SALLAND Engineering
Test Technology Center

XCell2

High Density and High configurable Test Cell eXtension

Key features

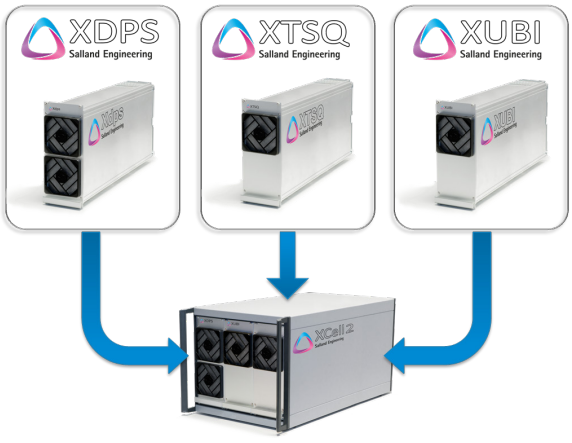
- Augmenting Test Cell Capabilities
- 2 slots subsystem including on-board CPU's, AC/DC supply and communication to ATE
- Integrate an unlimited amount of XCell2 systems to provide maximum flexibility and scalability
- Standalone calibration and checkers for best and seamless Maintenance

Optional configurations

- **High Density Power Supply "XDPS"**
  - Add up to 128 independent device power supplies to existing ATE
  - Drive current up to 8A when ganged
- **Test Setup Qualifier "XTSQ"**
  - Automated measurement of min/max & excessive voltages (spikes)
  - Simultaneous measurement on 16 or 32 "floating ground" channels
- **Universal Base Instrument "XUBI"**
  - Base board for customer & application specific solutions
  - Standard Communication & Synchronization bus to ATE
- **Analog "XANALOG"**
  - Waveform Generator and Digitizer options from THD 110dB @ 1kHz to 400Mb/s sampling

Salland Engineering's XCell2 is a multi-slot subsystem, designed to respond to the emerging demand for Test Cell extended capabilities to meet Time to Market and capacity demand.

- Versatile, external subsystem to extend the Test Cell capabilities.
- Focus on High performance and high density instrumentation to augment install base flexibility and capability.
- XCell2 instrumentation is driven by the native ATE Test Environment
- ATE CPU and TOS version independent
- Ethernet communication support
- Assign and share XCell2/ATE channels at PIB/DIB level
- ATE electrical signal paths unchanged
- High speed interfaces enable consumer based ATE to test emerging at-speed challenges



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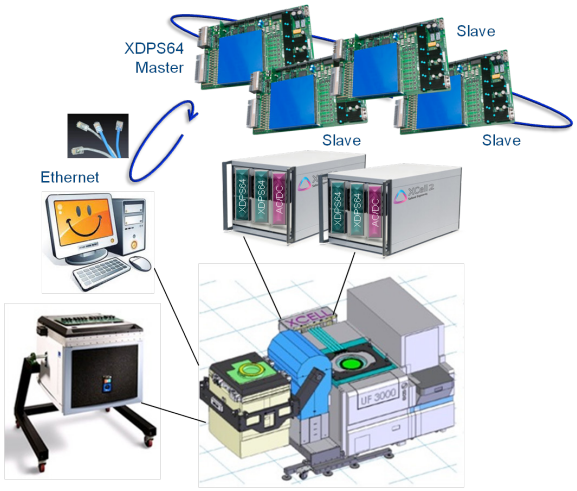
Superior Economics

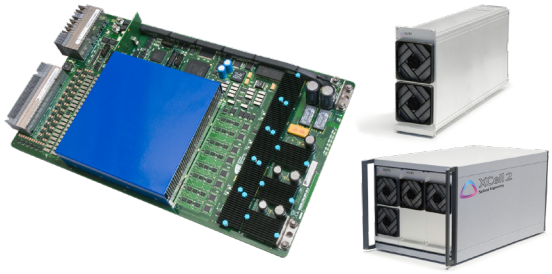
High volume, cost-sensitive markets like microcontrollers span a wide range of applications from toys and appliances to automobile electronics. Testing microcontrollers can only be done cost effectively when testing multiple devices in parallel at high parallel efficiency. Salland's XCell expands the existing ATE platform capability to meet evolving critical test requirements for high parallel efficiency, high power density and high measurement accuracy at both high and low voltages.



No Sacrifices

Salland's XCell2 delivers advantages without sacrificing any of the expectations demanding users have.

- No impact on existing test programs, PIB's/ DIB's and Probe Cards
- No impact on ATE configuration or TOS
- No loss of any slots in ATE
- Air-cooled, instrument-in-a-box design



Reputation for Quality, Reliability and Support

The XCell2 builds upon the earlier success of Salland's IDPS that added 256 independent power supplies to existing ATE. Salland is respected by demanding semiconductor manufacturers, OSATs, and ATE vendors for delivering outstanding instruments that are fully compatible with leading ATE platforms. The XCell2 is supported by Salland Engineering on a worldwide basis

Salland Engineering is an international leading Test Technology & Engineering company specialized in solutions & services that enable semiconductor manufacturers to achieve Lower cost of test, Higher quality and reliability, Improved test floor efficiencies, Faster time to market and Streamlined supply chain. Salland Engineering is in business since 1992, headquartered in Zwolle – The Netherlands, and operates worldwide.

- Supply Chain services from **prototyping**, **manufacturing** up to **repair service** for **advanced measurement** solutions **on site** in The Netherlands
- **ISO 9001:2015** certified