 1160 kg

Optional: One person controls more machines、 Network SPC(Software only) 、
1D / 2D Barcode scanner, out-line programming software, UPS continuous power supply

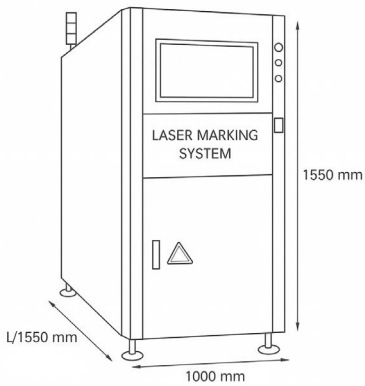
PCB LASER MARKING MACHINE S-SERIES



MK-S-SERIES

FEATURES:

- ▶ Direct Mounting Machine Double Track (686 mm track width)
- ▶ Independent engraving mode: two tracks of AB can be engraving with different machines at the same time
- ▶ Independent transmission board, transmission time is 0
- ▶ Double track PCB size: 450×250 mm;
Monorail PCB size: 450×450 mm



Type	Model	Size	Working	Locate Model	Equipment power	Weight (kg)	Dimention (L*W*H)
S300 series	S300G	300*300	Laser location	CCD+Mark	2 kW	550	860*1650*1550
Single-track	S450A S450P S450C	450*450	Laser moving	CCD+Mark	2 kW	680	1000*1550*1550
Turning plate	S450PF S450AF S450UF	450*450	Laser moving	CCD+Mark	2 kW	800	1000*1550*1550
Double-end	S450PD S250AD	450*450 250*250	Laser moving	CCD+Mark	2.5 kW 2.5 kW	1100 1000	1000*1550*1550 760*1650*1550
Dual-track	S450PS	single-track450*380 dual-track450*270	Laser moving	CCD+Mark	2 kW	800	1000*1700*1600
SP80	SP80U	400*300	Laser Mobile platform	CCD+Mark	5 kW	1000	1450*1450*1550
SP90	SP90U	500*300	Laser Mobile platform	CCD+Mark	5 kW	1500	1600*1800*1900
PH150	PH150	180*130	Laser location	CCD+Outline	2 kW	700	
Desktop	T100U	110*110	Laser location	Manually location	1 kW	200	
Index plate	S110M	110*110	Rotating platform	Mechanical location	1.5 kW	600	

ICT MACHINE

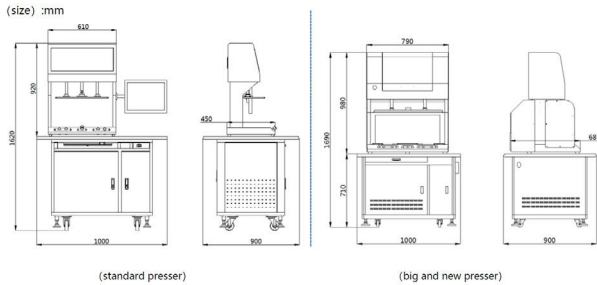


Model NO.	MK-818SII
Test point	Standard: 256 points ; max:4096 points
System	Windows 7-10
Power Spec	200-240 V AC, Single Phase, 50/60 Hz 3 kVA
Air Requirement	4-8 MPa; 15 liters / cycle
Environment	Temperature: 0°C -40°C Operating Humidity: 20%-80%
Fixture Type	Manual type; Press type: Inline type
Open/short Test	1000 point< 1S, Innovation algorithm
Component Test	0.5 ms-30 ms
PCBA Size	300×450×100 mm(L×W×H)
Pneumatic	Diameter : ϕ : 100 mm, Cylinder stroke: 160 mm
Maximum air pressure	470 kg / 6 Bar
Resistance	0.01 mΩ — 40 MΩ
Capacitance/Inductance	10 PF-60 MF/10 uH-60 H
Programmable DC Voltage Source	± 10 V MAX,Resolution: 10 mV
Programmable DC Current Source	100 mA MAX, Resolution: 0.2 mA
Programmable Frequency	100 Hz, 1 KHz, 10 KHz, 100 KHz
DC Voltmeter	0 ± 100 V Resolution: 3 mV-50 mV
DC Ammeter	1 uA-50 mA Resolution: 30 nA-50 uA

