



Engineered Precision,
Automated Solutions

SPM JIGS & FIXTURES MANUFACTURING INDUSTRY

BOX Build Line, E-Vehicle Assembly Line, Automation Fixture, Testing Fixture, EOL Testing, Air Leakage Testing Fixture, Hi-Pot Testing Fixtures, Industrial COBOT, ICT, FVT, Glue Dispensing Machine, Automatic Screw Fastening Machine, Interlinking Fixture, Grippers, Screw Bowl Feeder, Conveyor, Pallets, Templates



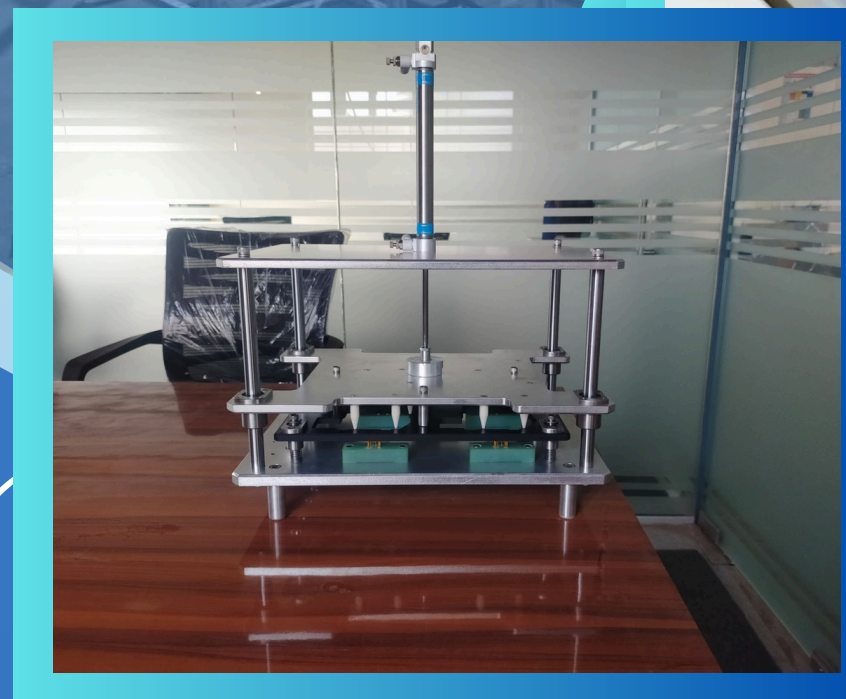
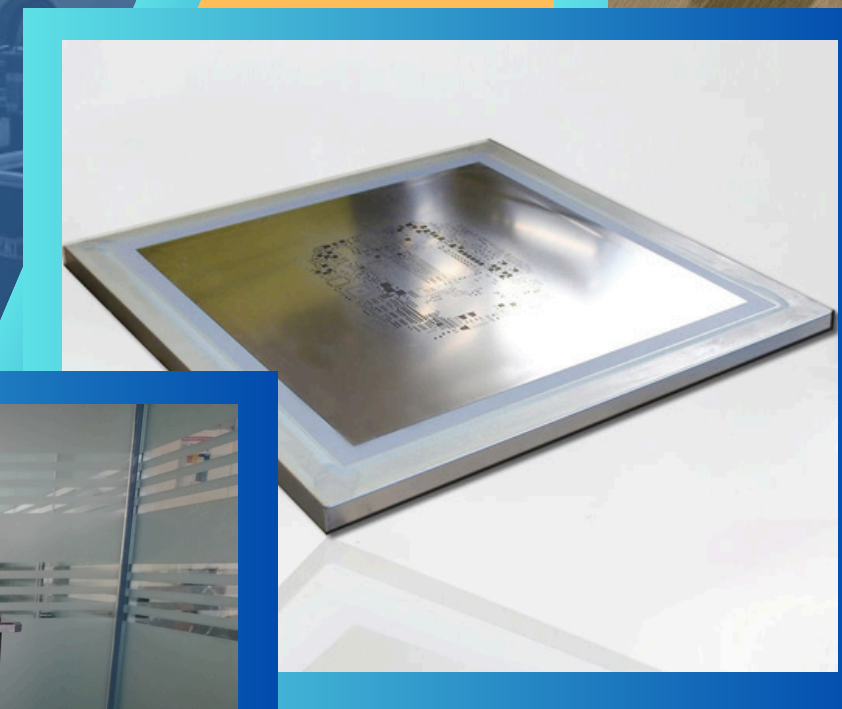
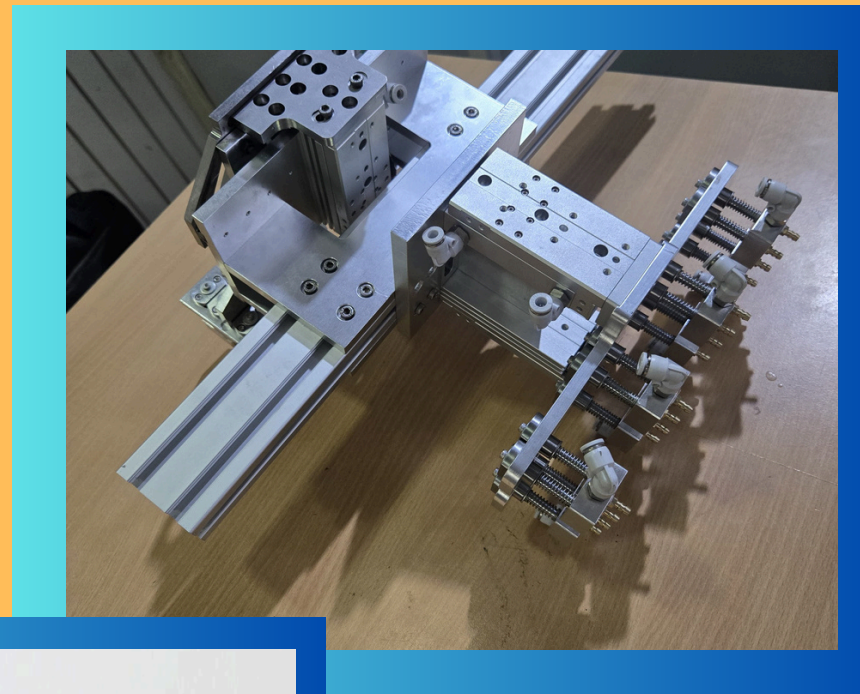
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Empowering Industries with Precision-Engineered Jigs , Fixtures & SPM

At Reavha, we are committed to transforming the jigs and fixtures manufacturing industry with innovative, future-ready solutions for both electronics and mechanical production. We specialize in designing and delivering high-precision jigs, fixtures, special-purpose machines (SPM), and automation systems that optimize manufacturing efficiency. Backed by a team of experts, every solution we create reflects engineering accuracy and technological excellence, enabling businesses to boost productivity, minimize manual effort, and achieve seamless automation. From custom-built manual and testing fixtures to advanced robotics and intelligent software integration, we provide comprehensive, end-to-end manufacturing support tailored to evolving industry needs.

