



**AUTOMATION  
& FACTORY  
SOLUTIONS**

## **Product Line Cards**

**INNOVATION  
THROUGH  
AUTOMATION**



# Innovation Through Automation

**GCG Automation & Factory Solutions** consists of leaders in industrial automation: Advanced Controls & Distribution (ACD), Adcon Engineering, C&E Advanced Technologies, Empire, Neff Power, and Professional Control Corporation (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.

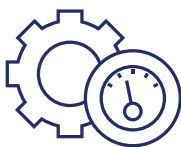
**Empire** is an innovative manufacturer of custom cable assemblies and distributor of automation, cable, electrical, and safety products.

**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.

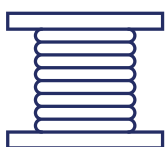
**Neff Power** is a distributor of robotics, motion controls, sensors, safety, vision, machine framing, pneumatics, hydraulics and other products from leading global manufacturers.



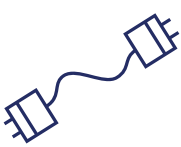
connectivity



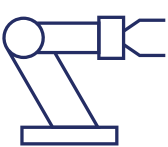
automation & control




wire & cable



cable assemblies



robot dress



safety solutions





ADVANCED  
CONTROLS &  
DISTRIBUTION

A GCG COMPANY

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

724-741-8200

acdist.com



A GCG COMPANY

**Middleburg Heights, OH**

440-238-3915

adconengineering.com



C&E ADVANCED  
TECHNOLOGIES

A GCG COMPANY

**Miamisburg, OH  
Nashville, TN**

800-228-2790

ceadvancedtech.com



A GCG COMPANY

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

248-853-6363

empirewc.com



A GCG COMPANY

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

855-727-6200

neffpower.com

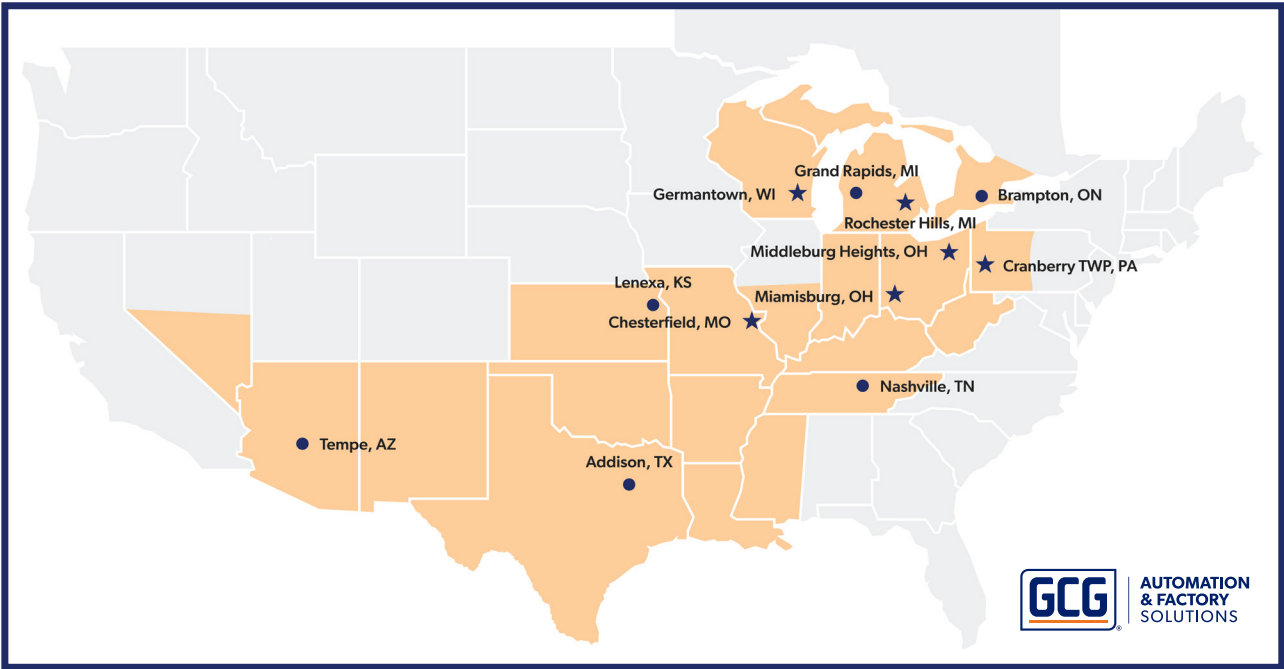


A GCG COMPANY

**Germantown, WI**

262-251-3000

pccweb.com





ADVANCED  
CONTROLS &  
DISTRIBUTION

A GCG COMPANY

**SIEMENS**

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



Enclosures, Power Distribution, Climate Control,  
IT Infrastructure



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



Safety Interlocks, CIP Safety & PROFI-safe Devices, RFID Badge Access,  
Operator Controls, Fluid Power, Light Curtain Safety



