



ADVANCED  
CONTROLS &  
DISTRIBUTION



C&E ADVANCED  
TECHNOLOGIES



## 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 and Empire. Our customers throughout Western Pennsylvania, Ohio, West Virginia, Michigan, Indiana, Kentucky, and Tennessee 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.

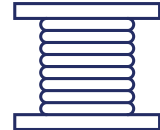
**Empire** is an innovative manufacturer of custom cable assemblies and distributor of automation, cable, electrical, and safety products.



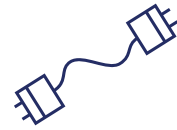
connectivity



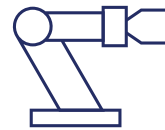
automation & control



wire & cable



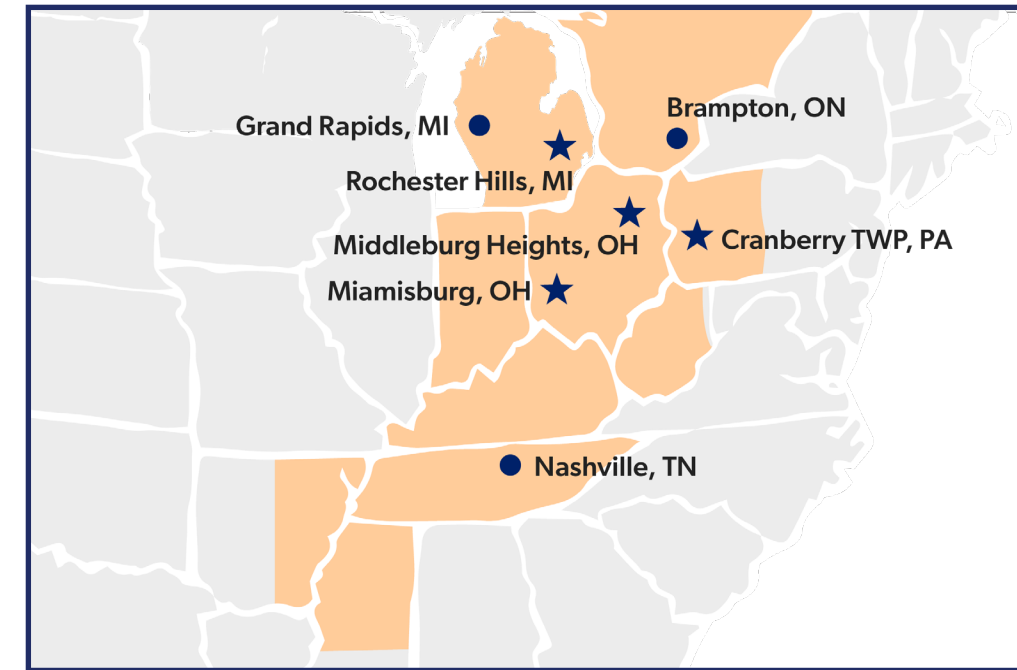
cable assemblies



robot dress



safety solutions



### Cranberry Twp., PA

724-741-8200  
20800 Route 19  
Cranberry Twp., PA 16066

### Middleburg Heights, OH

440-238-3915  
6950 Engle Road, Suite XX  
Middleburg Heights, OH 44130



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440-238-3915  
6950 Engle Road, Suite XX  
Middleburg Heights, OH 44130



### Miamisburg, OH

800-228-2790  
2400 Technical Drive  
Miamisburg, OH 45342

### Nashville, TN

615-942-6869  
1854 Air Lane Dr, STE 20  
Nashville, TN 37210



### Rochester Hills, MI

248-853-6363  
2119 Austin Ave.  
Rochester Hills, MI 48309

### Grand Rapids, MI

616-583-1478  
2960 S. Wilson Ct.  
Grand Rapids, MI 49534

### Brampton, Ontario

905-671-6480  
6 Melanie Dr.  
Brampton, ON L6T 4K9



ADVANCED  
CONTROLS &  
DISTRIBUTION

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



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



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



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



Enclosures, Power Distribution, Climate Control,  
IT Infrastructure



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



Compact Robots, Collaborative Robots, Medium & Heavy Payload  
Robots, SCARA Robots, Flexible 7-axis Robots,  
Ultra-High Speed Robots