❖ Our Mission

Mission Reavha Electrotech Pvt. Ltd. is founded with the objective to be an engineering support company run by a team of highly skilled, experienced and competent professionals. We provide easy to use, manageable and scalable solutions with continuous support and development.

❖ Our Vision

We want to be continually known for our competency, reliability and expertise in the successful delivery of comprehensive manufacturing process solutions to our customers.



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SERVIC OFFERED

AUTOMOTIVE

- ❖ Energy :
- ❖ Engineering :
- ❖ Electronics :

ASSEMBLY LINES, EOL TESTING, CONVEYORS

Battery production automation
CAD/CAE, CNC, Robotics, Inspection
PCB, PCBA automation, test fixtures

CORE OFFERINGS

- ❖ AUTOMATION FIXTURES
- ❖ TESTING FIXTURES
- ❖ WAVE SOLDER PALLETS & TRAYS
- ❖ SMT STENCIL
- ❖ LABVIEW AND PLC PROGRAMMING

- ❖ SPECIAL PURPOSE MACHINES (SPM)
- ❖ CONVEYOR & MATERIAL HANDLING SYSTEMS
- ❖ INDUSTRIAL ROBOTS & COBOTS
- ❖ VACUUM FOAM MANUFACTURING
- ❖ ICT AND FCT FIXTURE



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SPECIAL PURPOSE MACHINE



Glue Dispensing Machine

Used for industrial adhesive fluid, glue dispensing, and potting needs. Suitable for medical, electronics, LED, PCBA, and other high-end industries



Automated Box Build Line

We develop fully automated assembly line to avoid human intervention by enabling fast, stable and accurate flow. Conveyors system to transfer parts Station wise traceability of system



Automated Screw Fastening Machine

SFM automates the process of picking, driving and fastening screws during manufacturing. On some models, the screw driving arm is fixed and the component is moved towards the fixture where it can fasten the screws.



Industrial COBOT (Robot)

Cobots are specifically designed to work alongside human employees and relieve them from tedious and difficult assembly jobs. This includes welding small pieces together, drilling screws, and similar assembly tasks.



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SPECIAL PURPOSE MACHINE



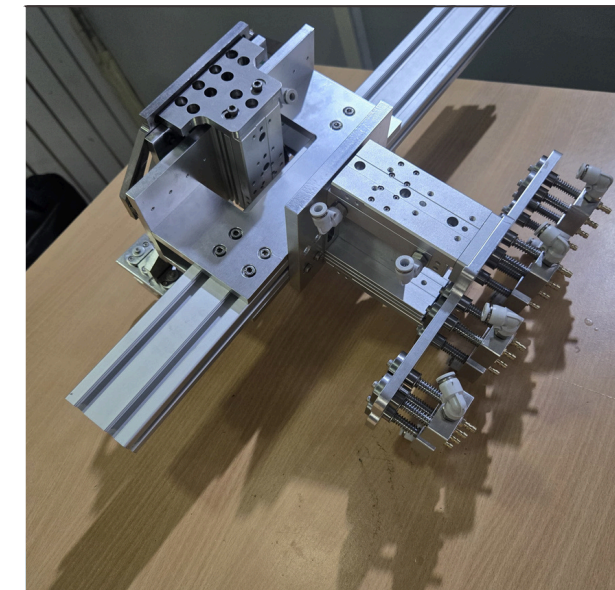
Automated Plasma Processing Machine

Elevate your manufacturing capabilities with Reavha's precision-engineered Automated Plasma Processing Machines, setting the standard for quality and efficiency.



Handheld Screw Feeder

Efficiency at your fingertips – our Handheld Screw Feeder streamlines assembly tasks with precision and speed, enhancing your production workflow.



Automated Grippers

Revolutionize your automation processes with Reavha's Automated Grippers – engineered for precision and seamless integration in diverse industrial applications.



Automated Thermal Glue Pasting Machine

Elevate your adhesive application with precision and speed using our Glue Pasting Machine, designed for flawless performance in manufacturing processes.



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MANUAL AND AUTOMATION FIXTURES



**Automated
Interlinking Fixture**

Achieve flawless assembly precision with Automated Interlinking Fixture, designed to optimize your production processes and ensure consistent quality in every step.



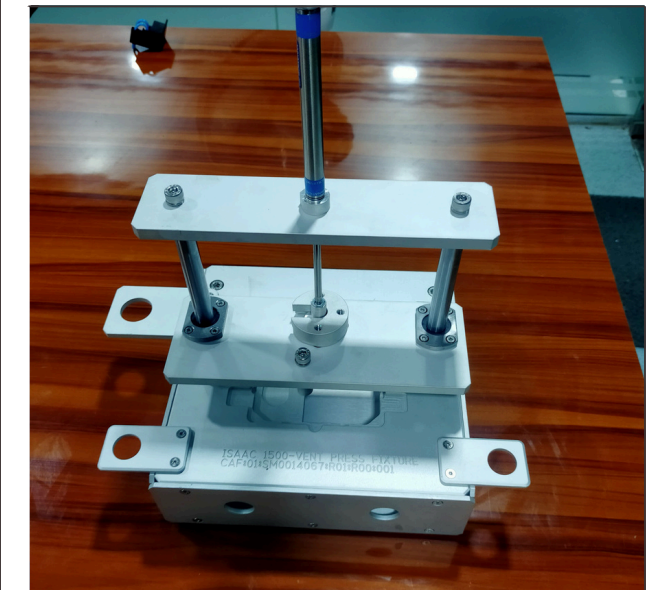
**Automated Force Test
Fixture**

Enhance your display assembly processes with Reavha's specialized Display Assembly Fixtures, meticulously crafted for accuracy and efficiency in the manufacturing of electronic displays.



**Automated Pick to
Light Fixture**

Streamline your order picking processes with Reavha's Automated Pick to Light Fixture, designed for maximum efficiency and accuracy in warehouse and logistics operations



Press fix fixture

Reavha's offers a comprehensive range of Conveyors, providing flexible solutions for material handling needs. Optimize your logistics and manufacturing workflows with our reliable conveyor systems.



