

Multi-Conductor Cable Test System



- **Fast, flexible, and reliable testing**
- Up to **140 connection points** through a **single connection**
- **Multiple design options**



Increased productivity, throughput, repetition and data collection are achieved when testing is performed on wire and cable at the end of the factory production line. PHENIX Technologies' CTS series performs multiple high voltage tests on multi-conductor cable through a single connection on each wire testing up to 140 connection points. Quick connection is made to wire-stripping clips on fan out boards or for larger wire via pneumatic stripping connections. Easy to use software delivers fast automated test results with optional data acquisition, data base, and report generation available if desired. These systems can be customized to test multiple reels of cable in parallel. For flexibility the systems may be configured with options for almost any multi conductor testing application. PHENIX has testing solutions for:

- **Elevator Cables**
- **Railway / Signal Cables**
- **Platform Cables**
- **Down Well Cables**
- **Harness Cables**
- **Specialty Cables**

PHENIX Technologies offers multiple system designs to meet varying test requirements. An oil isolated design is available which is smaller in size, provides excellent switch density, but limited to performing continuity and withstand tests. The air insulated or SF6 insulated design is larger in size and has added capability of insulation resistance, capacitance, and conductor resistance measurements.

Test systems can be designed to perform various test functions: AC Hipot at line frequency, DC Hipot, DC continuity, capacitance, insulation resistance, and conductor resistance measurements.

The precision metering delivers accurate and repeatable measurements. Meters are calibrated according to standards traceable to NIST and ISO 17025 calibration is available optionally upon request.

PHENIX Technologies' service team will be available to support the lifetime of your test system with on-site calibration/ maintenance, software updates, or design feature upgrades.



Large Cable Connectors and Self-Stripping Cable Connectors

As the systems are capable of testing many different types of cables, the test sets are equipped with connectors that allow for a comfortable fit on all possible diameters of conductors. Phenix offers custom pneumatic connectors which provide a mechanically secure connection of even the largest diameter cable without the need for additional tools. In addition, insulation cutting connectors may be supplied for a fast and secure connection eliminating the need to first strip the insulation.



Automated Switchgear for Multiple Test Areas

During a test area expansion, it may be necessary to connect multiple test areas to the high voltage test equipment. In doing so, significant gains in throughput and efficiency can be achieved. Such multi test cells/areas require careful and safe implementations of safety grounding and switchgear. You can rely on Phenix Technologies decades of experience to provide efficient custom solutions which satisfy the demand of high throughput and safety.



PHENIX
TECHNOLOGIES

WORLD HEADQUARTERS

Phenix Technologies, Inc.
75 Speicher Drive
Accident, MD 21520 USA
Ph: +1.301.746.8118
Fx: +1.301.895.5570
Info@phenixtech.com

BRANCH OFFICES

Phenix Systems AG
Riehenstrasse 62A, 4058 Basel, Switzerland
Ph: +41.61.383.2770, Info@phenixsystems.com

Phenix Asia
Zhong Cheng Rd, Sec 1, No 177, 2F, Taipei 11148 Taiwan
Ph: +886.2.2835.9738, Fx: +886.2.2835.9879, Info@phenixasia.com

ISO
9001:2008
Compliant

