

Engineering Services



In today's ever-expanding marketplace, companies work harder to stay competitive. Frequently they have engineering work that needs to get done . . . however, they lack in-house resources and/or the expertise.

Accratech is frequently called upon to help firms like yours supplement your staff to reduce time-to-market, help with documentation, avoid hiring new personnel, or compliment your knowledge base. Collectively, we have over 100 years of experience with multiple patents. We utilize state-of-the-art design tools that will give you exactly what you need; when you need it.

Our services include:

Printed Circuit Design

- Rigid, flex, rigid flex
- Digital/high speed
- Analog, high voltage/high current
- Power supplies
- EMI/RFI design
- SMT, BGAs, through hole & mixed technology
- UL, CSA, TUV and MIL standards

Electronic Design

- Digital
- Analog
- R&D
- IP
- Transformer design
- Liquid crystal display modules
- POP display design – video, LCD and VF
- EMI

Documentation

- Technical documentation
- Electrical parts libraries per I.P.C. specifications
- System to component-level documentation
- PCB layout and assembly documentation
- Electronic packaging documentation
- NC data

Engineering System Experience

- CADD
- Pro/E*
- ProSurface
- IntraLink
- Pro/PDM
- Veribest* by Mentor Graphics
- PCAD
- PCGerberII
- AutoCAD

*Preferred

Applications

- DC motor control
- Multiple DOF robots
- Classical, digital, LQG control theory
- Real-time control software
- Real-time process control

Processor Cores

- Intel: 80C51, 80C196, 8097
- Siemens: 80C166, 80C167
- ST: ST10F168, ST10F269
- Motorola: 68HC05
- TI: TMS320C25, TMS320C50, TMS320C243, TMS320C2407
- CAN: 2.0A, 2.0B, (Intel 82527, Philips 82C200)