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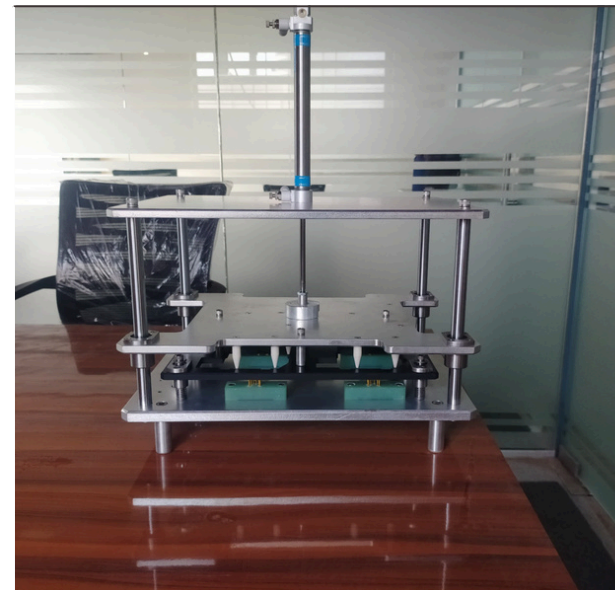
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SPECIAL PURPOSE MACHINE



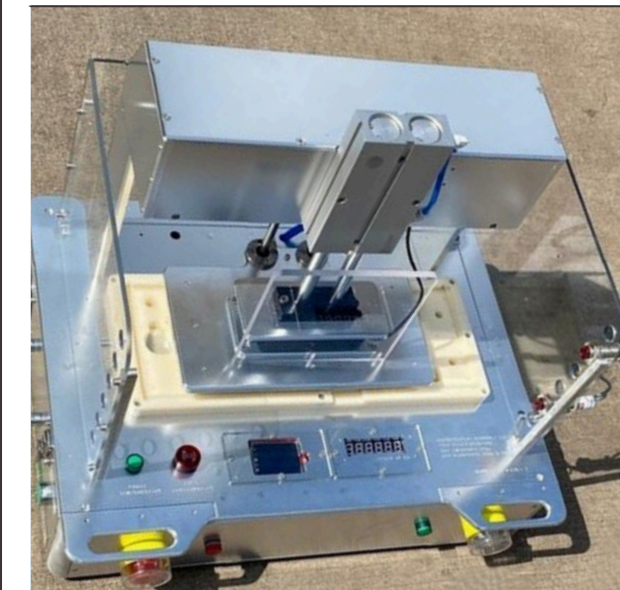
Automated Pick & Place

Pick and place automation speeds up the process of picking up parts or items and placing them in other locations. Automating this process helps to increase production rates



Manual Testing Fixture

Manual testing fixtures serve as essential tools for quality control, allowing operators to perform precise assessments and verifications, ultimately contributing to the production of high-quality products.



Automated Display Fixture

Precision-engineered to withstand the mightiest forces, our testing fixture ensures uncompromised durability and accurate measurements, every time.



Conformal Coating Fixture

Router Fixtures are used to hold & avoid pcb damage while depanelising by using router machine. We are manufacturing for all machines.



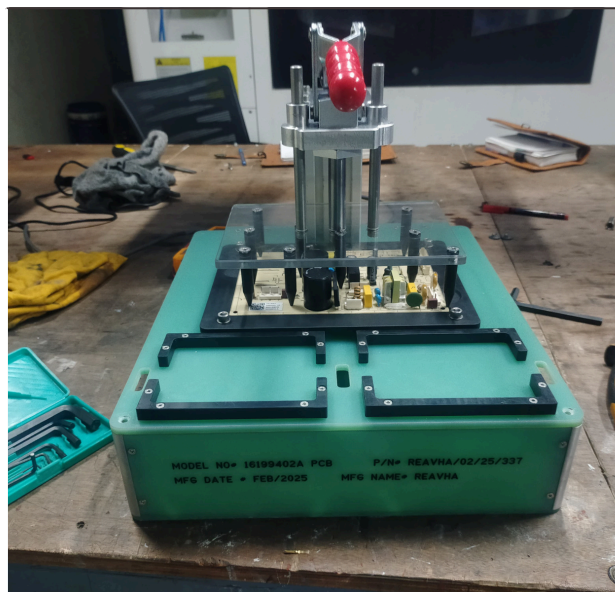
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PCB Testing Fixture

Universal wave solder pallets are designed to support a PCB that would otherwise be unable to be processed through wave soldering.



Screwing Fixture

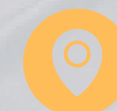
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PALLETS

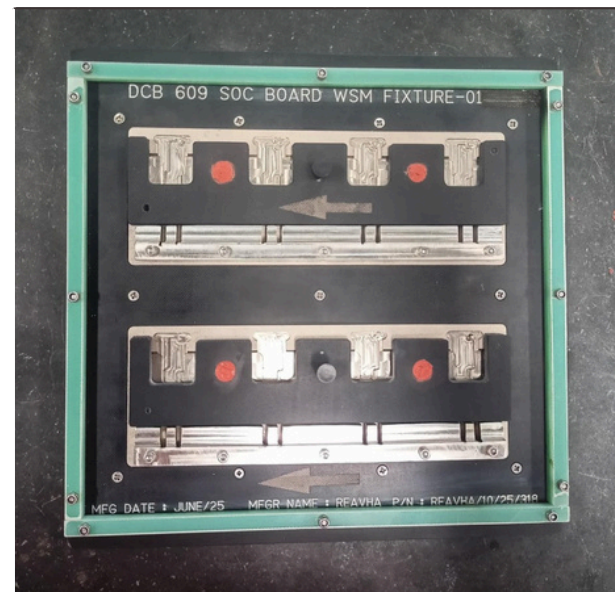


REAVHA is one of the most professional manufacturer of wave solder pallets and reflow solder pallets. Each one of our pallet is custom designed to meet our client's requirements. Just tell us your ideas, WE will offer the best solution for you.



Wave soldring pallet

Universal wave solder pallets are designed to support a PCB that would otherwise be unable to be processed through wave soldering.



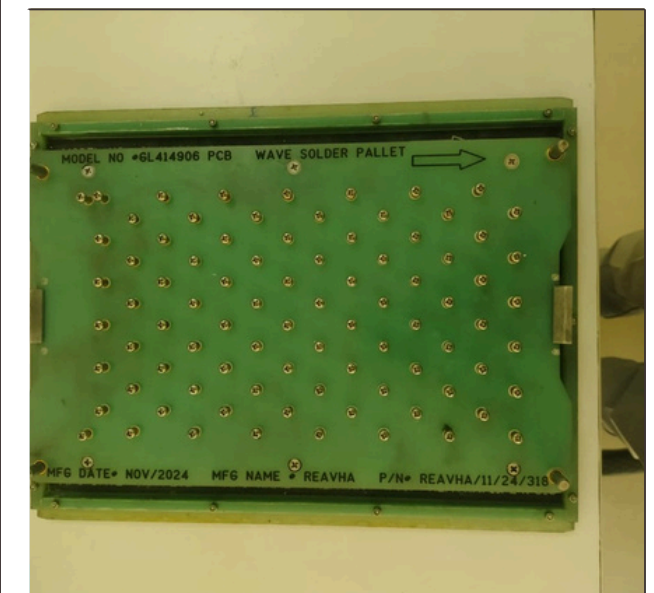
Titinum Pallet

Wave solder pallets (also known as wave solder fixtures) are used during wave soldering on circuit boards that require thermal or solder protection. Wave solder pallets are custom for a particular job.



