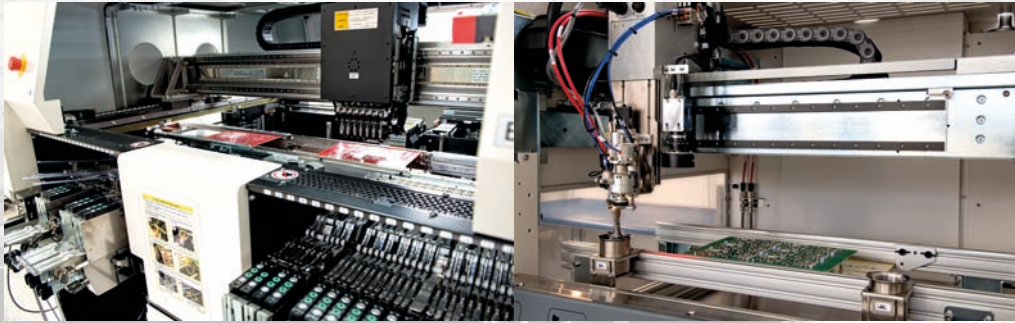


ABOUT OUR COMPANY

MeterTest Sp. z o.o. provides **electronic component assembly services for printed circuit boards (PCB)** using surface mounting assembly technology (SMT). We also offer diagnostics services for PCBs, fully compliant with IPC standards. Comprehensive verification procedures taking place throughout the manufacturing process result in superior finished products, while rigorous electrostatic discharge (ESD) procedures, safe storage methods and dependable transportation ensure quality merchandise is delivered to you. MeterTest engineers gladly answer all inquiries, and offer expert technical advice. Qualified personnel, plus compliance with ISO 9001:2008 quality standards means commissions are accomplished professionally, and on schedule.



SCOPE OF SERVICES

- SMT ENGINEERING ADVICE
- TWO-SIDE MOUNTING OF SURFACE MOUNT DEVICE ELEMENTS
- LEAD AND LEAD-FREE PROCESS TECHNOLOGY
- CONFORMAL COATING
- ASSEMBLY WITH CUSTOMER PROVIDED, OR OUTSOURCED COMPONENTS
- X-RAY DIAGNOSTICS



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www.meter-test-equipment.com/c/services-metertest



METERTEST
INSPIRED BY ENERGY

SMT ASSEMBLY

**CONFORMAL
COATING**

**X-RAY
DIAGNOSTICS**

SMT ASSEMBLY

PASTE APPLICATION IN SCREEN PRINTING TECHNOLOGY

MeterTest has a fully automated, high precision screen printing machine.

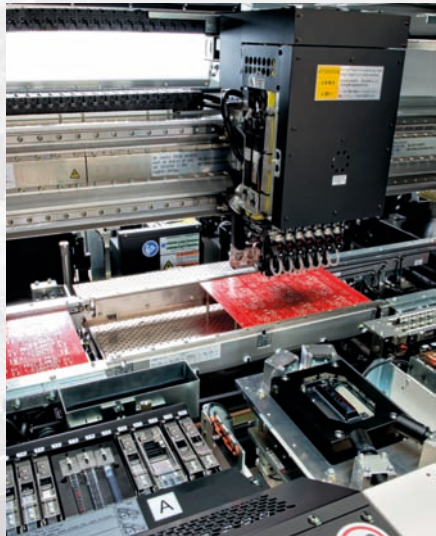
- 2D & 3D POST PRINT VERIFICATION
- ENVIRONMENTAL CHAMBER
- REAL-TIME PROCESS VERIFICATION



ELECTRONIC COMPONENT MOUNTING

MeterTest offers electronic component SMT assembly services for PCBs. Production is fully automated, which enables reliable process repeatability and high finish quality. Qualified engineering personnel oversee the entire manufacturing process.

