

Technical Solutions for Electronics, Lighting & Automobile Industry



Meter Mix Dispenser



AOI System



X-Ray Inspection



Screw Machine



Dry Cabinet



LED Pick & Place Machine



Silicon Adhesive



Solder Materials

SMT - In Line Solutions

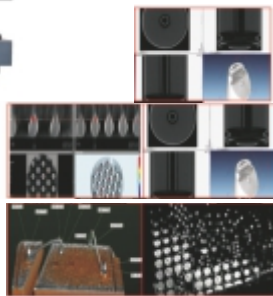


X-Ray Automatic Vision Inspection System



XSCAN-A100

CT and 3D
Rendering Image



Feature

- High Resolution FPD (Flat Panel Detector), Detector Tilt (50°)
- Large PCB size Available
- Navigation User interface (CNC Programming)
- Real 3D CT (option), Tube Focus Size : 5
- World class High resolution X-ray image
- Various Optional Functions (Rotation, CT, 3D)
- Easy to Use & User Friendly Operation
- Rechargeable Batteries (incl. EV & ESS)

Portable Nitrogen Generator (in Line)



TSM Co., Ltd.

Model	Capacity Nm ³ /Hr (99.99%)	Discharge Pressure (Mpa)	Weight (kg)	Dimension D x W x H(mm)
ESP-N12RT-99	12	0.5	730	1,560 x 520 x 1,260
ESP-N15RT-99	15		810	1,560 x 520 x 1,360
ESP-N18RT-99	18		880	1,560 x 520 x 1,460
ESP-N20RT-99	20		960	1,560 x 520 x 1,610
ESP-N25RT-99	25		1,160	1,560 x 520 x 1,690



PCB Automatic Optical Inspection System

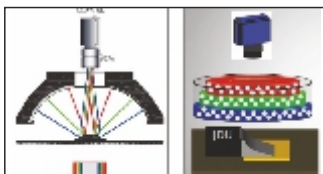


LI-6000

L Size In Line AOI Machine

Max. Board Size :
50 x 70mm - 510 x 460mm
Board Thickness :
0.6mm-6.0mm
Resolution :
5um-15um

- 6-Channel Lighting
- High Speed Multi-Shot Capturing
- Multiple Light Angles
- Multiple Colours
- No Bayer Pattern



All new design 6 channel LED lighting with promoted inspection performance



In Line 3D SPI

Mirage

PCB Size : 50 x 70mm - 510 x 460mm
Board Thickness : 0.6mm - 6.0mm
Product Size : 1000(W) x 1300(D) x 1850(H)mm

SMT Off Line Solutions



ESD PCB MAGAZINE RACKS



SMT REEL RACKS



PCB MAGAZINE CART / TROLLEY



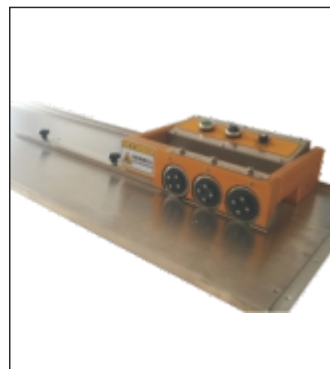
ESD CRATES / BINS



SMT GLUE



Dry Cabinet



PCB Cutting Machine



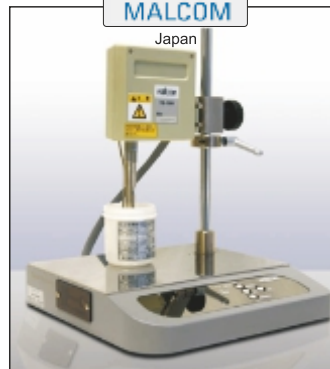
Automatic Wire Cutting and Stripping Machine



Linking Conveyor



Laser Marking Machine



Solder Paste Viscometer



Solder Paste Mixer



Inline SMT PCB Cleaning Machine



SMT Nozzle Cleaning Machine



SMT Stencil Cleaning Machine

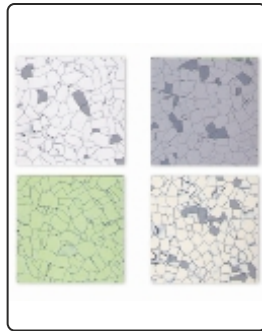


SMD Chip Counter

Mobile Phone Manufacturing Solutions



MODULAR CLEAN ROOM BOOTH



ESD FLOORING TILES



ESD AIR IONIZING GUN



ESD AIR IONISING BLOWER



SOLDERING STATION



PEELABLE SOLDER MASK



**ELECTRIC SCREW DRIVER
& FEEDER**



ESD APRON / CAP



SCREW FEEDER KS-1050



Automatic Screw Fastening Machine



Applications

Screw locks for various small and medium-sized products, such as mobile phones, keyboards, tablets, etc.