4D Vision for Robotic Automation



Terminal Blocks, Electronics & Interfacing Components



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



Structural Aluminum and Design Services



Robotic Solutions for Welding, Assembly, Material Handling,  
& Packaging



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



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



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

ACD is also an Authorized Distributor for the following vendors:

- |                         |                  |                     |                 |
|-------------------------|------------------|---------------------|-----------------|
| • Accutech              | • Coval          | • Hilscher          | • Meltric       |
| • Advanced Illumination | • CREE Lighting  | • Hubner            | • MTE           |
| • Akron Electric        | • Dynapar        | • Husky Rack & Wire | • On Robot      |
| • Atlas Lighting        | • Federal Signal | • Iboco             | • Pfannenber    |
| • Bender                | • FLIR           | • Lapp              | • Safe Connect  |
| • Carlo Gavazzi         | • Grace          | • Liebert           | • SICK Stegmann |
| • Cembre                | • Haewa          | • Macron Dynamics   | • Stahl         |
| • Cementex              | • HPS            | • Magswitch         | • Swivellink    |

**Adcon**  
Engineering

A GCG COMPANY



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



Structural Aluminum and Design Services



Autonomous Mobile Robots (AMRs)



Safety Interlocks, CIP Safety & PROFI-safe Devices, RFID Badge Access,  
Operator Controls, Fluid Power, Light Curtain Safety



Enclosures, Power Distribution, Climate Control, IT Infrastructure



Terminal Blocks, Electronics & Interfacing Components



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



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



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



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



4D Vision for Robotic Automation



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

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

- |                       |                 |                 |                       |
|-----------------------|-----------------|-----------------|-----------------------|
| • Altech Corp.        | • Dynapar       | • Maple Systems | • PULS                |
| • Apem                | • Electro Cam   | • Meltric       | • Red Lion            |
| • Apex Technology     | • Fuji Electric | • Mersen        | • Smart Vision Lights |
| • Carlo Gavazzi       | • Iboco         | • Migatron      | • Sprecher + Schuh    |
| • Contact Electronics | • Icotek        | • Opto 22       | • Swivellink          |
| • Coval               | • IDEC          | • Panasonic     | • Unitronics          |
| • Dinkle              | • Lapp          | • Patlite USA   |                       |

 <p>World Market Leader in: Automation, Drives, Motors, Industrial Controls, Switchgear</p>	 <p>Automation, Sensors, Machine Safety, Lighting &amp; Indicators, Machine Vision, Wireless Networks</p>
 <p>Sensors: Prox, Flow, Pressure, Connectivity, Encoders, I/O, RFID</p>	 <p>Pneumatics, Electric Drives, Process Automation Products</p>
 <p>Structural Aluminum and Design Services</p>	 <p>Robotic Solutions for Welding, Assembly, Material Handling, &amp; Packaging</p>
 <p>Safety Interlocks, CIP Safety &amp; PROFIsafe Devices, RFID Badge Access, Operator Controls, Fluid Power, Light Curtain Safety</p>	 <p>Enclosures, Power Distribution, Climate Control, IT Infrastructure</p>
 <p>Autonomous Mobile Robots (AMRs)</p>	 <p>Cable Management Systems Guiding, Protecting, Marking, Robotic Dress Packs, Cable Protection Conduit, Cable Routing/Retaining Systems</p>
 <p>Wire &amp; Cable, Power Management, Lighting, Tools &amp; Equipment</p>	 <p>Wire Partitions &amp; Cages, Pallet Rack Safety Systems, Machine Guarding, Protective Railings, Storage Lockers</p>

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

- |   |  |  |  |
|---|--|--|--|
| <ul style="list-style-type: none"> <li>Advanced Illumination</li> <li>Apera</li> <li>Brady Corporation</li> <li>Cooper Bussmann</li> <li>Coval</li> <li>Dinkle</li> </ul> | <ul style="list-style-type: none"> <li>Encoder Products Co.</li> <li>Essential Robot</li> <li>Fuji Electric</li> <li>HMS/eWON</li> <li>IDEC</li> <li>Joulin</li> </ul> | <ul style="list-style-type: none"> <li>JVL</li> <li>Koganei</li> <li>Kollmorgen</li> <li>Lapp</li> <li>Larco</li> <li>OnRobot</li> <li>Red Lion</li> </ul> | <ul style="list-style-type: none"> <li>ROEQ</li> <li>Schunk</li> <li>Smart Vision Lights</li> <li>Stober</li> <li>Swivellink</li> <li>Teledyne</li> <li>Tolomatic</li> </ul> |
|---|--|--|--|