Reflow pallet

Your ultimate solution for precise SMT stencil fabrication. With cutting-edge technology and unmatched expertise, we guarantee optimal print quality for seamless PCB assembly.



wave solder pallet

These solder paste stencils are designed for high volume screen printing on printed circuit boards.



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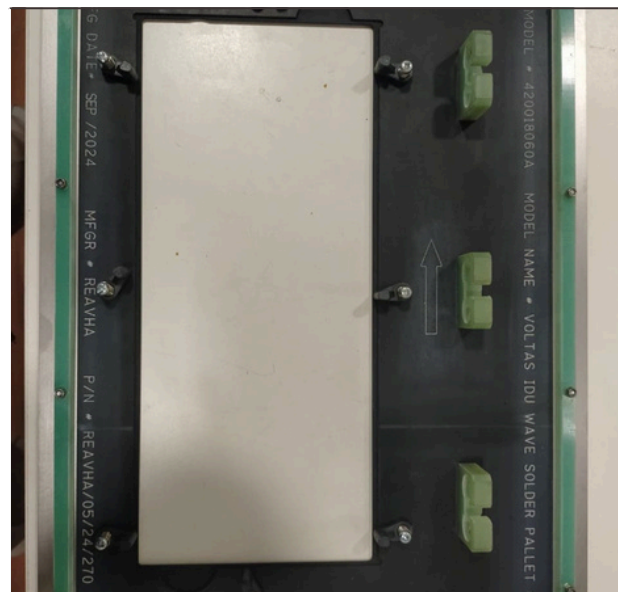


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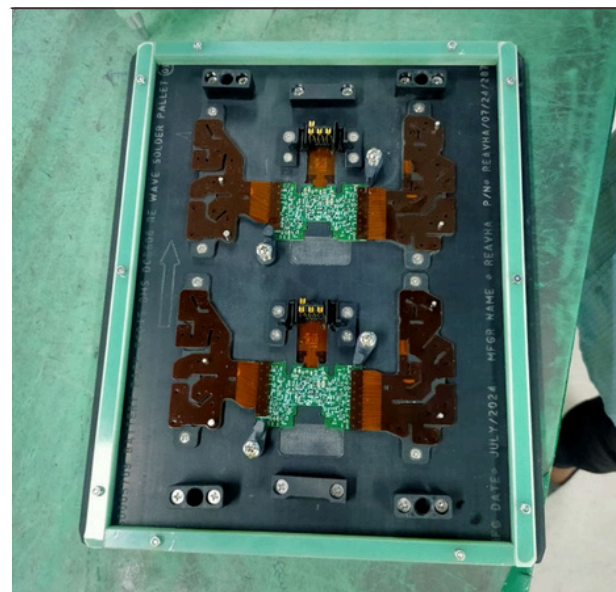
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PALLET



wave solder pallet

Universal wave solder pallets are designed to support a PCB that would otherwise be unable to be processed through wave soldering.



wave solder pallet

Wave solder pallets (also known as wave solder fixtures) are used during wave soldering on circuit boards that require thermal or solder protection. Wave solder pallets are custom for a particular job.



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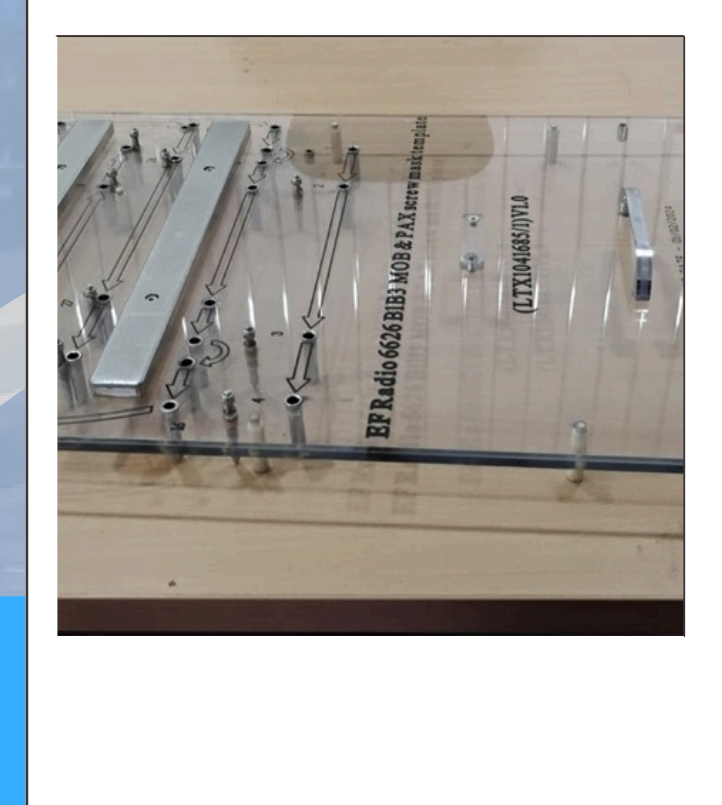
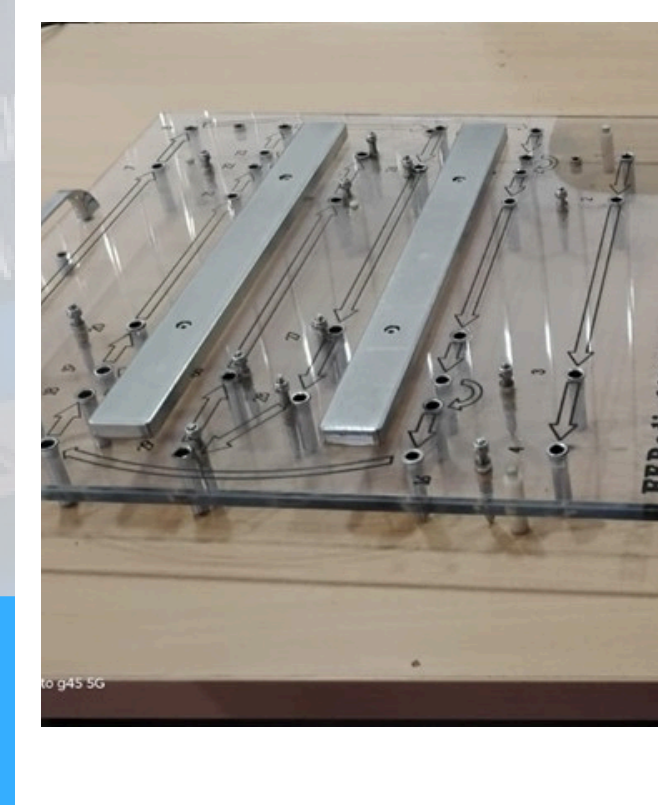
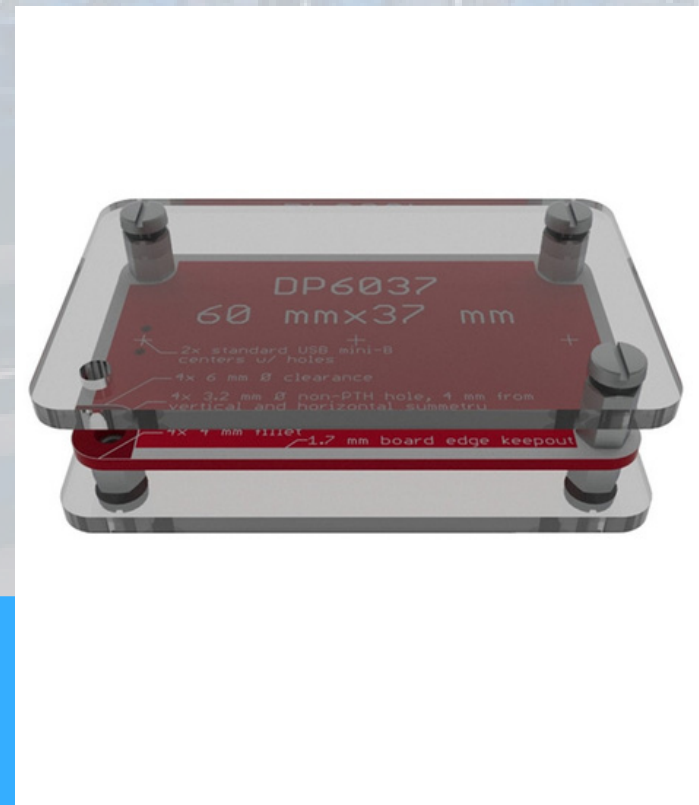


