

Accelerate High Channel-Count, High-Precision Semiconductor Testing with **MP5000 Modular Precision Power System**

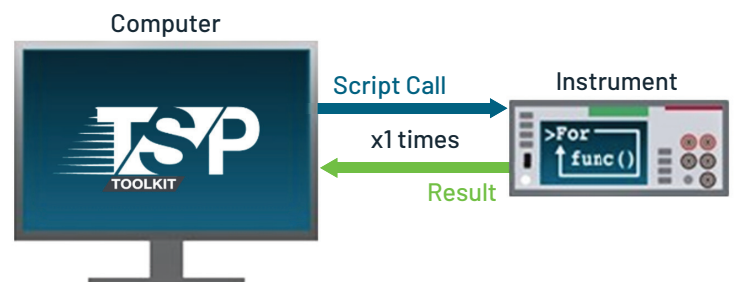
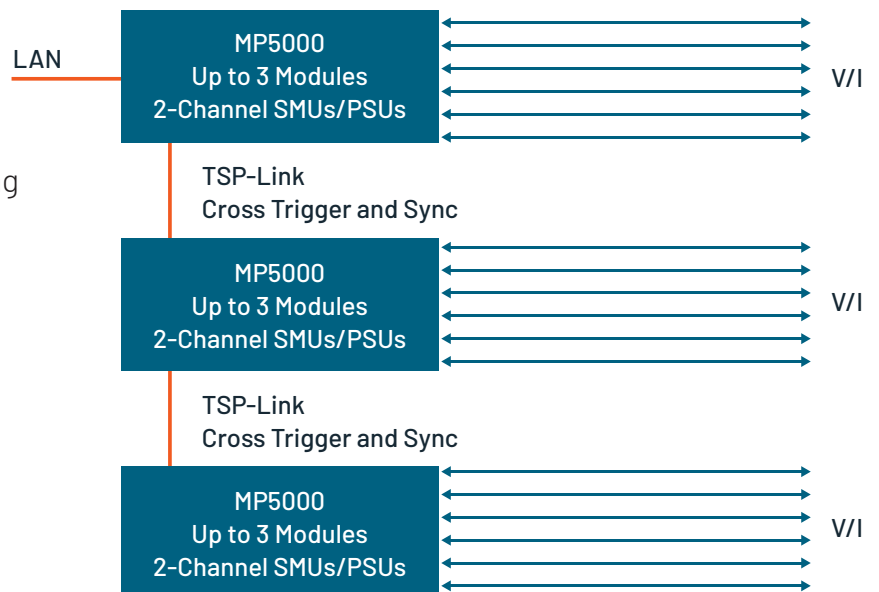


High Channel Density

- Up to 6 independent channels in a compact 1U mainframe
- Enables parallel testing without increasing rack space or system footprint
- Reduces cost and complexity as channel count scales
- Designed for synchronized, multichannel operation—not just added capacity

On-instrument Scripting for Less Communications Overhead

- Built-in Test Script Processor (TSP) executes tests at the instrument level
- Eliminates continuous PC communication and command latency
- Improves data throughput and prevents bus saturation in high-channel systems
- Accelerate code development with TSP Toolkit (debugging, autocompletion, trigger models, automated script generation)



Built for Parallel Testing at Scale

As device complexity increases, throughput becomes critical. The MP5000 Series combines high channel density, synchronized execution, and intelligent scalability to help engineers test more devices, reduce bottlenecks, and accelerate results from characterization to production.

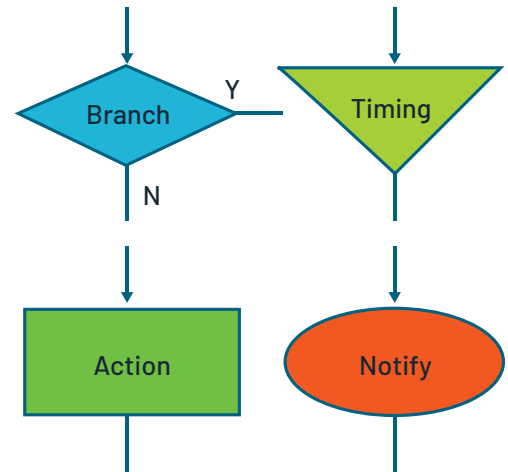


Deterministic Synchronization and Sequencing

- TriggerFlow® enables precise, flow-based control of test execution
- Coordinates source, measure, and timing events across channels
- Reduces latency and jitter for repeatable, high-speed tests
- Enables safe, controlled power sequencing to protect DUTs

TriggerFlow™ Model

Put any number of actions or events in any order to customize your flow!



A Flexible Path from Validation to Production

- Start with a single system and scale as test needs to evolve
- Expand channels within a mainframe or across systems with TSP-Link®
- Extend to large DUT counts using switching (e.g., 3706A System Switch/DMM)
- Maintain a single, unified architecture from validation to high-volume test

