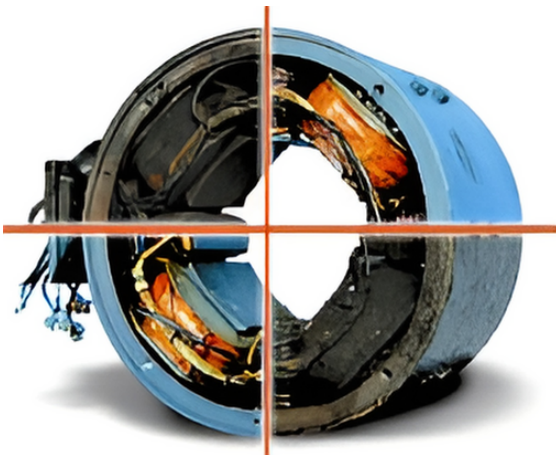


NitroClean™

What is NitroClean™?

NitroClean is an innovative process using a specific combination of inert, high-pressure, non-flammable, moisture-free gas, with electronically safe, environmentally friendly cleaners which remove carbon, dust, grease, and foreign materials from the internal components of electrical equipment. Developed and tested for over 35 years by McIntosh Industries Inc. and now adopted by Capital Electric Motor Service, it is successfully used in elevator, industrial motor, and electronic applications.



Tested & Documented

With NitroClean, downtime is reduced to a fraction of the times associated with traditional methods of equipment service. Testing is performed before and after a NitroClean, and a test report is provided. NitroClean affords the comfort of knowing the reliability of the machinery that is essential to safe and productive systems operations.

A Plan to Fit Your Budget & Needs

Three levels of NitroClean services are available, **NitroClean Basic**, **NitroClean**, and **NitroClean Plus**. If you are not sure which NitroClean process is best for your individual application, one of our technical field supervisors will assist you.

McIntosh Industries

 908-688-7475

 mcintosh.info@hyperion-solutions.com

 mcintoshindustries.com

Capital Electric Motor Service

 214-630-8487

 Myles.Manning@hyperion-solutions.com

 capitalelectricmotor.com

→ NitroAnalysis

Used for elevator modernization projects to evaluate the integrity of hoist machines which see increased loading when modernized. NitroClean not performed.

NitroAnalysis includes:

- Electrical evaluation
- Mechanical evaluation
- Comprehensive report with repair priority matrix ([view a sample report](#))

→ NitroClean™ Basic

Primarily used in situations where equipment is not functioning correctly due to breakdown in ground insulation. It is an attempt to clear poor readings sufficient enough to allow operation of unit until more extensive service can be scheduled.¹

→ NitroClean™

Used extensively as preventative maintenance in industrial and elevator systems. Numerous hospitals, nursing homes, as well as production lines schedule annual NitroClean service.

→ NitroClean™ Plus

Used for elevator modernization projects to provide electrical and mechanical evaluation. Addresses requirements outlined in modernization specification.

MAIN FEATURE COMPARISON	NitroAnalysis	NitroClean™ Basic	NitroClean™	NitroClean™ Plus
Record meg Ohm readings on all isolated circuits.	✗	✓	✓	✓
Clean the unit using our NitroClean process.	✗	✓	✓	✓
Record meg ohm readings after cleaning.	✗	✓	✓	✓
Submit report detailing test results .	✗	✓	✓	✓
Isolate and test Brush Rigging ²	✗	✗	✓	✓
Insulate electrical components with class F insulator.	✗	✗	✓	✓
Dress commutator and undercutting ²	✗	✗	✓	✓
Submit report detailing test results and recommendations.	✗	✗	✓	✓
Full electrical evaluation	✓	✗	✗	✓
Full mechanical evaluation	✓	✗	✗	✓
73 point inspection	✓	✗	✗	✓
Comprehensive report with repair priority matrix	✓	✗	✗	✓

¹ NitroClean cannot clear shorted, blown, or open windings.

² Where applicable.