

STI Equipment List

Last Updated July 2005

SMT Line 1

Screenprinter Dek 248

Siemens Siplace F3

Siemens Siplace F3 with 25 Tray Matrix waffle changer

Line Technology 0603 Upwards

SMT Line 2

DEK Horizon 03 printer

Siemens Siplace S15

Siemens Siplace F3 with 25 Tray Matrix waffle changer

Heller 1800EXL Convected air, 8 zone reflow.

Line Technology 0603 Upwards

SMT Line 3

DEK Horizon 03 printer

Siemens Siplace S25

Siemens Siplace F5 with 25 Tray Matrix waffle changer

BTU Paragon 98 Convected air, 7 zone reflow with forced cooling.

Line Technology 0201 Upwards

SMT Line 4

DEK Horizon 265 printer

Siemens Siplace S27

Siemens Siplace HF with 100 tray Matrix waffle changer

BTU Paragon 98 Convected air, 7 zone reflow with forced cooling

Line Technology 01005 Upwards

OTHER PRODUCTION EQUIPMENT

DEK 248 Screenprinter (Fastrack)

Ultraprint 200 Printer

Aura AutomationWave Solder Machine.

Contax CS400C Cut and Clinch Assy Station

Metcal Soldering stations throughout.

CLEANING

Automation A400 aqueous in-line cleaning system.

Kerry Compact Mark 2 450 cleaning system.

Hydrosonics Sensotronic 400 non aqueous cleaner.

Nautilus Automatic Stencil Cleaner.

SPECIALIST BGA EQUIPMENT

BGA / Fine Pitch rework station (OK Industries) – 2 systems

Fein Focus FX160 X-ray

BGA/Flip Chip Camera Systems on all Siplace machines.

Ersa Scope inspection and image capture system

CONFORMAL COATING

Alpha Metals Ionograph 500 M .
Vision Engineering UV Mantis microscope.
2 Concoat UV inspection booths.
1 custom spray booth.
2 De Vilbiss GTI spray gun and pressure pot.
2 Custom flash cabinets.
3 Leader coating cure ovens.
Spray application
Hand application
Ultra-violet inspection

TEST / INSPECTION

DCB Automatic Optical Inspection (AOI)
Asset Diagnostic system v2.3 Boundary Scan Run-time Solution with de-bug
HBV Programming Capability
JTAG Boundary Scan diagnostic system.
Takaya APT – 8400 CE Fixtureless Tester ~ 2 systems
Takaya APT – 9400 CE Fixtureless Tester ~ 2 systems
Tekmar Digital Vision Comparator ~3 systems
Alpha Solderpaste height measurer
Inspection systems :-

- ~ Mantis system 510 viewing scope ~ 9 systems
- ~ Vision Engineering Dynascope
- ~ TS3 Zoom stereo microscope
- ~ Micropoint
- ~ Functional Test-Variou Apparatus incl - Oscilloscope
- ~ Multimeters
- ~ Capacitance meters, Power supplies
- ~ Shorts locator

IFR 5300 – 2 systems
IFR 4220

MISCELLANEOUS EQUIPMENT

Fabmaster off-line programming systems
Pre-bake ovens and vacuum bag sealer
2 off dry boxes
Thermal cycling oven - 2 off both with Nitrogen capability
Complete anti-static floor and working surfaces throughout production area and stores
Solderpaste / Glue Dot Dispenser
Elite IC leadforming machine
Intertronics Board Repair and Rework System
Depanelling and board edge dressing equipment
Valor Trilogy software for ODB++ and DFM