IN-CIRCUIT TESTER MK-818SII

FEATURES:

- Expandable Points: Up to 4096 test points.
- Dual-Door Design: Double gas double door.
- Safety Features: Two-hand operation with precision safety grating.
- Convenient Workstation: Draw-out type.
- Dynamic Testing: System synchronization with dynamic light.
- Efficient Cooling: Waist-shaped cooling holes for better heat dissipation.



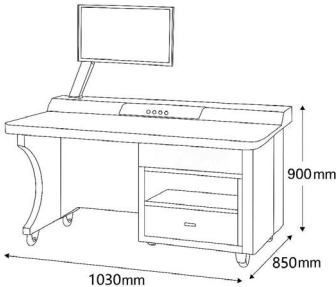
ICT MACHINE

FIRST ARTICLE INSPECTION TESTER MK-F500



FEATURES:

- Auto Program: Generates inspection programs from BOM & Gerber.
- Visual Results: Displays test data on components.
- LCR Support: Compatible with multiple LCR bridges.
- Optical Check: Detects values, missing parts, and polarity.
- Mobile Display: Screen projection for remote access.



Model NO.	MK-F500
PCBA Inspection	SMT pre-oven PCBA (solder paste board, sticky taped board, glued board)
Inpection method	Empty locations are automatically filtered Resistance, capacitance, and inductance are measured using LCR bridges and automatically analyzed Others such as ICs, transistors, etc. are inspected using automatic optical character check DCT function to test the diode polarity and LED Generate first-article inspection reports automatically Average inspection speed: 3 seconds per component
Scanner	Professional HD linear CCD scanner Sharpness up to 600 DPI~2400 DPI Average scanning speed 30 sec/PCS, depending on PCBA size
Light source	Professional industrial grade light source (white light)
LCR bridge	Measurement frequency: 20 Hz~300 KHz Basic accuracy: 0.05% Measunng range Capaditance: 0.1 pF~999.999 MF Resistance: 0.01 mΩ~99.9999 MΩ Inductance: 0.01 nH~9999.99 H The software controls automatically the selection of measurement gears and parameters
Programming mode	Quickly import BOM and XY coordinates and match with Gerber /scanned drawing Automatically extract component specification information from item descriptions Support doubie-sided coordinate import, select one side for inspectionAutomatically identity and mark empty locations Optical character inspection apply box interception
Error Detection	Data type: BOM qty error, duplicate location,XY coordinate missing information, multi-definition Circuit board: Extra mounting, missing, wrong part, reverse mounting, flip, ofiset, rotation, etc
Process control	The test data is stored throughout the process, and reports in PDF or other formats available, The test scenario can be restored at later stage for traceability
Server	With a central database server, multiple FAL data can be managed centrally
Display of result	23 inch LCD monitor, OK/NG sound/light notification
PCB size range	Maximum 420×300 mm, customized machine 600×420 mm
PCB top/bottom net height	PCB-top: 28 mm PCB-bottom: 50 mm
Power supply	AC 220 V 50/60 Hz less than 1.5 KVA
Dimensions/Tester weight	1030×850×1150 mm (W×D×H) / Approx 200 kg

