

**World Class Manufacturing,
Design, Engineering and
Logistics since 1965**



SWEMCO

CORPORATE

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SWEMCO

IVYLAND

141 Railroad Drive
Ivyland, PA. 18974
215.322.9410

Certifications

ISO 9001-2008
ISO 13485-2003
AS9100
IPC-A-610 Class 1,2,3
QC 080000 RoHS/HSF
ANSI J-STD-001
ITAR M-3857



*Advancing
Technology from
Concept to Reality.*



Services

Manufacturing:

System Build
PCB Assembly
Mechanical Assembly
SMT
Thru Hole
Functional Testing
Supply Chain Management
Process Documentation
Flexibility
On-time delivery
65,000 Square feet
World-class manufacturing

Engineering:

Full Systems Design, Scheduling & Management
DFM - Manufacturability
Sustaining Engineering
Test Configuration
RoHS & SMT Conversion
Process Design Conversion
Cadence Design Tools
Altium Design Tools
Solid Works Professional 3D
AutoCAD 2D
Aegis - Checkpoint and CircuitCam

Logistics

Supply Chain Management
Automated Procurement of materials
Customer Inventory Warehousing
Domestic and International Shipping

Kanban
Consignment inventory
Dock-to-Stock
Warranty and Repair Services

Lean Manufacturing

Paperless Manufacturing System
Maximize Space Utilization
Activity Relationships (Pull)
Cellular Piece Work Flow
Material Handling

Just-In-Time
Continuous Improvement Programs
Work Station Design
Rapid Changeover
5 S's
Value Stream Mapping

Markets Served

Department of Defense
Medical
Clean Energy
Telecom
Datacomm
Semiconductor
Controls and Measurement

Transportation
Industrial
Data Storage
Security
Aviation
Aerospace



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Equipment List

SMT Pick and Place Equipment:

- 2 Universal Instruments – Genesis Series I GC-30S High-Speed SMT (34k CPH)
- 2 Universal Instruments – Genesis Series I GX-7S Multi-function SMT (15k CPH)
- 1 Universal Instruments – Advantis-3 AC-30S High-Speed SMT (34k CPH)
- 1 Universal Instruments – Advantis-3 AX-7S Multi-function SMT (15k CPH)
- 3 Quad Systems – QSP-2+ High Speed SMT (12k CPH)
- 1 Quad Systems – QSV-1+ High Speed SMT (6k CPH)

Stencil Printers:

- 2 DEK – Model ELA Fully –Automatic Stencil Printer
- 1 Dek – Model HORIZON 265 Fully Automatic Stencil Printer
- 1 Dek – Model EUROPA Fully Automatic Stencil Printer
- 2 Quad – Model AVX500 Fully Automatic Stencil Printer
- 2 Quad – Model VMP20MV Semi-Automatic Stencil Printer

Reflow Ovens:

- 1 Vitronics-Soltec – Model XPM3i-1030 Convection Reflow Oven (13 zones)
- 2 Vitronics-Soltec – Model XPM-820 Convection Reflow Oven (10 zones)
- 1 Vitronics-Soltec – Model XPM-520 Convection Reflow Oven (7 zones)
- 2 BTU – Model PYRAMAX100 Convection Reflow Oven (10 zones)

Thermal Profiling Equipment:

- KIC – SlimKIC 2000 Thermal Profiler

Automated Through-Hole Equipment:

- 1 Universal Instruments – 6241B VCD Axial Inserter
- 1 Universal Instruments – 6287A VCD Axial Inserter
- 1 Universal Instruments – 6790 DIP Inserter
- 4 Contact Systems – CS400 Semi-Automatic Component Inserter

Selective Solder Equipment:

- 2 Pillarhouse – Jade Handex Selective solder machine
- 2 Pillarhouse – Jade S-200 Selective solder machine
- 2 Hakko – 485 Solder Fountain
- 1 AirVac – PCBRM-15 Solder Fountain

Wave Solder Equipment:

- 1 Technical Devices – NU/ERA JR. Wave Solder
- 1 Speedline – Vectra Elite Wave Solder
- 1 Mann Corp – 28-400-2 Wave Solder

Surface Mount Repair/Rework Equipment:

- 1 DEN-On Instruments – RD500 Series2 BGA/CSP closed loop rework station
- 1 APE – Sniper Split Vision Rework

Inspection:

- 1 Phoenix X-RAY – PCBA Analyzer 160
- 1 Glenbrook Tech. – RTX-113 X-Ray
- 1 YESTech – YTV-2050 AOI Inspection System
- 2 YESTech – B2 Bench Top AOI
- 1 Cyber Optics – FLEX AOI Inspection System
- 1 MV-Tech – GS-1 AOI Inspection System
- 1 ERSa – ERSAScope 2 Inspection System

Test Equipment:

- Genrad – Model 2286i In-Circuit Tester
- Genrad – Model 2287 In-Circuit Tester
- Seica – Pilot VIP Flying Probe
- Takaya-APT-9401 CJ Flying Probe
- Tektronix – TLA715 Series Logic Analyzer

Environmental Test Equipment:

- Test Chamber and Assorted Test Systems
- 3D Printer**
- MakerBot Replicator 2X