Features

Double electric batch, double track back to back structure. Supports two different screws, two different torque locks

- When the same type of screw has the same torque, it is equivalent to 2 single electric batch single track screw machines, suitable for large capacity occasions
- Support the pre-process to be taken out after the process, to achieve low cost and no special operation
- Single electric batch speed averages 1.2-1.5 seconds per screw
- Supports automatic detection and alarm of leak lock, sliding teeth and floating height

Conveyor Line



Features

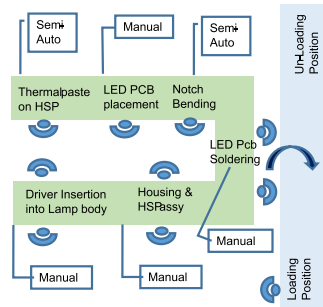
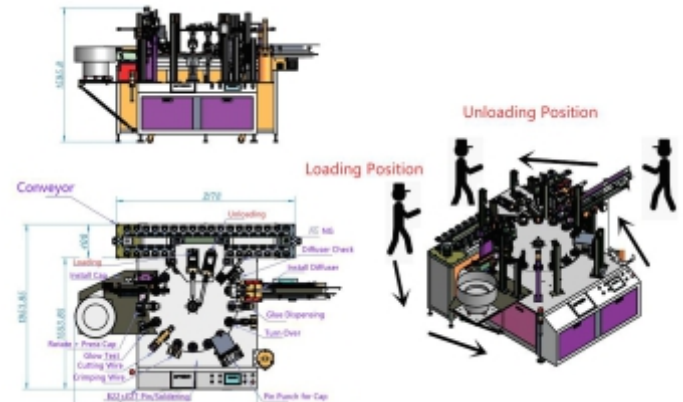
- Made of 40/40 Aluminum profile
- 300mm Flat Belt (dual) speed control with change over direction
- Both side 300mm extension sitting or standing work table
- Working height 800 - 900mm as per customers requirement
- first and second level storage racks
- All electrical or pneumatic requirements as per customers needs

LED Lighting Manufacturing Solutions

LED Bulb Assembly Machine



Schematic of B22_Pin / Soldering type assembly line



Operation on Rotary Machine

1. HSP pressing
2. B22cap insert
3. Rotate + Pressing cap
4. Glow test
5. Cutting extra wires from B22
6. Bending wires on B22 cap
7. B22/ E27 Pin/ Soldering
8. 12 pin punch on cap
9. Turn over
10. Glue dispensing on housing
11. Fixing diffuser
12. Diffuser check
13. Unloading bulb into box/ carat

LANGKE NX 12 LED Pick and Place machine



NX reveal a new age, the pattern of motion is adopted swing arm+XY platform, breakthrough the limit velocity of the traditional LONGMEN movement structure, cater to the trend of prospective mechanical arm.

Project	Parameter
Swing Arm Mounting Head	36 Pcs suction nozzle (18Pcs/Arm)
Mounting Component Range	0805, 2016, 2125, 3014, 2835, 5050
Component Height	15mm
PCB Location	CCD Visual/Mark Location
PCB Transmission Speed	500mm/S
Transmission Direction	Forth Back
Mounting Accuracy	±0.3mm
Mounting Swing Arm Drive	DDR
Working Mounting Speed	100K-180K CPH
Slide Way Size	1300mm(L) - 340mm(W)
PCB Size	1200mm(L) - 60mm(W)
PCB Thickness	0.5mm - 5.0mm
FEEDER Amount	2=36 Feeders
Working Electricity	220VAC 50Hz
Power	2.5KW
Pressure	5.5 Kg
Machine size	2500mm(L) x 1270mm(W) x 1350mm(H)
Weight	1500 Kg

Solder Material & Other Adhesive

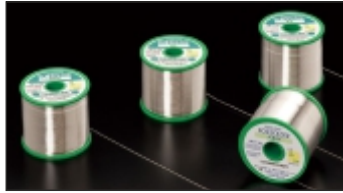


Soldering Materials



Eco Solder Paste

Solder paste for reflow soldering of printed circuit board, hybrid IC, screen printing and dispenser use



Eco Solder Wire

Resin Flux Cored Solder is soldered by Robotics and laser recently



Solder Bar

Lead-Free ECO SOLDER developed by SMIC offers high soldering reliability compared with the Sn-Pb series solder of the past and is available in a wide product lineup according to the required soldering temperature.