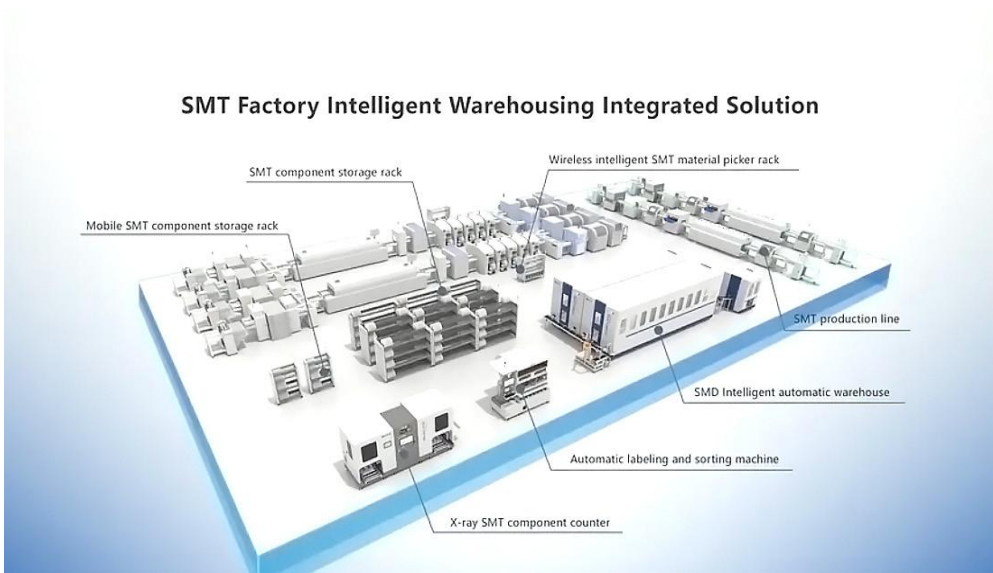
INTELLIGENT STORAGE



SR SERIES

FEATURES:

- It uses sensors to automatically track reels without needing to scan slot codes during unloading.
- It reduces human error with foolproof design and alarms for incorrect operations.
- It supports both fixed and mobile types, storing up to 1400 reels with different sizes.
- It works with Warehouse Management Systems (WMS) and saves data even during power failure.



EQUIPMENT PARAMETER

Type	Fixed. mobile
Material	Stainless steel with anti-static painte
Warehouse Management System(WMS)	Standard
Accessory	PDA

FIXED TYPE

Model NO.	SR007	SR713	SR013	
Communication	Wired and wireless are available. wired is recommendede			
Dimensions	2240×400×1900 mm			
Reel	7".T ≤ 16 mm	7".T ≤ 16 mm	13".T ≤ 37 mm	13".T ≤ 37 mm
Quantity	1400 reels	1000 reels	100 reels	250 reels
Layer	7	5	2	5
Side	Double	Double	Single	Single

MOBILE TYPE

Model NO.	SR001		SR002	
Communication	Wireless			
Dimensions	1500×400×1770 mm		1500×400×1500 mm	
Reel	7".T ≤ 16 mm	13".T ≤ 37 mm	7".T ≤ 16 mm	13".T ≤ 37 mm
Quantity	600 reels	30 reels	480 reels	30 reels
Layer	5	1	4	1
Side	Double	Single	Double	Single

CLEANING MACHINE



PCBA CLEANING MK-PC800G

FEATURES:

- Powerful Cleaning: Uses HFE, NPB, or HCFC solvents.
- Automated Process: Mechanical arm handles full cleaning cycle.
- Versatile Use: Ideal for precision parts & SMT-PCBAs.
- Broad Compatibility: Supports various solvent combinations.

Model No.	MK-PC800G
Cleaning area dimensions	560×610×160 mm(L×W×H) 1 layer
Machine Dimensions	1200×1300×1680 mm(L×W×H)
Spray tank capacity	60 L
Cleaning time	0-99 mins (adjustable)
Air-drying time	0-99 mins(adjustable)

CLEANING MACHINE



STENCIL CLEANING MK-SC1000X

FEATURES:

- Fully Automated: Cleans, rinses, and dries with dual spray arms.
- Safety Features: Sensors prevent overflow and operation hazards.
- High-Quality Parts: Uses premium pumps, valves, and PLCs.
- Efficient Cleaning: Tossing action ensures thorough results.



