



## Product Line Cards

INNOVATION  
THROUGH  
AUTOMATION



# Innovation Through Automation

**GCG Automation** consists of leaders in industrial automation: Advanced Controls & Distribution (ACD), Adcon Engineering, C&E Advanced Technologies, Empire, Neff Power, and Professional Control Corp. (PCC). Our customers throughout Western Pennsylvania, Ohio, West Virginia, Michigan, Indiana, Kentucky, Tennessee, Wisconsin, and the Southwest rely on us to continue to supply innovative, technical solutions developed by industry-leading manufacturers.

**ACD** is a technology-leading, full-line distributor of industrial electrical supplies serving an extensive network of vendors and customers.

**Adcon Engineering** has been providing customers with a wide variety of safety and sensing since 1971 to help automate and streamline their manufacturing processes and improve the capabilities of the machines they build.

**C&E Advanced Technologies** has been providing customers with industrial automation solutions for over 40 years. C&E offers products in multiple areas and has the expertise to support them.

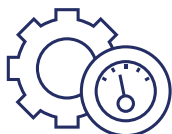
**Empire** is an innovative manufacturer of custom cable assemblies and distributor of automation, cable, electrical, and safety products.

**PCC** is an industrial automation, power distribution and electrical controls distributor for Siemens and other world-class technology providers, serving the Wisconsin and Minnesota manufacturing industry for over 40 years. From complex leading edge technologies to simple off-the-shelf control components, PCC packages a high level of local engineering support and value-add with every product sold.

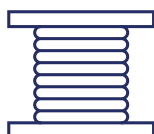
**Neff Power** is a distributor of robotics, motion controls, sensors, safety, vision, machine framing, pneumatics, hydraulics and other products from leading global manufacturers.



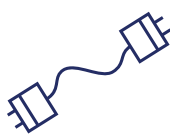
connectivity



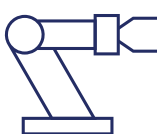
automation & control



wire & cable



cable assemblies



robot dress



safety solutions





ADVANCED  
CONTROLS &  
DISTRIBUTION

A GCG COMPANY

**Cranberry Twp., PA,  
Middleburg Heights, OH**

 724-741-8200

 [acdlist.com](http://acdlist.com)



A GCG COMPANY

**Middleburg Heights, OH**

 440-238-3915

 [adconengineering.com](http://adconengineering.com)



C&E ADVANCED  
TECHNOLOGIES

A GCG COMPANY

**Miamisburg, OH  
Nashville, TN**

 800-228-2790

 [ceadvancedtech.com](http://ceadvancedtech.com)



A GCG COMPANY

**Rochester Hills, MI  
Grand Rapids, MI  
Brampton, Ontario**

 724-741-8200

 [acdlist.com](http://acdlist.com)



A GCG COMPANY

**Chesterfield, MO  
Lenexa, KS  
Addison, TX  
Tempe, AZ**

 855-727-6200

 [neffpower.com](http://neffpower.com)

