

# Switchgear

## Maintenance Testing

**Total  
Power  
Solutions**



Carter Machinery's Total Power Solutions program provides testing & maintenance programs for your complete Electrical Power Systems needs and conforms to the NETA and NFPA 110 standards

## Switchgear Level 2

**Perform basic inspection on switchgear components and controls.  
Test and perform maintenance on circuit breakers.**

- Includes and performs all the functions of **Switchgear Level 1**
- Perform ground resistance inspection
- Perform insulation –resistance test
- Perform systems function test
- Inspect control power transformers
- Inspect batteries (PLC & Station)
  
- Circuit Breakers:**
  - Perform circuit breaker visual and mechanical inspections (clean and check for loose or damaged parts, lubricate and exercise the mechanisms and check for tolerance)
  - Measure resistance across contacts, and conduct DC insulation resistance test
  - Perform primary/secondary injection testing

### Customer Report Provided:

- ✓ Documentation to include completed checklist of service performed with recommendations for any areas requiring additional service
- ✓ Complete analysis of data collected, benchmarked to NETA Standards

**Generators  
Circuit Breakers  
Protective Relays  
Switchgear  
Load Bank Testing  
ATS  
UPS  
Infrared Imaging  
Fluid Sampling  
Emissions Testing  
Fuel Quality Management**

Maintenance and inspection programs help reduce operating costs and increase the reliability of your equipment.

**Carter Machinery Co., Inc.**  
10990 Air Park Road  
Ashland, VA. 23005

**Office: 800-835-1166  
Fax: 804-752-6772**

**Carter** 

[www.cartermachinery.com](http://www.cartermachinery.com)