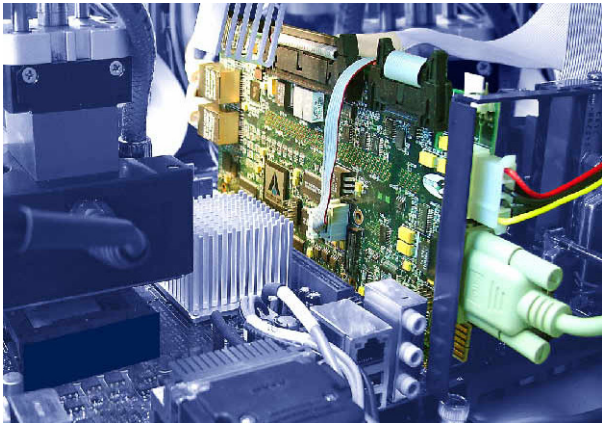




# Automated Test of a Complex Computer Chip

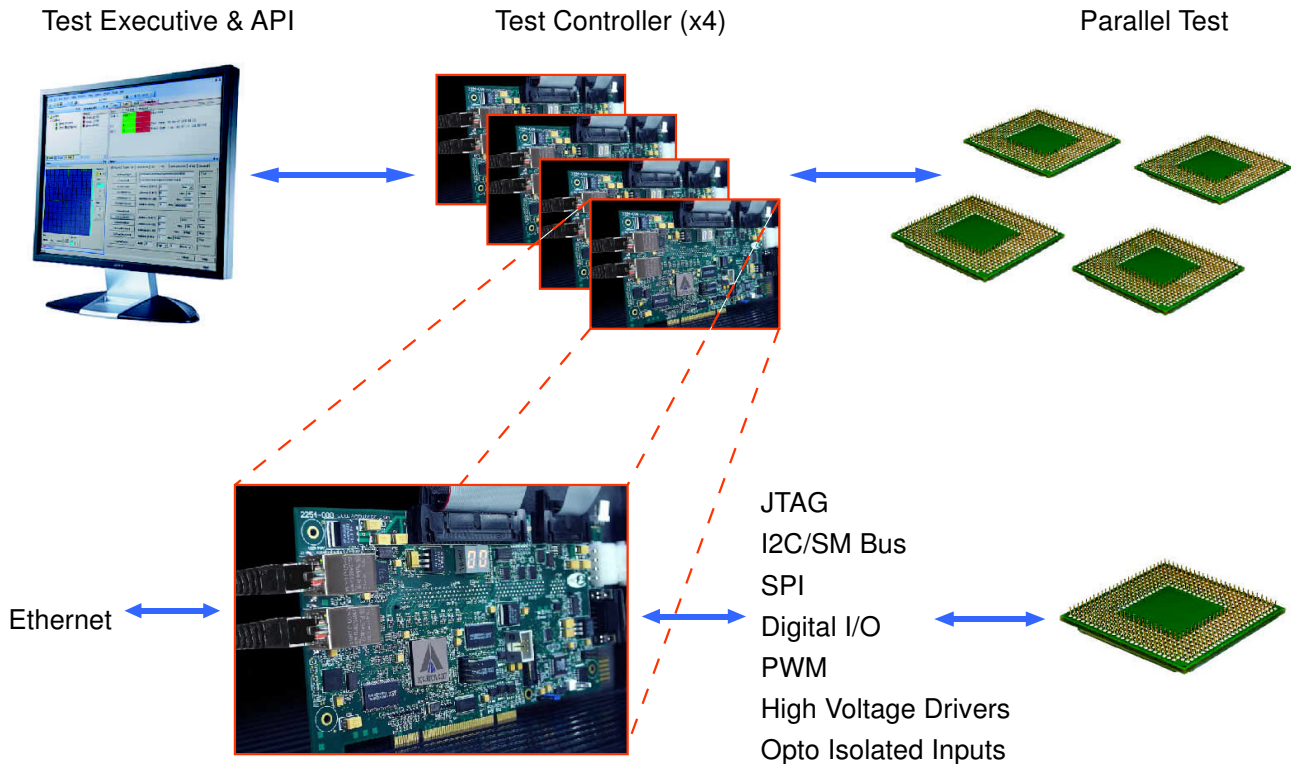


**Type of Project**  
Process Improvement

**Client Brief**  
To replace the customer’s existing rack-based test systems for CPU chips, with a single customised instrument. All the instruments in the rack were to be integrated on to a single board. An API was to be provided to allow easy integration into an industry-standard test executive.

## Accutron Solution

The existing rack-based solution came with a price tag of US\$100,000. Accutron integrated all this functionality on to a single card using DSP and FPGA technology, reducing the over all cost per test system to US\$3,000!



## Skills Employed

- Concept and system design.
- Digital Signal Processors (DSP).
- FPGA.
- C/C++ Programming.