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TEMPLATES



Made from ESD acrylic, PCB visual inspection templates can be placed over a board for component positioning



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SMT STENCILS



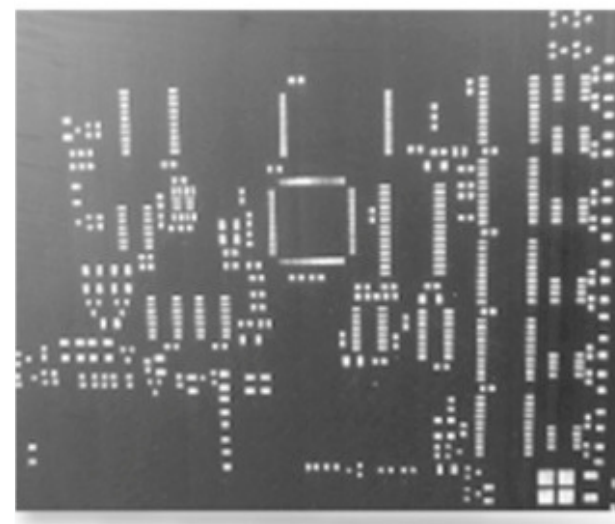
In SMT manufacturing, it's a proven fact that most board defects originate in the printing process. Fortunately, these defects can be significantly reduced through smarter stencil design and advanced technologies, both of which are core to Reavha's approach.



Prototype SMT Stencils

These frameless stencils are specifically designed to manually print solder paste onto printed circuit boards.

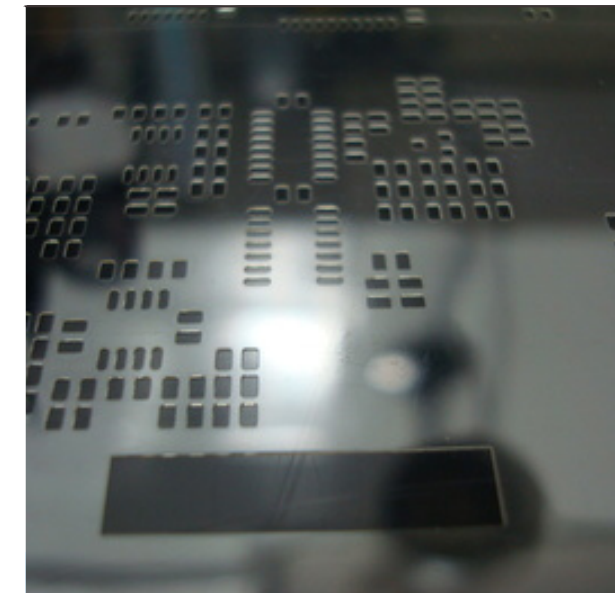
- Printed circuit board stencils eliminates tedious hand soldering of PCBs
- Reduce PCB prototype assembly time
- Available with or without flaps



Stainless Steel SMT Stencil

Our stainless steel stencils were specially designed for the Maker's market so everyone can have access to a high-quality SMT stencil at a low price.

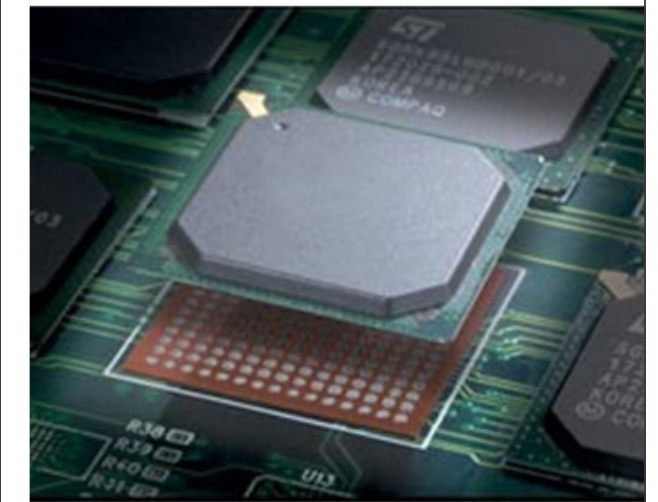
- Eliminates tedious hand soldering of prototype PCB boards
- Reduce PCB prototype assembly time
- Better quality than a Mylar or Kapton stencil



Mylar and Kapton SMT Stencils

These are very low-cost SMT Stencils specifically designed to manually print solder paste onto printed circuit boards.

- Eliminates tedious hand soldering of prototype circuit boards
- Lower cost than stainless steel stencils
- Cut with a UV laser for optimal performance



StencilQuik™ BGA Rework Stencils

StencilQuik™ are flexible solder paste stencils manufactured from a polyimide film with a high-temperature adhesive covered with a release liner. They serve as both your stencil and alignment device.