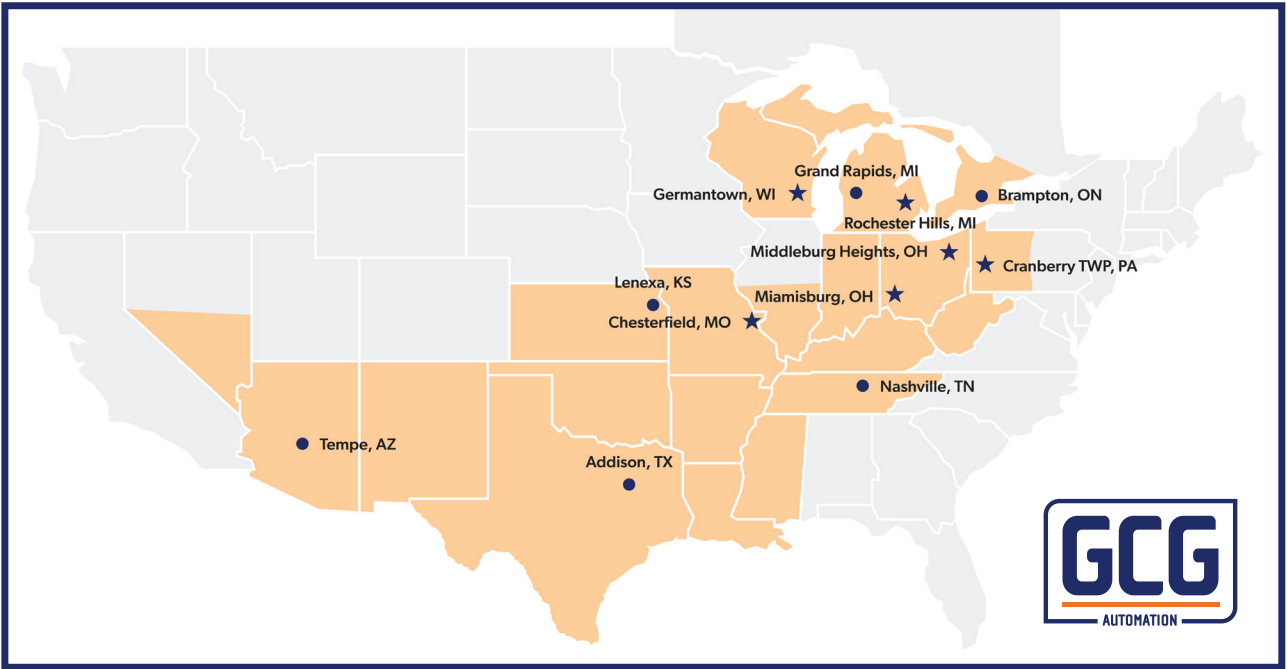


A GCG COMPANY

**Germantown, WI**

 262-251-3000

 [pccweb.com](http://pccweb.com)



Automation • Electrical Accessories • Industrial Controls • Machine Safety • Power Distribution • VFDs • Wireless

**SIEMENS**

World Market Leader in:  
Automation, Drives, Motors, Industrial Controls, Switchgear

**Weidmüller**

Terminal Blocks, Signal Conditioning, Power Supplies, Surge Protection, Industrial Ethernet Switches

**FORTRESS**

Safety Interlocks, CIP Safety & PROFIsafe Devices, RFID Badge Access, Operator Controls, Fluid Power, Light Curtain Safety

**HPS** Hammond Power  
Solutions Inc.

Low/Medium/High Voltage Transformers, Drive Isolation Transformers, Control Transformers, Line Reactors

**Dialight**

High Bays, Area Lights, Linear Lights, Floodlights, Wallpacks/ Bulkheads, Street Lights

**HUBNER**  
GIESSEN

Heavy Duty Encoder System for:  
Metals, Cranes, Mining, Oil, Gas, Wind, Marine, Paper, Railway, Test Stand Applications

**BANNER**

Automation, Sensors, Machine Safety, Lighting & Indicators, Machine Vision, Wireless Networks

**RITTAL**

Enclosures, Power Distribution, Climate Control, IT Infrastructure

**YASKAWA**  
MOTOMAN ROBOTICS

Robotic solutions for welding, assembly, material handling, & packaging

**murrplastik**  
Simply Smart Systems

Cable Management Systems  
Guiding, Protecting, Marking, Robotic Dress Packs, Cable Protection Conduit, Cable Routing/Retaining Systems

**MERSEN**

Fuses, Fuse Holders, Power Distribution Blocks, Low Voltage Disconnect Switches, Surge Protection, Laminated Bus Bar

**eWON** **hms**  
MACHINES CAN TALK

Industrial Routers, Industrial Wireless Routers, VPN Routers for Remote Machine Access

ACD is also an Authorized Distributor for the following vendors:

- |                         |                  |                     |                 |
|-------------------------|------------------|---------------------|-----------------|
| • Accutech              | • Cementex       | • Hilscher          | • Mencom        |
| • Advanced Illumination | • CREE Lighting  | • Husky Rack & Wire | • MTE           |
| • Akron Electric        | • Dynapar        | • iBa               | • On Robot      |
| • Aperam                | • Erico          | • Iboco             | • Pfannenбург   |
| • Atlas Lighting        | • Federal Signal | • Liebert           | • Safe Connect  |
| • Bender                | • FLIR           | • Macron Dynamics   | • SICK Stegmann |
| • Carlo Gavazzi         | • Grace          | • Magswitch         | • Stahlin       |
| • Cembre                | • Haewa          | • Meltric           | • Swivellink    |