- MOUNTING OF COMPONENTS AS SMALL AS 01005 (0402 METRIC)
- ATYPICAL COMPONENT MOUNTING REQUIRING A MECHANICAL GRASPER
- AUTO ANALYSIS ASSURING THAT COMPONENTS ARE NOT BENT AND HAVE CORRECT HEIGHT
- THR TECHNOLOGY (THROUGH-HOLE-REFLOW)



REFLOW SOLDERING

Our reflow oven's eight heating zones offers versatile performance and enables the application of all component types. Closed loop convection control allows for precise heating and cooling, ensuring process stability and repeatability.

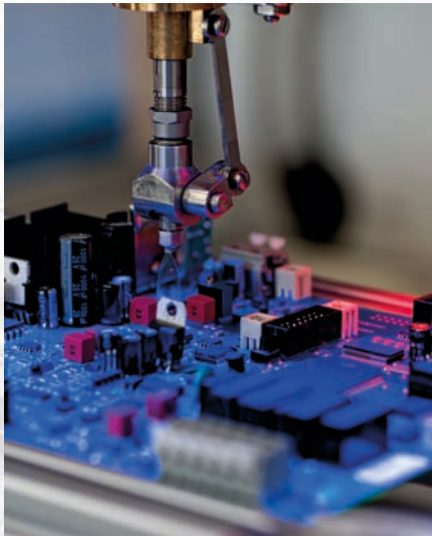
- CLOSED LOOP CONVECTION CONTROL IN OUR BTU SOLDER REFLOW OVEN
- EIGHT HEATING ZONES, ONE COOLING ZONE
- 350°C MAXIMUM ZONE TEMPERATURE



CONFORMAL COATING

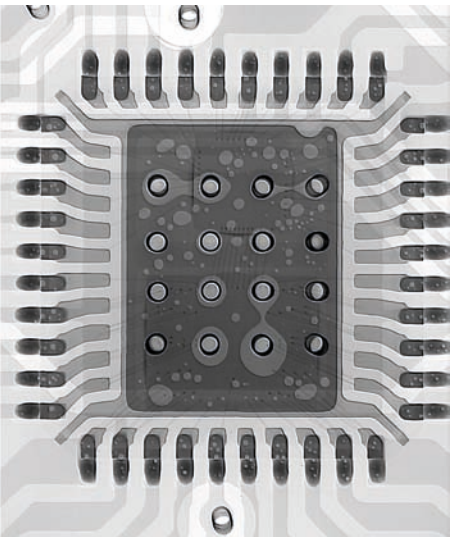
MeterTest provides conformal coating services. A continuous viscosity control system, ensures the coating protects against diverse environmental conditions. The entire process is highly precise and repeatable.

- CONFORMAL COATING OF CIRCUIT BOARDS WITHOUT CONTACTING SELECTED COMPONENTS
- CONFORMAL COATING OF HIGHLY COMPLEX CIRCUIT BOARDS
- EFFECTIVE FROM HARSH ENVIRONMENTS AND CONTAMINANTS



X-RAY DIAGNOSTICS

MeterTest offers PCB diagnostic services that are compliant with IPC standards. We perform IPC compliant diagnostics, or partial diagnostics as commissioned by our customers. Resolution down to 100nm, allows our professionals to detect even the smallest defects, such as; “head on pillow”, “head in pillow”, “open joints” and “cracks”. Such precision enables the verification of our robust pre-manufacturing preparations, thereby ensuring a higher level of quality.



- SOFTWARE FULLY PREPARED TO VERIFY ANY KIND OF DEFECTS OF INSPECTED ELECTRONICS ELEMENTS AND THEIR ASSEMBLY
- GENERATING AUTOMATIC INSPECTION REPORTS
- X-PLANE®

X-PLANE

With X-PLANE® technology, we can verify connection quality without having to perform invasive inspections of printed circuit boards. The technology generates 2D cross-sections of the chosen elements, so a diagnostic can be implemented on each layer.