- StencilQuik comes in a pack of 10 BGA rework stencils
- Allows you to replace your own BGAs or CSPs without special training or large capital equipment expenditures
- Acts as an insulating barrier between solder balls as the solder paste masks adjacent apertures, increasing placement reliability
- Simplifies BGA placement, as you can "feel" the device settle into the apertures of the StencilQuik™



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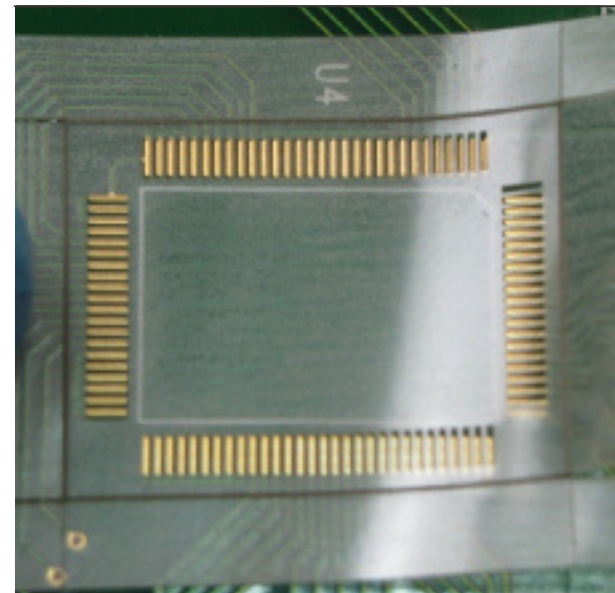
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Quick-Turn Rework Stencils

These frameless stencils are specifically designed to manually print solder paste onto printed circuit boards.

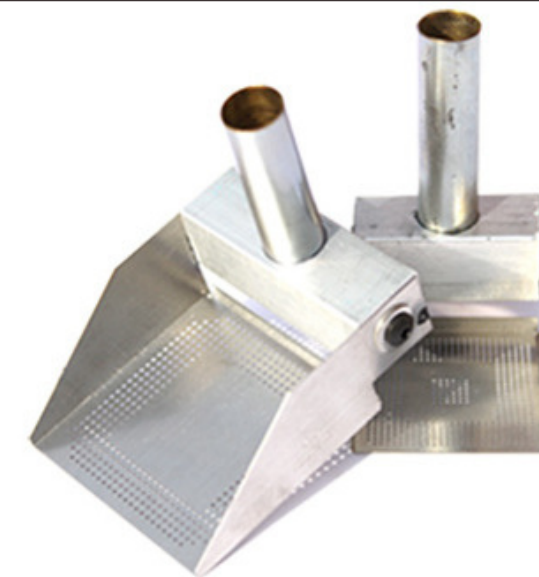
- Printed circuit board stencils eliminates tedious hand soldering of PCBs
- Reduce PCB prototype assembly time
- Available with or without flaps



StikNPeel™ Rework Stencils

StikNPeel™ greatly simplifies the ability to selectively print solder paste onto various areas of a PCB. Simply peel off the backing, place the StikNPeel™ onto the PCB and apply the paste.

- StikNPeel comes in a pack of 10 stencils
- This rework process overcomes many of the headaches of using metal stencils
- Eliminates "smearing" of solder paste underneath the stencil
- Coplanarity between board and stencil is assured due to the adhesive backing on the stencil



Flip-Up Stencils

Flip-Up Stencils are single-site stencils, used to apply solder paste onto circuit board pads of BGA's, QFN's, QFP's, TSOPs, PLCC's, etc.

- Great for QFNs where the pads on the board are larger than the pads on the component.
- All Flip Up stencils are made from stainless steel and are reusable after a quick wash in an alcohol-based cleaner.
- All Flip Up stencils are custom made to order per your specification.



Frameless SMT Stencils

These laser-cut stencils are designed to work with stencil tensioning systems, also known as Reusable Stencil Frames like the Wizard Frame.

- Reduces storage space requirements
- Significantly less expense than framed stencils
- Smooth aperture walls and can be used for 16 Mil pitch and below and for Micro BGA's



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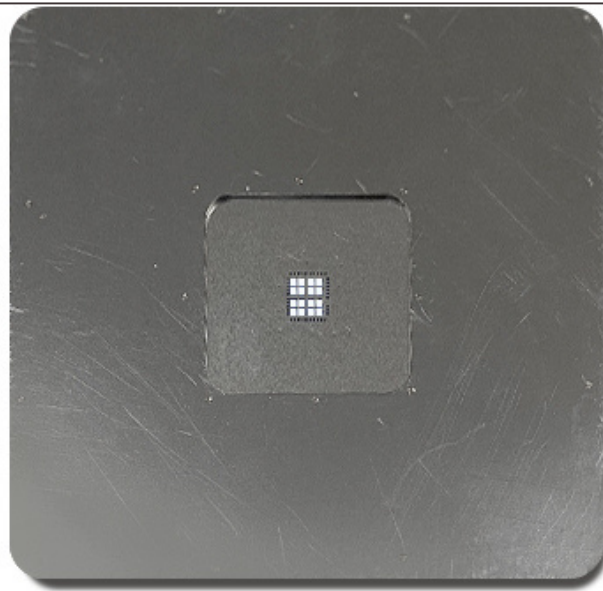


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SMT STENCILS



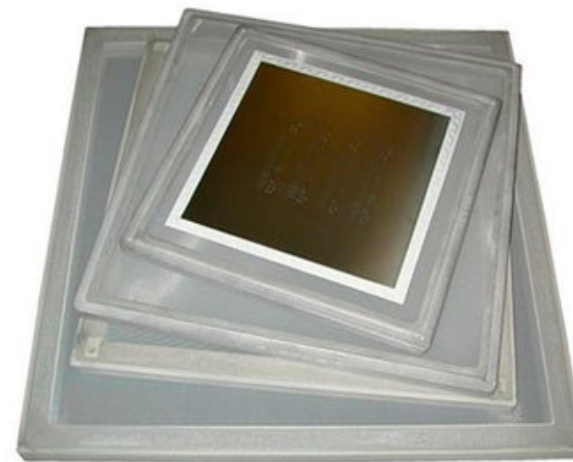
In SMT manufacturing, it's a proven fact that most board defects originate in the printing process. Fortunately, these defects can be significantly reduced through smarter stencil design and advanced technologies, both of which are core to Reavha's approach.



CPF Stencils

CPF Stencils (or Component Print Frame) are used to apply solder paste directly onto BGA and Leadless components.

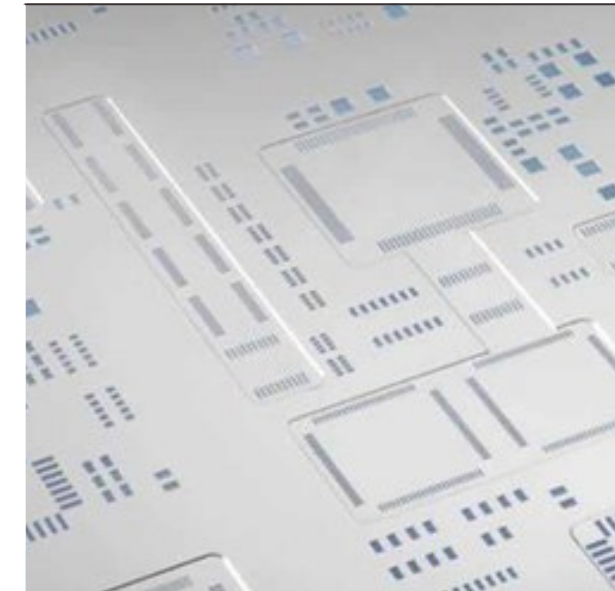
- A CPF stencil makes for simple alignment when pasting and serves as an excellent tool for applying paste when boards are highly populated.
- All CPF stencils are made from stainless steel and are reusable after a quick wash in an alcohol-based cleaner.
- All CPF stencils are custom made to order per your specification.