Automation • Electrical Accessories • Industrial Controls • Machine Safety • Sensing • Wireless

**BANNER**

Automation, Sensors, Machine Safety, Lighting & Indicators, Machine Vision, Wireless Networks

**RITTAL**

Enclosures, Power Distribution, Climate Control, IT Infrastructure

**MIR**  
MOBILE INDUSTRIAL ROBOTS

Autonomous Mobile Robots (AMRs)

**Maple Systems**

HMI Operator Interfaces, Industrial Computers

**ENCODER**  
PRODUCTS COMPANY

Rotary Encoders: Absolute, Draw String, Incremental, Linear Encoders

**PULS**

DIN Rail Power Supplies, 1-Phase & 3-Phase DC/DC Convertors, DC-UPS, IP67 Field Power Supplies

**TURCK**

Sensors: Prox, Flow, Pressure, Connectivity, Encoders, I/O, RFID

**SICK**

Sensors, Safety Light Curtains/Laser Scanners, Bar Code, RFID

**red lion**

Panel Meters, Counters, HMI Operator Interfaces, Networking

**DYNAPAR**

Encoders: Rotary, Absolute, Heavy Duty, Linear

**Panasonic**

Solid State Relays, Sensors, Controls, Energy Monitoring

**IDEC**

Relays, Sockets, Switches, PLCs, HMI Interfaces, Power Supplies

Adcon Engineering is also an Authorized Distributor for the following vendors:

- |                   |                       |                       |                    |
|-------------------|-----------------------|-----------------------|--------------------|
| • Altech Corp.    | • Contact Electronics | • Meltric             | • Solcon           |
| • Apem            | • Electro Cam         | • Mersen              | • Spectrum         |
| • Aperam          | • Finder Relays       | • Migatron            | • Illumination     |
| • Apex Technology | • Fuji Electric       | • Opto 22             | • Sprecher + Schuh |
| • Carlo Gavazzi   | • Iboco               | • Patlite USA         | • Swivellink       |
| • Conta-Clip      | • Icotek              | • Smart Vision Lights | • Unitronics       |



Automation • Controls • Marking Systems • Motion • Pneumatics • Robotics • Safety • Sensors • Vision • Wireless

**SIEMENS**

World Market Leader in:  
Automation, Drives, Motors, Industrial Controls, Switchgear

**TURCK**

Sensors: Prox, Flow, Pressure, Connectivity, Encoders,  
I/O, RFID

**MIR**  
MOBILE INDUSTRIAL ROBOTS

Autonomous Mobile Robots (AMRs)

**FORTRESS**

Safety Interlocks, CIP Safety & PROFIsafe Devices, RFID Badge  
Access, Operator Controls, Fluid Power, Light Curtain Safety

**KOLLMORGEN**

Motion Systems, Drives, Motors, Linear Actuators, Gearheads,  
AGV Systems

**red ipn**

Panel Meters, Counters, HMI Operator Interfaces, Networking

**BANNER**

Automation, Sensors, Machine Safety, Lighting  
& Indicators, Machine Vision, Wireless Networks

**FESTO**

Pneumatics, Electric Drives, Process Automation Products

**YASKAWA**  
MOTOMAN ROBOTICS

Robotic solutions for welding, assembly, material handling,  
& packaging

**RITTAL**

Enclosures, Power Distribution, Climate Control,  
IT Infrastructure

**murrplastik**  
Simply Smart Systems

Cable Management Systems  
Guiding, Protecting, Marking, Robotic Dress Packs, Cable Protection  
Conduit, Cable Routing/Retaining Systems

**WireCrafters**

Wire Partitions & Cages, Pallet Rack Safety Systems, Machine  
Guarding, Protective Railings, Storage Lockers

C&E is also an Authorized Distributor for the following vendors:

- |                         |                 |                       |              |
|-------------------------|-----------------|-----------------------|--------------|
| • Advanced Illumination | • Fuji Electric | • Larco               | • Stober     |
| • Aperá                 | • HMS/eWON      | • Magswitch           | • Swivellink |
| • Brady Corporation     | • IDEC          | • OnRobot             | • Teledyne   |
| • Cooper Bussmann       | • Joulin        | • ROEQ                | • Tolomatic  |
| • Encoder Products Co   | • JVL           | • Schunk              |              |
| • Essential Robot       | • Koganei       | • Smart Vision Lights |              |