 <p>World Market Leader in: Automation, Drives, Motors, Industrial Controls, Switchgear</p>	 <p>Automation, Sensors, Machine Safety, Lighting &amp; Indicators, Machine Vision, Wireless Networks</p>
 <p>Sensors: Prox, Flow, Pressure, Connectivity, Encoders, I/O, RFID</p>	 <p>Structural Aluminum and Design Services</p>
 <p>Wire &amp; Cable, Power Management, Lighting, Tools &amp; Equipment</p>	 <p>Wire Partitions &amp; Cages, Pallet Rack Safety Systems, Machine Guarding, Protective Railings, Storage Lockers</p>
 <p>Power &amp; Control Cable, Data Communication Cable, Systems</p>	 <p>Linear Rails, Telescopic Slides, Actuators, Actuator Systems</p>
 <p>Industrial, Heavy Duty, &amp; Interface Connectors, System Cabling, Tools</p>	 <p>4D Vision for Robotic Automation</p>
 <p>Terminal Blocks, Electronics &amp; Interfacing Components</p>	 <p>Relays, Sockets, Switches, PLCs, HMI Interfaces, Power Supplies</p>

Empire is also an Authorized Distributor for the following vendors:

- |  |  |  |   |
|--|--|--|---|
| <ul style="list-style-type: none"> <li>Alphawire</li> <li>Amphenol</li> <li>Apex Dynamics</li> <li>Belden</li> <li>Chalfant</li> <li>Coleman Cable</li> <li>Coval</li> </ul> | <ul style="list-style-type: none"> <li>Draka</li> <li>General Cable</li> <li>Hammond Mfg.</li> <li>Helukabel</li> <li>Mersen</li> <li>Molex</li> <li>MP Husky</li> </ul> | <ul style="list-style-type: none"> <li>Pepperl+Fuchs</li> <li>Pfannenberg</li> <li>Pizzatto</li> <li>Reiku</li> <li>SAB</li> </ul> | <ul style="list-style-type: none"> <li>Sealcon</li> <li>Tosibox</li> <li>Voyten</li> <li>Wengler</li> <li>Wirecrafters</li> </ul> |
|--|--|--|---|

<div>SIEMENS</div> <div>World Market Leader in:</div> <div>Automation, Drives, Motors, Industrial Controls, Switchgear</div>	<div>  <div>80/20</div> <div>BUILD YOUR IDEA</div> </div> <div>Structural Aluminum and Design Services</div>
<div>  </div> <div>*available in MO, KS, IL, AZ, NM</div> <div>Sensors: Prox, Flow, Pressure, Connectivity, Encoders, I/O, RFID</div>	<div>  </div> <div>stay connected</div> <div>*available in TX, AR, OK, LA</div> <div>Fieldbus Network Systems, Cordsets, Power Management</div>
<div>  </div> <div>Robotic Solutions for Welding, Assembly, Material Handling, &amp; Packaging</div>	<div>SICK</div> <div>Sensors, Safety Light Curtains/Laser Scanners, Bar Code, RFID</div>
<div>  </div> <div>Safety Interlocks, CIP Safety &amp; PROFIsafe Devices, RFID Badge Access, Operator Controls, Fluid Power, Light Curtain Safety</div>	<div>  </div> <div>Autonomous Mobile Robots (AMRs)</div>
<div>  </div> <div>Cartesian and SCARA Robots, Electric Cylinders</div>	<div>  <div>Southwire®</div> </div> <div>Wire &amp; Cable, Power Management, Lighting, Tools &amp; Equipment</div>
<div>  </div> <div>Industrial, Sanitary and Automation Precision Conveyors</div>	<div>  </div> <div>HSB Linear Actuators, Pneumatic &amp; Electric Grippers</div>

