

# SURMOTeCH

The Manufacturing Department you wish you had.

## THE MANUFACTURING DEPARTMENT YOU WISH YOU HAD.

Surmotech is no ordinary electronic contract manufacturer. We provide service and expertise like your own in-house manufacturing department. Only better.

We provide a complete range of design and manufacturing services—from project inception, to final assembly. We excel at designing for manufacturability. And our record for being on time and on budget has helped make us a Rochester Top 100 Company again and again.

- ⌘ Expertise in military, industrial, medical, telecommunications and consumer electronics
- ⌘ Total turnkey solutions
- ⌘ Prototype to production
- ⌘ PCB assembly to full production build
- ⌘ ISO 9001:9002 Registered

### ENGINEERING

We can work one of two ways: We'll be an extension of your engineering department. Or we'll be your engineering department. Our designs ensure quality and production efficiency, whether we're starting from scratch or redesigning your existing products.

- ⌘ PCB layout
- ⌘ Design for manufacturing (DFM)
- ⌘ Design for test (DFT)
- ⌘ Conversion of older thru-hole assemblies to SMT designs
- ⌘ Component engineering to support alternate sourcing
- ⌘ RoHS Conversion



## MANUFACTURING

If you need it, we've done it: Small volumes, large volumes, PCB assemblies, full product builds. Our extensive experience makes us the manufacturing department that understands completely. And executes flawlessly.

- ⌘ BGA 0.4mm (0.016") to 1.27mm (0.050")
- ⌘ Single- or double-sided SMT
- ⌘ Thru-hole insertion
- ⌘ Flex-PCB
- ⌘ Electro-mechanical assembly and full product builds
- ⌘ BGA x-ray
- ⌘ IPC/J-Std Class II and Class III builds
- ⌘ Service and repair
- ⌘ Turnkey/Consignment
- ⌘ KANBAN system
- ⌘ Distributor support programs, material bonding programs
- ⌘ Class 100 Clean room booth



## TESTING

We'll develop a customized test strategy based on your product requirements. And give you total test coverage to make sure assemblies work perfectly once they're integrated into the final product.

- ⌘ Flying Probe, a test solution for prototypes and volume production with minimal tooling costs.
- ⌘ ICT, an affordable test solution for higher volumes.
- ⌘ AOI (Automated Optical Inspection)
- ⌘ Environmental Test Chamber

## QUALITY STANDARDS

It's easy to talk quality. We want you to see that we can back it up. We pride ourselves on meeting the highest quality standards and attaining the most advanced certifications.

- ⌘ ISO 9001:2000 certification in January 2003 for Quality Management System
- ⌘ ANSI/ESD S20.20 standard for the ESD control program
- ⌘ IPC-610 J-STD-001 certifications
- ⌘ RoHS compliance (IPC-1752)
- ⌘ ITAR registration



**ISN'T IT TIME YOU HAD THE MANUFACTURING DEPARTMENT YOU WISH YOU HAD?**

**CALL SURMOTECH AT 585.742.1220. OR VISIT OUR WEB SITE AT [WWW.SURMOTECH.COM](http://WWW.SURMOTECH.COM)**