



## Static DCB Tester



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The static high-current DCB tester MCent from MicroContact is a modular platform for testing application in power electronics. Used for testing high-current DCB's, it reliably meets the requirements for quality assurance and a zero-defect strategy in production.

The system is a compact and highly flexible test cell, where contacting head and the camera are mounted to the robot head. Via a width-adjustable belt, carriers are fed into the tester. The visual recognition system PRS identifies the DCB and determines its exact position. By means of the determined offset values, the adapter is optimally positioned with respect to the DCB and allows precise contacting on 0.4mm test points. The DCB's in the carrier can be stepped through in X and Y direction.

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 DCB under test
- Fast change system for different DCB's
- Adapter test area 70mm x 70mm

## 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
- ...