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

- |  |  |   |   |
|--|--|---|---|
| <ul style="list-style-type: none"> <li>• Apera</li> <li>• Atos Hydraulics</li> <li>• Aventics/Emerson /Numatics</li> <li>• Belden</li> <li>• Bucher Hydraulics</li> <li>• Coval</li> </ul> | <ul style="list-style-type: none"> <li>• Denso Robotics</li> <li>• DieQua Corporation</li> <li>• Dinkle</li> <li>• Gems Sensors</li> <li>• Hawe Hydraulics</li> <li>• Kollmorgen</li> <li>• Macron Dynamics</li> </ul> | <ul style="list-style-type: none"> <li>• Micromatic</li> <li>• Murrplastik</li> <li>• OnRobot</li> <li>• Patlite</li> <li>• PULS</li> <li>• Schmersal</li> <li>• Secomea</li> </ul> | <ul style="list-style-type: none"> <li>• Swivellink</li> <li>• Tolomatic</li> <li>• Thomson</li> <li>• Versa Valves</li> <li>• Weidmuller</li> <li>• Weintek</li> </ul> |
|--|--|---|---|

<div>SIEMENS</div> <div>World Market Leader in:</div> <div>Automation, Drives, Motors, Industrial Controls, Switchgear</div>	<div>  </div> <div>Machine Tending, Secondary Operations, Assembly, Inspection, Finishing, Dispensing, Material Handling</div>
<div>  </div> <div>Structural Aluminum and Design Services</div>	<div>  </div> <div>Robotic Solutions for Welding, Assembly, Material Handling, &amp; Packaging</div>
<div>  </div> <div>Fieldbus Network Systems, Cordsets, Power Management</div>	<div>  </div> <div>PLC Based Motion Control, Integrated Stepper Solutions, Stepper Controllers, Stepper Drives, Stepper Motors</div>
<div>  </div> <div>Filter fans, Cooling, Heat Exchangers, Chillers, Water to Water Heat Exchangers, Horns, Sirens &amp; Sounders</div>	<div>Leuze</div> <div>Sensors, Safety Light Curtains/Laser Scanners, Bar Code, RFID, Positioning Systems, Optical Data Transmission</div>
<div>  </div> <div>Servomotor Gearboxes, Gearheads &amp; Speed Reducers, Inline/Right Angle Geared Motors, Precision Planetary Gearboxes</div>	<div>  </div> <div>Terminal Blocks, Signal Conditioning, Power Supplies, Surge Protection, Industrial Ethernet Switches</div>
<div>  </div> <div>Industrial, Sanitary and Automation Precision Conveyors</div>	<div>  </div> <div>Cable Carriers, Energy Chains, Continuous Flex Cables, Drive Cables, Pre-harnessed Cable Carriers, Energy Supply Systems for Robots, Joint Kits for Robots</div>

PCC is also an Authorized Distributor for the following vendors:

- |   |   |  |   |
|---|---|--|---|
| <ul style="list-style-type: none"> <li>• Antaira</li> <li>• Apera</li> <li>• Aplex</li> <li>• Binder</li> <li>• Carlo Gavazzi</li> <li>• Dinkle</li> <li>• EDrive</li> <li>• EXM</li> </ul> | <ul style="list-style-type: none"> <li>• Grace Technologies</li> <li>• Hammond Mfg.</li> <li>• Helmholz</li> <li>• IDEM</li> <li>• JLT Mobile</li> <li>• KnorrTec</li> <li>• Larco</li> <li>• Led2Work</li> </ul> | <ul style="list-style-type: none"> <li>• LS Electric</li> <li>• Meltric Corporation</li> <li>• Mersen</li> <li>• Micron</li> <li>• Pizzato</li> <li>• PR Electronics</li> <li>• ProSoft</li> <li>• Qlight</li> </ul> | <ul style="list-style-type: none"> <li>• Rollon</li> <li>• Socomec</li> <li>• Softing</li> <li>• TCI</li> <li>• TR Electronic</li> <li>• Velox</li> <li>• Weintek</li> <li>• Yaskawa</li> </ul> |
|---|---|--|---|

## 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 Choice



### AUTOMATION & FACTORY SOLUTIONS

Automotive	Material Handling
Food & Beverage	Mobile Equipment
Pharmaceuticals	Oil & Gas
Metals	



### CONNECTIVITY & POWER SOLUTIONS

Contract Manufacturing	Rail/Transit
Smart Building/ Building Automation	OEM Manufacturing
Defense	Power and Battery
	Marine/Ship Building



### DATA CENTERS

Cloud Data Centers	Hyperscale
Colocation Data Centers	
Multi-Tenant Data Centers	
Artificial Intelligence	



### CUSTOM ENGINEERED SOLUTIONS

Datcom	Pump
Industrial OEM	Renewable Energy
Irrigation	Utilities
Precision Ag	Telcom & Broadband

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



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SOLUTIONS**