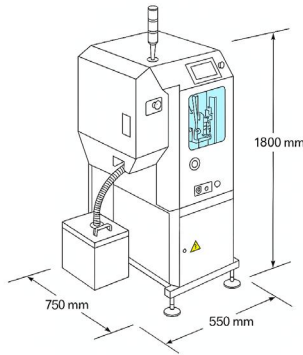
Model No.	MK-SC1000X
Cleaning area size	750×750×40 mm(L×W×H)
Physical dimension / Weight	1100×1650×1980 mm(L×W×H) / 590 kg
Nozzles in cleaning area	40 nozzles, 304 stainless steel, fan-shaped 65°
Nozzles in rinsing zone	40 nozzles, 304 stainless steel, fan-shaped 65°
Drying area	4 air knives, 304 stainless steel
Cleaning size range setting	50-750 mm
Cleaning time	0-100 minutes (adjustable)
Rinsing time	0~100 minutes (adjustable)
Drying time	0~100 minutes (adjustable)
Power/Air source	Three-phase five-wire system, 380 V/18 kW (rated power) / 0.45 MPa-0.7 MPa

CLEANING MACHINE

PCB SURFACE CLEANING MK-PC450

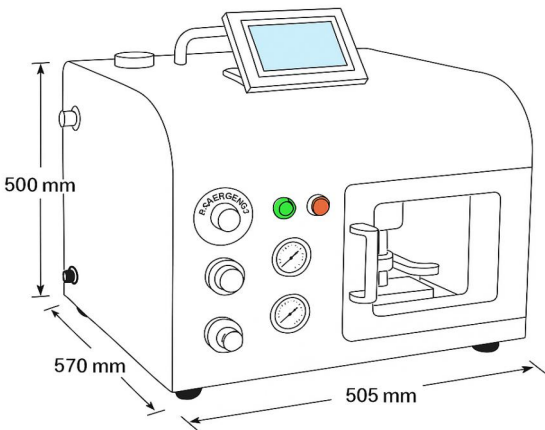
FEATURES:

- ▶ High Quality: Removes dust & static, reducing defects.
- ▶ Better Efficiency: Improves printing & SPI/AOI pass rates.
- ▶ Cost-Saving: Cuts labor, repairs & downtime.
- ▶ Less Downtime: Reduces technician fatigue & alarms.



Model No.	MK-PC450
PCB board size (mm)	100×50 ~ 450×250
PCB board thickness (mm)	0.6 ~ 4 (other thicknesses are optional)
Transmission height (mm)	900 ± 20 (std)
Working mode	single-sided cleaning (double-sided cleaning optional)
Cycle time	level 3.0 sec
Roller speed	0.5-12 m/min or user specified
Power supply	220 V
Machine dimensions (mm)/Weight	550×750×1800 mm / 120 kg
Number of permanent anti-static brushes	1 pcs
Quantity of electrostatic sticky wheels imported from Japan	2 pcs
Number of sticky paper rolls	1 pcs
Quantity of static eliminator	2 pcs
Air pressure and air flow	4-6 bar & up to 5 L/min
Transmission direction	left → right or right → left (optional)

CLEANING MACHINE



NOZZLE CLEANING MK-NC24

FEATURES:

- ▶ Deep Cleaning: Removes solder & debris from nozzles.
- ▶ Fully Automated: Touch panel & PLC control.
- ▶ Durable Build: USU-304 stainless steel.
- ▶ High-Quality Parts: SMC, Siemens & TAKIGEN components.