Automation & Control • Connectivity / Wire & Cable • Mechatronix • Wireless

**SIEMENS**

World Market Leader in:  
Automation, Drives, Motors, Industrial Controls, Switchgear

**TURCK**

Sensors: Prox, Flow, Pressure, Connectivity, Encoders,  
I/O, RFID

**WireCrafters**

Wire Partitions & Cages, Pallet Rack Safety Systems, Machine  
Guarding, Protective Railings, Storage Lockers

**ROLLON**  
BY TIMKEN

Linear Rails, Telescopic Slides, Actuators, Actuator Systems

**HARTING**

Industrial, Heavy Duty, & Interface Connectors,  
System Cabling, Tools

**IDEC**

Relays, Sockets, Switches, PLCs, HMI Interfaces,  
Power Supplies

**BANNER**

Automation, Sensors, Machine Safety, Lighting  
& Indicators, Machine Vision, Wireless Networks

**molex**

Cables, Cable Assemblies, Connectors, Edgecards, Sockets

**Southwire**

Wire & Cable, Power Management, Lighting, Tools & Equipment

**TOSIBOX**

Industrial OT Network Security, Remote Network Connections

**LAPP**

Power & Control Cable, Data Communication Cable, Systems

**SAB**  
North America

Flexible Control, Continuous Flex, Bus and Ethernet,  
High Temperature Cables

Empire is also an Authorized Distributor for the following vendors:

- |                 |                 |                 |                |
|-----------------|-----------------|-----------------|----------------|
| • Alphawire     | • Coleman Cable | • Helukabel     | • Pizzatto     |
| • Amphenol      | • CommScope     | • Mersen        | • Reiku        |
| • Aperá         | • Dinkle        | • MP Husky      | • Sealcon      |
| • Apex Dynamics | • Draka         | • Niedax        | • Voyten       |
| • Belden        | • General Cable | • Pepperl+Fuchs | • Wengler      |
| • Chalfant      | • Hammond Mfg.  | • Pfannenburg   | • Wirecrafters |

Robotics • Structural Aluminum • Electrical Controls • Motion Controls • Safety • Pneumatics • Hydraulics • Wireless



Structural Aluminum and Design Services



Sensors, Safety Light Curtains/Laser Scanners, Bar Code, RFID



Sensors: Prox, Flow, Pressure, Connectivity, Encoders, I/O, RFID



Robotic solutions for welding, assembly, material handling, & packaging



Fieldbus Network Systems, Cordsets, Power Management



Collaborative Robots from 5kg to 25kg



Cartesian and SCARA Robots, Electric Cylinders



HSB Linear Actuators, Pneumatic & electric grippers



Industrial, Sanitary and Automation Precision Conveyors



Bulk Cable, Industrial Networking, Cybersecurity



Vacuum Management, Grippers, Generators



Terminal Blocks, Signal Conditioning, Power Supplies, Surge Protection, Industrial Ethernet Switches

Neff Power is also an Authorized Distributor for the following vendors:

- Aperam
- Atos Hydraulics
- Aventics/Emerson /Numatics
- Bucher Hydraulics
- Denso Robotics
- DieQua Corporation
- Gems Sensors
- Hawe Hydraulics
- Hirschmann
- Kollmorgen
- Laurel Electronics
- Lumberg Automation
- Macron Dynamics
- Madison
- Micromatic
- Miller Fluid Power
- NSK
- OnRobot
- Patlite
- Pro-face
- PULS
- Schmersal
- Secomea
- Swivellink
- Thomson
- Tolomatic
- Versa Valves
- Weintek
- West Control Solutions
- Wilkerson

Automation • Robotics • Industrial Controls • Safety • Motion • Sensors • Electrical Accessories • Wireless



World Market Leader in:  
Automation, Drives, Motors, Industrial Controls, Switchgear



Machine Tending, Secondary Operations, Assembly, Inspection, Finishing, Dispensing, Material Handling



Industrial Panel PCs, Industrial Monitors, Embedded Box PCs, Stainless Steel Panel PCs



Cable Carriers, Energy Chains, Continuous Flex Cables, Drive Cables, Pre-harnessed Cable Carriers, Energy Supply Systems for Robots, Joint Kits for Robots



