



**01**  
Voltage / compressed air supply and LV and HV test points

**02**  
Integrated test system with HV generator

# TriGuard

## HV TESTING

### Test table with 3-sided light curtain

The UUT can be brought into the secured HV test area by means of a conveyor system. Free accessibility is ensured by a light curtain running around three sides. Without removing the UUT from the transport system, it can be contacted for the test and transported out of the test area after the test.



**Increased test rate with integration into automated production lines**

### Technical data

Integrated tester	NT 700-13
Maximum test voltage	5000 VAC / 6000 VDC
Maximum test current	10 A
Test for	Continuity (four-wire from 100 µOhm) Short circuit Insulation up to 10 GOhm Dielectric strength Function
Programming	Simple and convenient programming of test data and test sequences with NT Control
Adapter System	adaptronic AT4000
Software interface	OPC UA
Power supply	230 V / 50 Hz
Compressed air supply	6 - 8 bar
Adapter surface (W x D)	Version 1.2 m: approx. 1200 mm x 1000 mm Version 1.8 m: approx. 1800 mm x 1000 mm

### The most important facts

- Fast loading and unloading of the test table with UUTs → increased test rate
- Improved ergonomics thanks to support from the conveyor system
- Accessibility of the test area from three sides for faster troubleshooting
- Compatible with proven adaptronic AT4000 adapter technology
- The tester is integrated in the test table
- The test table is available in versions with 1.2 m and 1.8 m adapter surface widths

### Advantages of the integrated tester

- Different voltage classes can be combined in one subrack
- Voltage classes comply with e-mobility guidelines
- Minimized space requirement, as no additional floor space is required for the tester
- Avoidance of external cable from tester to test table

### The adaptronic modular system

- Individually adaptable to a wide range of test requirements
- Specially developed HV adapters for e-mobility cable harnesses
- Premium quality with a long service life