Model No.	MK-NC24	
Equipment size	L × W×H (mm)	505 ×570 ×500
Equipment weight	quality	70 kg
Cleaning liquor	Cleaning liquor type	Industrial purify water
	consumption	≤ 400 CC/H
Liquid used	Air source	Compressed air
	Pressure range	0.5 -0.6 MPa(while cleaning)
	Jet pressure	≤ 0.4 MPa
	Air consumption	280 NL/min.or less
Power	Voltage	AC 200-240 V
	Rated power consumption	Max. 200 W
Suction nozzle tray	Specification	Default 24 positions
Object to be cleaned	Mounting nozzle	01005-2125

■ PCBA COATING LINE

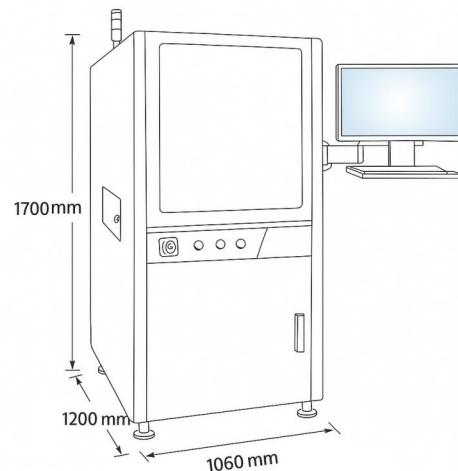


PCBA COATING MK-PC830

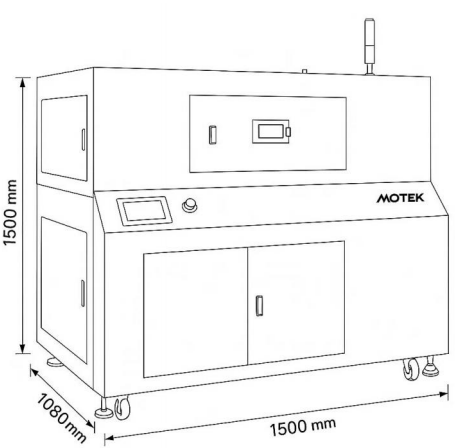
FEATURES:

- ▶ Three-Axis Precision: X, Y, Z motion enables selective spraying, avoiding areas like connectors.
- ▶ Versatile Spraying: Supports spot, linear, and curve spraying for complex boards.
- ▶ High Accuracy: System precision of ± 0.02 mm.
- ▶ Dual-Valve Capability: Standard setup includes two valves for enhanced efficiency.

Model No.	MK-PC830
PCB transfer height	920 $\pm$ 20 mm
Transportation speed	0-5000 mm/min
Transfer direction	L->R(R->L)
PCB width range	50-450 mm
X.Y Axis maximum running speed	800 mm/s
Y Axis positioning accuracy	± 0.02 mm
Z Axis maximum running speed	300 mm/s
Z Axis positioning accuracy	± 0.02 mm
PCB board size	MAX: 450 $\times$ 450 mm
PCB board component height	MAX: ± 100 mm
Power supply	AC 220 V 50 Hz
Gas source	4-6 kgf/cm ²
Machine size	1060 $\times$ 1200 $\times$ 1700 mm(L $\times$ W $\times$ H)
Weight	650 kg
Adjustment method	Intelligent automatic adjustment



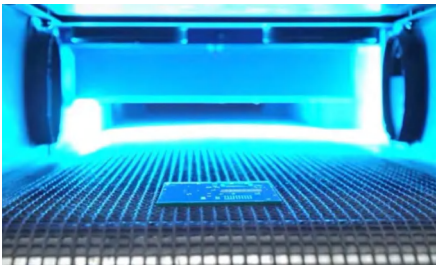
■ PCBA COATING LINE



UV CURING OVEN MOV-450

FEATURES:

- ▶ Intelligent Control: PCL with touch screen, independent temperature alarms, and dual over-temperature protection.
- ▶ Adjustable Conveyor: Stainless steel chain, 50-450 mm width, automatic adjustment, stepless speed control via touch screen, driven by stepper motor.
- ▶ Board Detection: Monitors entry/exit and internal board status.
- ▶ Lamp Adjustment: Manual lamp lifting with auto-cover opening; dual electronic dimming light sources with infinitely adjustable UV intensity.