Framed SMT Stencils

These solder paste stencils are designed for high-volume screen printing on printed circuit boards.

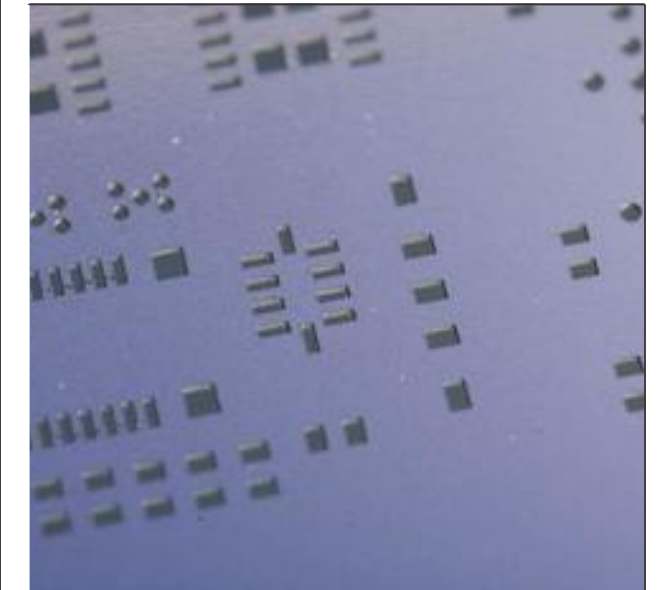
- Foils are permanently mounted into aluminum frames
- Provide optimum solder paste volume control
- Large variety of standard frames for every printer



Framed Multi-level/Step Stencils

Flip-Up Stencils are single-site stencils, used to apply solder paste onto circuit board pads of BGA's, QFN's, QFP's, TSOPs, PLCC's, etc.

- Great for QFNs where the pads on the board are larger than the pads on the component.
- All Flip Up stencils are made from stainless steel and are reusable after a quick wash in an alcohol-based cleaner.
- All Flip Up stencils are custom made to order per your specification.



Framed UltraSlic™ Stencils

An alternative to Electroform Stencil, UltraSlic™. UltraSlic™ FG outperforms all other existing stencil technologies on the market today, and it can be shipped in 48 hours turnaround times.

- Fine Grain stainless steel with superior fatigue strength, super smooth surface and elevated wear factor
- Superior paste release below surface area ratios of 0.5
- Higher performance and lower cost compared to electroform, the option of step stencils



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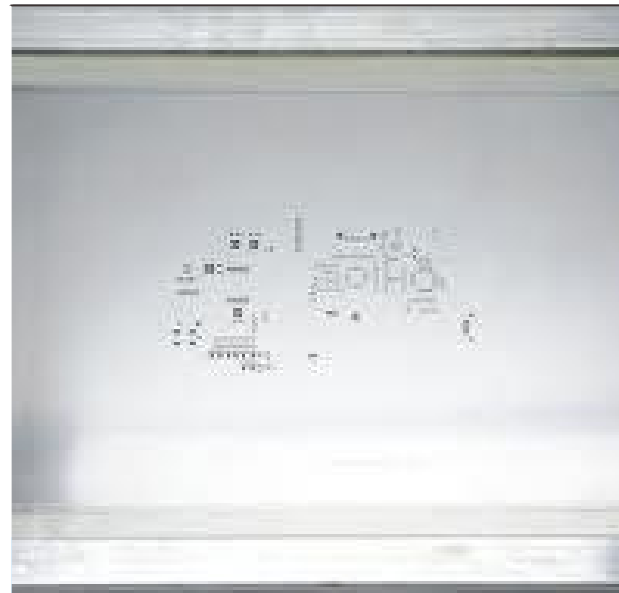


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SMT STENCILS



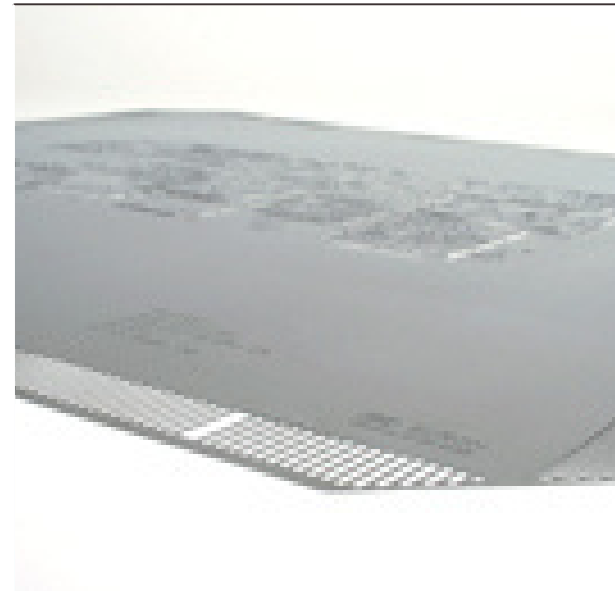
In SMT manufacturing, it's a proven fact that most board defects originate in the printing process. Fortunately, these defects can be significantly reduced through smarter stencil design and advanced technologies, both of which are core to Reavha's approach.



Framed Electroformed Stencils

Electroformed stencils offer the best paste release characteristics available and are frequently used for fine pitch (20 mil to 12 mil pitch) SMT applications on printed circuit boards. They are also used for μ BGA's, Flip Chip, and Wafer Bumping (12 mil to 6 mil pitch).

- The smooth trapezoidal sidewalls of an electroformed stencil allow for better paste release
- Nickel has a lower coefficient of friction compared to stainless steel
- Electroform foils are harder than full hard stainless steel of comparable thickness, providing for longer stencil life



Frameless Electroformed Stencils

These solder paste stencils are designed for high-volume screen printing on printed circuit boards.

- Foils are permanently mounted into aluminum frames
- Provide optimum solder paste volume control
- Large variety of standard frames for every printer



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VACUUM FORMING TRAYS



Vacuum-formed trays are perfect for enhancing your totes or handling containers –improved protection for your parts or components and aiding efficiency and productivity.



ESD-safe (conductive) versions are available. Ideal for high-volume requirements and protecting valuable parts.



