



Oakdale, Minnesota

Surface Mount Equipment

5 Full SMT Assembly Lines

SMT Proto Line 1 (Big Board Line)

Juki PMaxII Screen Printer
MyData My19 Placement Machine
Conceptronics HVN102 Convection Reflow Oven

SMT Proto Line 2

DEK Horizon 03ix Screen Printer
MyData My9 Placement Machine
MyData My12 Placement Machine
Heller 1809 MK5 Reflow Oven (9 zones)

SMT Production Line 1

DEK 08A Screen Printer
Omron VP5200L-V 3D Solder Paste Inspection
MyData My100DX-10
MyData My100DX-14 with TEX
Omron VTS730 3D AOI
Heller 1809 MK5 Reflow Oven (9 zones)

SMT Production Line 2

DEK 08A Screen Printer
Omron VP5200L-V 3D Solder Paste Inspection
MyData My100DX-10
MyData My100DX-14 with TEX
Omron VTS730 3D AOI
Heller 1809 MK5 Reflow Oven (9 zones)

SMT Production Line 3

DEK 08A Screen Printer
Omron VP5200L-V 3D Solder Paste Inspection
MyData My100SXe-14
MyData My100SXe-14 with TEX
Omron VTS730 3D AOI
Heller 1809 MK5 Reflow Oven (9 zones)

SMT Support Equipment

Camelot 1818 Dispenser
Nicolet NXR14001 X-ray System
Sierra Summit SRT 1000 BGA Rework System

ERSA Scope
Metcal Scorpion APR-1200A-SRS Rework System

Through-Hole Equipment

I.C. Insertion

DynaPertIntellisert DD4500

Component Sequencing

Universal 2596B Sequencer – 60 Stations w/ Component Verifier

Axial Lead Component Insertion

Universal VCD6287A

Universal VCD Intellisert V12000

Terminal Insertion

Universal 6772 with Dual Head .045 Sq. Posts and .25" Spade

Lead Forming & Cutting Equipment

GPD Model CF8 – Axial former and cutter

HEPCO 8000-1 – Axial lead former and cutter

HEPCO 1500 – Radial cutter

HEPCO 1700-2 Radial cutter

HEPCO 3000 – Die form and cut

HEPCO 7900LFT – IC Lead former

HEPCO 7700LF3A – IC Lead Former

HEPCO C-7600 – IC Lead Cutter

HEPCO T3700-1 – Universal shear blade cutter

Eubanks 4600 – Flat Ribbon cable cutter

Soldering

Vitronics-Delta 5 Lead Free Wave solder

Electrovert ElectraTin/Lead Wave Solder

(3) Nordson / ACE Kiss 103 & Kiss 103IL

Cleaning

ElectrovertAquastorm 100 Wash System

ElectrovertAquastorm 200 Wash System

NuClean PolySMT318-XL

Trident III Batch Washer

Test Equipment

In-Circuit Testing

GenradGR2281

Factron (Fairchild)FF303

Teradyne Z1880-2

Teradyne Z1886

Cleanliness Testing

Alpha Metals 500M SMDII Ionograph PCB Cleanliness Tester

Thermal Testing

Blue M Baking Ovens Models CC-09-1-P-E, OV-490A-2, MO149A, & POM-206C-1
ESPEC ET046-5JW
ThermotronF-42-CHU-25-25

Miscellaneous**Depanelization**

Yush YSVC-3S Aluminum Depanelizer
FKN K40000S v-Score Depanelizer
Hepco 1200-1 Nibbler Style 0.053"
Hepco 1200-1 Nibbler Style 0.063"
Hepco 1200-1 Nibbler Style 0.098"
Fancourt NTG 400R
Cencorp TR1000 CNC router/Depanelizer

Conformal Coating

PVA 1000 Selective Spray Coating System (3-axis)
PVA 2000 Selective Spray Coating System (5-axis)
PVA 3000 Selective Spray Coating System (5-axis)

Other

Amistar Dataplace 100 Label Placer
Zebra Thermal Printers (multiple models)
PemSerter LT/4 (PEM insertion)
Branson 2000iW Ultrasonic Welder
Alpha Metals 500M SMD II- Ionic Cleanliness Tester
VJ Electronix Xquik II reel counting system
Unit Design QC-1000 Stencil Washer
Botron Elite – ESD Test Station: Wrist, Foot, Smock