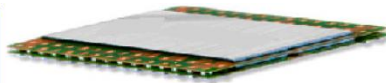


Lines Represented  
for Micro-Electronics,  
Opto, Solar & MEMS

# ASSEMBLY RESOURCE



Semiconductor & SMT Assembly  
Equipment and Materials

[Leigh Jackson](mailto:Leigh@assemblyresource.com)  
Office: 510-659-8382  
Mobile: 510-604-1662  
[Leigh@assemblyresource.com](mailto:Leigh@assemblyresource.com)

## High Precision Screen and Stencil Printers

**Samsung** offers outstanding value and performance for **Stencil and Screen Printers**. Systems offer superior accuracy, full inspection capability and process support.



## 3D – Epoxy, Paste & Deposition Inspection

**Parmi** is a world leader in **Automated 3D Inspection** for materials deposited onto substrates. Parmi provides superior performance & value. They offer the fastest in-line 3D SPI along with table top units.



## High Precision Bonders & Assembly

**Finetech** is the leading manufacturer for high-precision assembly tools. At better than 1/2  $\mu\text{m}$  accuracy, they're ideal for process development & pilot volumes on **Photonics, MEMS, POP, MCM, COB & Flip-Chip**.



## Solder Balling & Sphere Placement

**Wagenbrett** makes extremely simple tools for attaching solder spheres onto Wafers (to 12"), CSP and BGA components. Yields have been field proven to 99.98%+ with spheres down to 120 $\mu\text{m}$  diameter.



## Ultra-High Accuracy Bonding & Assembly

**Amicra** offers the **Highest Accuracy Automated Placement**, Bonding and Assembly Systems. The AFC+ is capable to 1/2  $\mu\text{m}$  post process accuracy. The Nova+ is capable to 2000 UPH with 2.5  $\mu\text{m}$  accuracy.



## Fine Parts, Screen – Stencil Cleaning

**Kolb Cleaning Technology** offers batch style **Cleaning Systems** featuring innovative technology combined with process optimized detergents to exceed current & future cleaning requirements.



## Full HD Camera & Digital BGA Inspection

**Optilia** makes **Full High Definition Camera Inspection Systems** for all assembly and inspection needs. The **Digital BGA Inspection** System allows under-part gaps as small as 0.4mm with depths up to 40mm.



## Vapor Phase Soldering Technology

**ASSCON** is a world recognized leader in the newest generation of **Vapor Phase Soldering Technology**. Vacuum Lab & volume units are capable of near Zero Void Soldering



## DryBox - Desiccater Humidity Control

**A-Tek Systems' Dry Boxes & Fast Super Dryers** feature full automation and friendly design. A-Tek units also save cost, time and power consumption.



## X-Ray Tools for State of the Art Inspection

**Creative Electron** offers the very best value and performance for **US Made X-Ray** systems. Entry systems start under \$25k, including a full software package, X-Y Joystick Automation and an 80kV source.



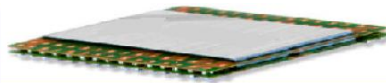
## SMT – PCB Assembly & Repair

**Assembly Resource** also represents a full and complementary line of equipment for PCB - SMT production, including: Conveyors/Handling; Stencil Printers; SMT Pick & Place; Reflow Ovens; Wave & Selective Solder; Robotic Soldering with Laser and Iron Tip; X-Ray Inspection; Precision PCB Routers; Rework/Repair and Batch Cleaning systems.



Lines Represented for  
**Printed Circuit Board**  
Assembly & Repair

# ASSEMBLY RESOURCE



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## Conveyors - Handling, Benches & Hand Assy

Pro-Mation offers a complete line of **Conveyors, PCB Handling and Inspection Equipment. Manual Assembly-Slide Lines**, along with Materials Handling & Technical Benches as key product offerings.

# PROMATION

## Production & In-Line Stencil Printers

Samsung offers a line of high performance to value oriented Stencil Printers. The SP1 series offers superior flexibility, class leading +/-12.5 micron accuracy along with 5 second cycle time.



## 3D SPI - Solder Paste & Deposit Inspection

Parmi is a world leader in **3D Solder Paste Inspection** for printed solder paste on PCBs. The **Printer Doctor** and **Solder Jet Defect Repair** have created new standards for improving print process performance.

# PARMI

## Flexible to Ultra High Volume Pick & Place

Samsung is the largest SMT system supplier in the world. They offer complete SMT lines with Stencil Printers, high flexibility to ultra-high volume Pick & Place, convection ovens and PCB handling.



## New Vapor Phase Soldering Technology

ASSCON manufactures the latest generation of **Vapor Phase Reflow Systems**. They are the industry leader offering Lab Style to Full Volume Production Units with Dynamic Profiling and Multi-Vacuum technology.

# ASSCON

SYSTEMTECHNIK

## Cleaning Technology- Screen/Stencil & Solar

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## Selective Solder, Lead Form & Hand Depanel

Ebso offers a broad line of **Selective Soldering Machines**, from manual rework stations to stand alone batch machines with dual puts & auto wire feed. **Manual Depanel & Lead Forming** tools are also available.



## Label Print & Place Robotic Soldering

Pro-Mation offers **Automated Label Placement**, both **Table Top & Print On Demand In-Line Systems**. They also make offers **Laser & Iron-Tip Robotic Soldering Systems** in table top, gantry & in-line formats.



## Router-Depanel & End of Line Automation

Getech Automation's **Router-Depanel Systems** provide outstanding Value with industry leading Accuracy, Flexibility & Throughput. EOL units include: **Laser Marking, Gauging, Labeling & Odd-Form Assy.**



## BGA - QFP - SMT Rework and Repair

Finetech's **SMT-BGA-QFP Rework & Repair Systems** are field proven on the smallest parts, incl. 03015M. Their solutions include unmatched heating control, non-contact solder removal & flux-solder printing & dip.



## Solder Management: Test, Clean & Save

GEN3 offers test and production systems for **Solder Paste Height Measurement, Conformal Spray & Dip Coat, Ultrasonic Stencil Cleaning, Solder Saver, Solderability, Ionic Contamination, SIR and CAF**



## Micro-Electronics, MEMS & Solar Equip.

Assembly Resource also represents a full line of equipment designed for Micro-Electronics, MEMS and Solar Manufacturing. Wire & Die Bonders for Lab-Prototype, Production & Ultra High Accuracy Bonders.



<http://www.assemblyresource.com/>