Filter fans, Cooling, Heat Exchangers, Chillers, Water to Water Heat Exchangers, Horns, Sirens & Sounders



PLC Based Motion Control, Integrated Stepper Solutions, Stepper Controllers, Stepper Drives, Stepper Motors



Servomotor Gearboxes, Gearheads & Speed Reducers, Inline/Right Angle Geared Motors, Precision Planetary Gearboxes



Sensors, Safety Light Curtains/Laser Scanners, Bar Code, RFID, Positioning Systems, Optical Data Transmission



Encoders, Linear Transducers, Laser Positioning Devices, Inductive / Capacitive Proximity Switches, Wireless Power & Data Transmission



Terminal Blocks, Signal Conditioning, Power Supplies, Surge Protection, Industrial Ethernet Switches



Solenoid Locking Safety Switches, Rope Pull Switches, Safety Relays, Position & Limit Switches, Magnet & Hinge Switches, E-stops, Pilot Devices



Trapped Key Interlock Systems, PROFISAFE & Ethernet/IP Safety, RFID Safety Switches, Safety Relays, Belt Alignment

PCC is also an Authorized Distributor for the following vendors:

- Antaira
- Aperam
- Binder
- Carlo Gavazzi
- Dunkermotoren
- EDrive
- EXM
- Fibox
- GAM
- Grace Technologies
- Hammond Mfg.
- HellermannTyton
- Helmholtz
- JLT Mobile
- KnorrTec
- Larco
- Led2Work
- LS Electric
- Meltric Corporation
- Mersen
- Micron
- PR Electronics
- ProSoft
- Qlight
- Rollon
- Socomec
- Softing
- Tele
- TCI
- Velox
- Weintek
- Yaskawa

## WIRE & CABLE



### Harness / Specialty Assemblies

There is a demand for unique interconnect systems in many industries today. Empire is recognized as a superior manufacturer of wire harnesses and specialty assemblies.

Our knowledgeable staff can assess your needs to get the fit, form and function needed out of your assembly. We use products like shrink wrap, expando, tape wrap, spiral wrap, and convolute to make an assembly more manageable and withstand different environments. Empire has the capability to dye and stripe wire in house. This allows us to match a color code provided by the customer. We get the most out of your assembly while maintaining an effective cost.

### Overmold

Overmolding is ideal for cable assemblies that will face extreme weather, high-pressure wash-downs, constant sanitation, frequent strain and flexing, and exposure to dust or debris, while maintaining reliability. The most common applications overmolding is preferred include solar energy, military equipment, consumer electronics, medical equipment and industrial/OEM applications.



**Molded strain relief can be engineered to your exact application, specific flexing or routing needs.** The entire process is completed in house. Your custom molded product will have a professional appearance and can utilize your logo, part number, etc. There are a variety of molded materials, ensuring a suitable fit for your specific application.

## Multiple Markets – One GCG!

GCG serves 30 unique markets through our 3 specialized segments.

Visit [gogcg.com](http://gogcg.com) For More Information



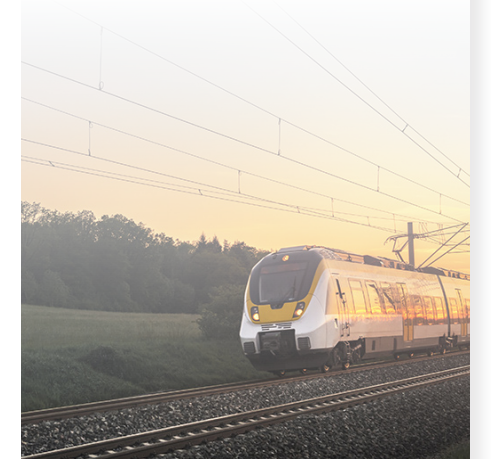
Distribution Centers  
Manufacturing  
Healthcare  
Food & Beverage



Telecom  
Broadband  
Wireless  
Data Centers  
Building Automation



Navy / Marine  
Rail & Transit  
Infrastructure  
Aerospace & Defense  
Contract Manufacturers  
OEM Equipment







# INNOVATION THROUGH **AUTOMATION**

[gogcg.com/automation](http://gogcg.com/automation)



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