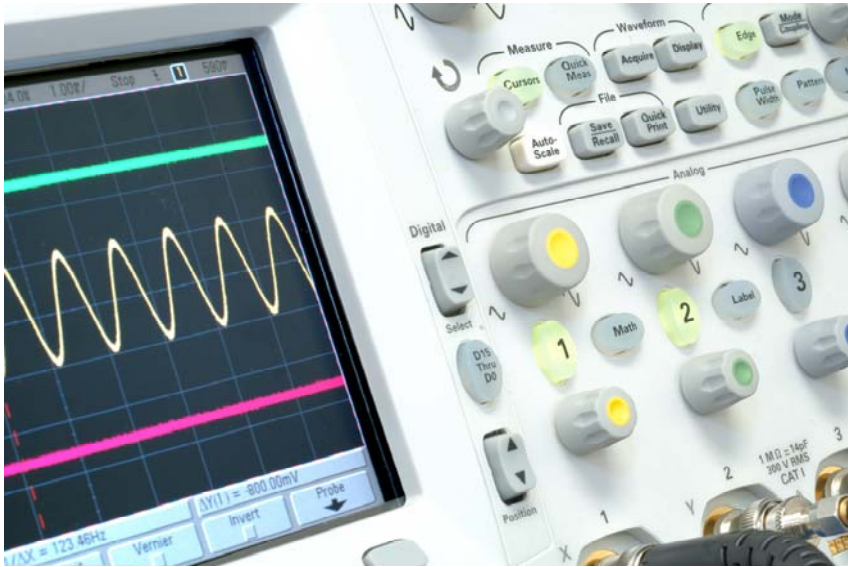




As a complete systems provider of electrical power and control applications, Carter & Crawley enhances this systematic approach through complex, detailed testing and inspection services. With five preconfigured levels of testing and inspection, all systems manufactured by Carter & Crawley are guaranteed to be of the highest quality and workmanship from the moment your team receives them. In addition to the existing menu of standard testing, we have the ability to provide unique, customized test procedures per the exacting specifications of your application.



Our testing begins early in the project with structural integrity and painting inspection. The extensive capabilities in our modern, mechanical fabrication department allow us to apply specialized skills to ensure all enclosures are manufactured to exacting tolerances and specifications. Detailed, point-to-point wiring inspections ensure that each custom-engineered

system will perform exactly as designed. This inspection also provides you with the confidence that all connections are terminated accurately. The next step is to test the integrity of all terminations, making sure all connections are tight and secure. Final procedures in the basic testing program will exercise all mechanical devices and operators for proper mechanical function in the system.

Wiring Verification	Function Testing	Calibration
Component Integrity	Instrumentation	Megger® Test
Simulation Testing	Factory Acceptance	Hi-Pot Test
Software Verification	Structural Integrity	Power Up

Because each project is different in scope, we have testing services that match the needs and applications of projects of all sizes and scope. Applying power to the system at the factory provides an opportunity to eliminate any potential out-of-box component failures and test the integrity of the circuitry, all prior to installation at the project site.

# TESTING SERVICE

Quality Electrical Solutions – Our Legacy, Your Future

Quality continues to be a driving force in today's manufacturing environment. Carter & Crawley is registered to ISO 9001:2000 standards and this commitment to quality extends into our testing services. State-of-the-art testing equipment is utilized for all inspection needs, from multi meters to protective relay test sets; all of our equipment is calibrated per manufacturer's specifications for stringent validation and adherence to a tight tolerance.

By building quality into the manufacturing process we help you:

- Reduce installation and start-up time
- Reduce the risk of damaging expensive equipment
- Increase safety and reduce risk of injury to personnel
- Reduce total installed cost for your project

Following are the five program levels of testing that Carter & Crawley offers as options:

SERVICE PROVIDED	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
Visual Appearance Check	✓	✓	✓	✓	✓
Part Number Accuracy	✓	✓	✓	✓	✓
Quantity Verification	✓	✓	✓	✓	✓
Panel Layout Verification	✓	✓	✓	✓	✓
Nameplate & Labeling Accuracy	✓	✓	✓	✓	✓
Termination Integrity	✓	✓	✓	✓	✓
Point-to-Point Test Per Wiring Diagram		✓	✓	✓	✓
Mechanical Device Operation		✓	✓	✓	✓
Power Up			✓	✓	✓
Full System Function Testing				✓	✓
Dielectric Withstand Test (Megger or Hi-Pot)					✓
Download Customer Specific Settings					✓

Of course we realize that each project has different requirements, and in order to accommodate expanded needs for testing, the following additional services are proudly offered as an option on all projects:

- Calculate Project Set Points     Wire Check Per Schematics     Customer Specific Testing

Carter & Crawley is a proud member of the AZZ Electrical Products Group. AZZ incorporated is a specialty electrical equipment manufacturer serving the global markets of power generation, transmission and distribution, and industrial markets and is a leading provider of hot dip galvanizing services to the steel fabrication market nationwide. AZZ incorporated is NYSE listed under the symbol AZZ.