However, if you can't see the information you are looking for, please don't hesitate to get in touch with a member of the GWP team. Buy vacuum-formed trays



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WORKSTATION



WE DESIGN ESD WORK STATION ASSEMBLY LINE TABLE AND INDUSTRIAL LOADING UNLOADING TROLLEY WITH ROLLER TRACK AND LOCKING SYSTEM



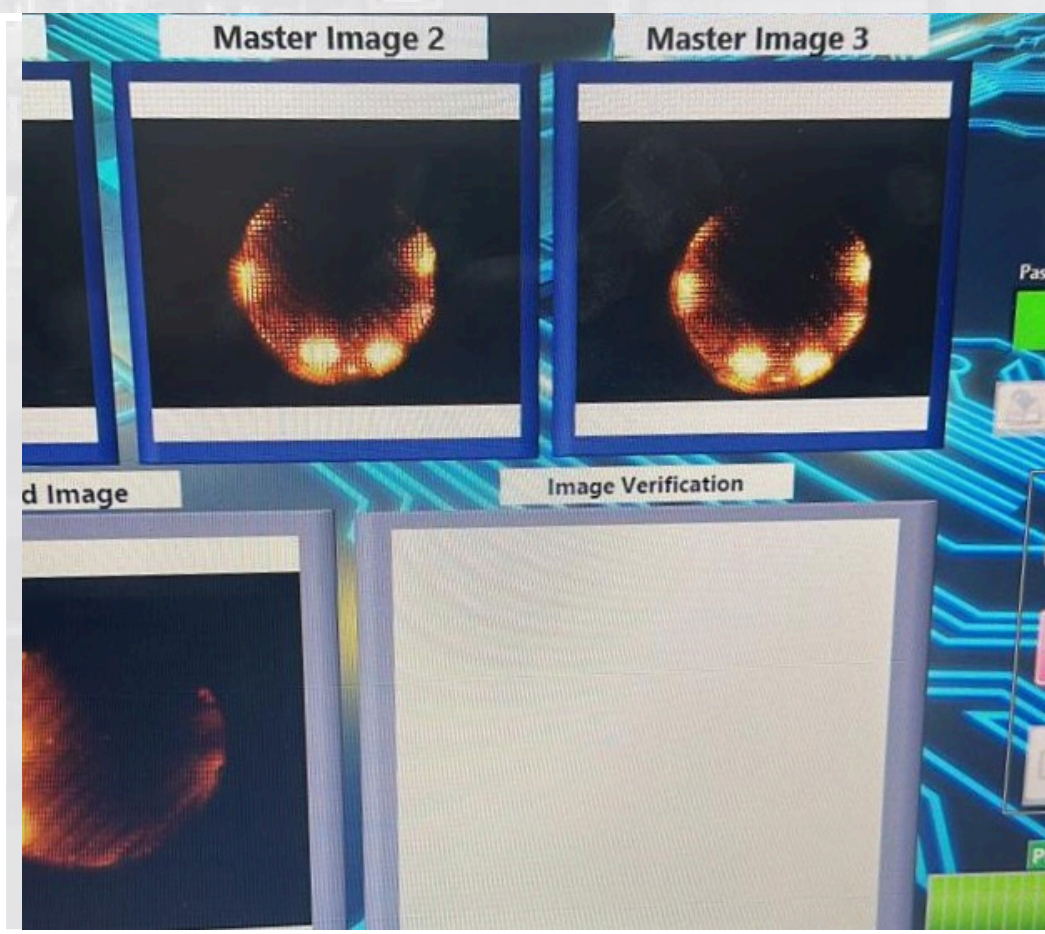
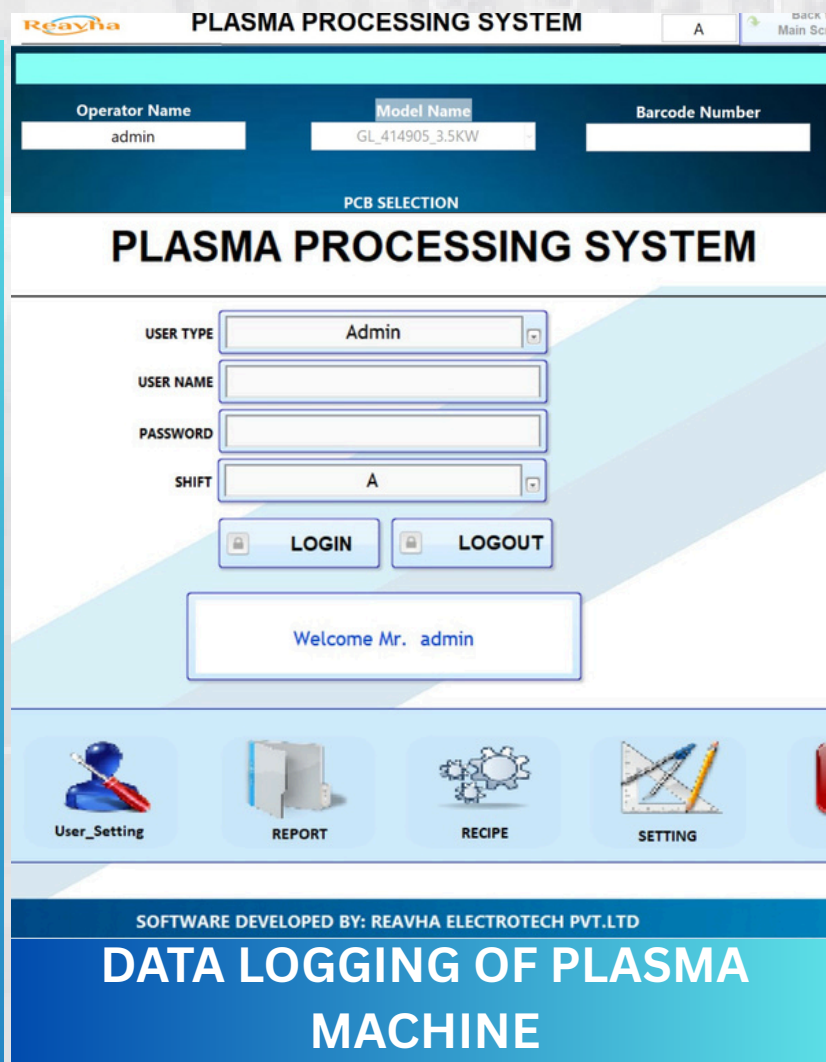
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We offer end-to-end development and deployment of Automated Test Equipment (ATE) Testers tailored to product-specific needs. If you need any industrial solution, please contact with us. we provide Data Acquisition System services, real-time data collection, monitoring, tracing using LabVIEW and PLC



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AVAILABLE MACHINERY

Reavha



ESD FOAM TRAY MAKING



CNC MACHINING CENTERS



VMC



SURFACE GRINDING MACHINES



LATHE MACHINES



TAPPING MACHINE



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AVAILABLE MACHINERY



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