Soldering Flux

Flux chemically removes oxide film from the to-be soldered metal surface, and the molten solder surface, thereby exposing solderable metal surfaces.



Conformal Coating



Abchimie's Conformal Coating are specially developed to ensure high protection to PCBAs from their environment. They don't only improve and extend the working life but also can provide reliability and performance. They protect PCBA against harsh environment such as salt spray, humidity, temperature, solvent, dust etc, in general, a thin layer (25 to 50 microns). These environmental conditions can cause damage as corrosion, current leakage and failure.

The complete range proposes different base of raw materials:

- Acrylic
- Silicone
- Urethane
- Aqueous urethane
- UV curing material (Acrylate urethane)
- None VOC silicone product
- 100% content

Silicon Materials



Peelable Solder Mask

Double Compound Silicone



Light cap coating and potting



Strip lights coating and potting



LED drivers for waterproof potting



Soldering potting in Vial Marker



LED Lighting components:

- waterproof
- moistureproof
- potting

Thermal Grease



Thermal grease has good properties of heat conduction and dissipation, high and low temperature resistance and insulation. It meets all the criteria of RoHS certificate.



Automotive Industry Solutions

Wason Two Component Meter Mix Dispensing Machines



G-260/G-280 Two Component Meter Mix Dispenser Machine with XYZ Robotic Machine (Floor Type)

Filling amount : 2~100cc
Spitting accuracy : + 1%
Tank capacity : 20L / 40L
Applicable adhesive: Epoxy resin (EPOXY), Silicone, Acrylic, PU

Suitable for capacitor coating, LED module dispensing, small transformer sealing, LED and solar power supply sealing, and various adhesive dispensing applications.



G-180 Two Part Component Mixing Machine

Perfusion : 0.2~3cc
Spitting accuracy : + 1%
Tank capacity : 5L
Applicable rubber : Epoxy (EPOXY), Silicone, Acrylic, PU

Suitable for capacitor coating, LED lenses dispensing, small transformer sealing and various dispensing applications.



G-360 / 380 Double Liquid Filling Machine (Floor Type)

Perfusion : 2~200cc
Spitting accuracy : + 1%
Tank capacity : 30L / 60L
Applicable rubber : Epoxy (EPOXY), Silicone, Acrylic, PU

Suitable for capacitor coating, LED module dispensing, small transformer sealing, LED and solar power supply sealing, and various adhesive dispensing applications.



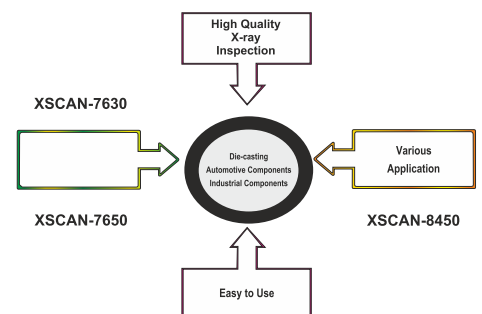
X-Ray Inspection for Die-Casting



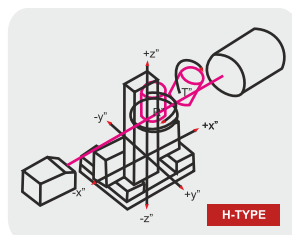
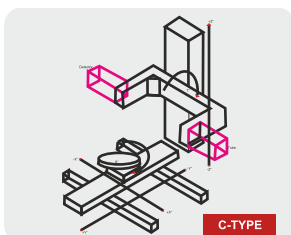
XSCAN - 7650



XSCAN - 8225



Applications :
 Automotive Components
 Engine, Piston, Wheels Handles, Tyre etc



TYPE XSCAN-7600, 8000 series includes optimized high performance and super precision Die- casting exclusive inspection system to optimize the applicable product size. Furthermore, it has secured the best safety in the business.

- Medium and large size & high density die-casting, casting products
- Automotive components, aircraft related parts, pipe & tube welding parts inspection etc

Refurbished Machines



Refurbished Machine (FUJI)



Refurbished Machine (Yamaha YV 100II)



Screen Printer



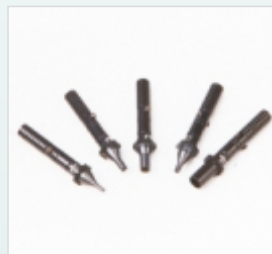
SMT Spare Parts



JUKI Nozzle Series



YAMAHA Nozzle Series



FUJI XP Nozzle Series



SMT Feeder 8mm



SMT Feeder 12mm



Kapton Tape



Splice Tape



Stencil Cleaning Roll

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