



Static Module Tester



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The static high-current module tester from MicroContact is a modular platform for testing applications in power electronics. When used for testing high-current modules, it reliably meets the requirements for quality assurance and a zero-defect strategy in production.

A rotation system allows for quick specimen changes in the test station for maximum throughput.

Module handling can be automated through a robot or axis portal, or optionally operated manually for smaller quantities.

The performance testing technology from VX Instruments is designed and built according to customer-specific testing specifications. The fundamental tests on a converter assembly include simple measurement tasks and performance tests on the main circuit of the DC source through the three-phase bridge to the AC circuit.

System description:

- Static test cell contacting from the top
- Fast change system for the module under test
- Fast change system for different modules
- Module dimension up to 230mm x 130mm x 40mm

Static test:

- Up to 3'000V, 3'000A
- Pulse >100µs
- Wide bandgap testing (Si, SiC, GaN)
- MOSFET's, IGBT's
- RDS(ON)
- VBRSS, IDSS, IGSS
- VGSTH
- VSD
- etc.