Model No.	MOV-450		
Dimensions(L $\times$ W $\times$ H)	1500 $\times$ 1080 $\times$ 1500 mm	Temperature adjustment rang	UVA、UVBIUVC Full band
Weight	Approx 490 kg	Heating time	< < 5 minutes
PCB transfer height	92020 mm	PCB board size (L $\times$ W)	MAX: 450 $\times$ 450 mm
Transportation speed	0-3500 mm/min	PCB board component board heial	MAX: ± 100 mm
Ransfer direction	L-R(R-L)	Opening method	Pneumatic lifting
Transmission motor	Tepper motor + gearbox	Control method	Touch screen control
Deliveny method	Chain conveyor (35B5 mm long pin stainless steel chain)	Total power	7 kW 14 A
Power supply	AC 380 V 50 Hz Threephase five-wire system	Number of temperature zones	1

PCBA COATING LINE

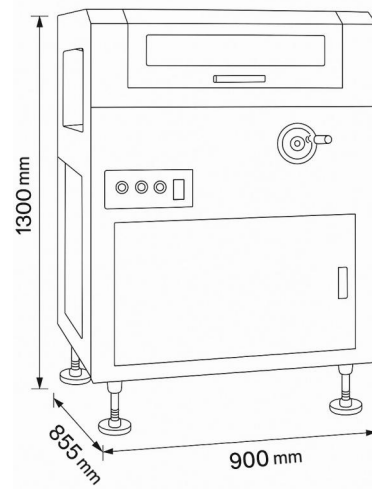


MK-PC202

FEATURES:

- User-Friendly Controls: Simple button interface.
- Sturdy Construction: Welded sheet metal frame with electrostatic powder coating.
- Adjustable Transport: Manual width adjustment (50-450 mm) with chain transmission; speed: 0-6 m/min.
- Fluorescent Detection: Built-in lighting detects liquids with fluorescent agents like UV glue.

Model No.	MK-PC202
Dimensions (L×W×H)	900×855×1300 mm
Weight	Approx 110 kg
PCB transfer height	920 + 20 mm
Transportation speed	0-3500 mm/min adjustable
Transfer direction	L-R(R-L)
Transmission motor power	AC 220 V 60 W 25 K
Deivery melhod	Chain Conveyor
PCB width	50 450 mm
PCB board size	MAX:W450 mm 1450 mm
Light	LED light source
Detection	UV detection light source
Power supply	AC 220 V 50 Hz
Total power	0.2 kW



SPLICING MACHINE

MK-SM08& MK-SM24

FEATURES:

- Automated Splicing: Replaces manual splicing for 8-24 mm tapes.
- Quality Assurance: Features barcode comparison, empty pocket detection, and font/character printing verification.
- Enhanced Efficiency: Ensures consistent splicing quality, boosting production efficiency.
- Versatile Application: Suitable for SMT production lines, line edges, and warehouses.



Model No.	MK-SM08	MK-SM24
Equipment Size	380×470×1450 mm	408×478×1458 mm
Weight	95 kg	95 kg
Working height	908+15 mm	908 + 15 mm
Reel	8 mm Paper Reel and	8-24 mm Paper Reel and
CCD Vision	Plastic Reel, pitch,empty detected,Font & characters printing comparison	
Component specition	81805/8201/8482/0603/0885/1206/1210	81805/8281/8402/8603/8885/1286/1210
LCR BridgeTest frequency	50 Hz-200 KHz	50 Hz-200 KHz
LCR BridgeTest accuracy	8.05%	8.85%
Splicing cycle	8-1 sec(splicing time)	8-22 sec(splicing time)
Pass Ratio	apprt.98%	apprt.98%
System interface	support	support
PC	Industrial Tablet Computer18.1 inch LCD	Industrial Tablet Computer 10.1 inch LCD
Operation System	Win10	
Battery	48 V lithium battery	
Working voltage	48 V,or 110~220 V	
Cutting method	Automatic cutting	
Other optional	110~220 V、Printeradd Reel arm etc	

■ WELL-KNOWN CUSTOMERS



Our machines are widely utilized across diverse industries

