

QSM
ELECTRONIC ASSEMBLY BENCHMARK STUDY

ASSEMBLED RESOURCES	2000 DATA
Number of smt lines	3
Robotic Placement High Speed	2
Robotic Placement High Accuracy	2
Screen Printers	4
Convection Ovens	3
Wave Solder Machines	2
Aqueous Cleaners	2
Rework Stations	2
Total number of employee's for PCB assembly	
Direct	11
Indirect	4
Building (total square feet)	12,500
Manufacturing (square feet)	5,500
Office (square feet)	2,200
Stockroom (square feet)	1,200
ASSEMBLY CONTEXT	2000 DATA
Components Assembled	
Components / Day	173,000
Components / Week	865,000
Components / Month	3,460,000
Components / Year	41,520,000
Average number of PCB (Mixed)	95% Mixed with 80% SMT 20% Thru-hole
Average number of components / PCB	SMT 70
Average number of components / PCB	Thru-hole 14
Average number of different assemblies per year	95
Average size of PCB	9" X 12"
Max size of PCB	14" X 16"
Min size of PCB	1.5" X 2"
Average lead time from receiving to shipping	2 – 3 Weeks