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



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



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



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



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



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

ACD is also an Authorized Distributor for the following vendors:

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



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



Automation, Sensors, Machine Safety, Wireless Solutions,  
Lighting



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



Enclosures, Power Distribution, Climate Control, IT  
Infrastructure



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



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



Panel Meters, Counters, HMI Operator Interfaces, Networking



HMI Operator Interfaces, Industrial Computers



Encoders: Rotary, Absolute, Heavy Duty, Linear



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



Solid State Relays, Sensors, Controls, Energy Monitoring



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



Solid State Relays, I/O Modules, PAC Ethernet Control,  
Software

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

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



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

## SIEMENS

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

## BANNER®

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

## TURCK

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

## FESTO

Pneumatics, Electric Drives, Process Automation Products

## MIR

MOBILE INDUSTRIAL ROBOTS

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

## YASKAWA

MOTOMAN ROBOTICS

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

## FORTRESS

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

## RITTAL

Enclosures, Power Distribution, Climate Control, IT Infrastructure

## KOLLMORGEN

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

## murrSystems®

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

## red ipn®

Panel Meters, Counters, HMI Operator Interfaces, Networking

## 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
- Brady Corporation
- Cooper Bussmann
- Encoder Products Co
- Essential Robot
- Fuji Electric
- HMS/eWON
- IDEC
- Joulin
- JVL
- Koganei
- Larco
- Magswitch
- OnRobot
- ROEQ
- Schunk
- Smart Vision Lights
- Stober
- Swivellink
- Techman Robots
- Teledyne
- Tolomatic

Automation & Control • Connectivity / Wire & Cable • Mechatronics

## SIEMENS

Automation, Drives, Industrial Controls, Industrial Communication, Identification Systems, PC-Based Automation, Power Supplies

## BANNER®

Automation, Sensors, Machine Safety, Wireless Solutions, Lighting

## TURCK

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

## molex®

Cables, Cable Assemblies, Connectors, Edgecards, Sockets

## WireCrafters

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

## Southwire®

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

## ROLLON®

BY TIMKEN

Linear Rails, Telescopic Slides, Actuators, Actuator Systems

## TOSIBOX®

Industrial OT Network Security, Remote Network Connections

## HARTING

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

## LAPP

Power & Control Cable, Data Communication Cable, Systems

## IDEC

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

## SAB

North America

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

Empire is also an Authorized Distributor for the following vendors:

- Alphawire
- Amphenol
- Apex Dynamics
- Belden
- Chalfant
- Coleman Cable
- CommScope
- Dinkle
- Draka
- General Cable
- Hammond Manufacturing
- Helukabel
- Mersen
- MP Husky
- Niedax
- Pepperl+Fuchs
- Pfannenburg
- Pizzato
- Reiku
- Sealcon
- Voyten
- Wengler
- Wirecrafters

## 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.



Genuine Cable Group (GCG) is a major value-added distributor of wire, cable, and related products to a variety of niche markets through well-known brands in the following segments:

 <p>Distribution Centers Manufacturing</p> <p>Food &amp; Beverage Healthcare</p>	 <p>Commercial Institutional Retail</p> <p>Industrial Building Automation</p>
   	
 <p>Telecom/Broadband Consumables Wireless</p> <p>Wireline Data Centers</p>	 <p>Navy / Marine Rail &amp; Transit Infrastructure</p> <p>Aerospace &amp; Defense Contract Manufacturers OEM Equipment</p>
  	   

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





### GCG Mission

At GCG our mission is to make connections possible. We will utilize our knowledge and expertise to offer our customers the right wire, cable and related products they need to create connections among everyone, everywhere.



### GCG Vision

Our vision is to be the preferred source in every one of our market segments, known for being service-oriented, quick, nimble and adaptive, and focused on exceeding our customers' expectations.



### GCG Values

Everything we do is guided by our core values of integrity, ethics and respect for customers, fellow associates, and supplier partners.



# AUTOMATE. INNOVATE. SUCCEED.

GCG Automation provides innovative products and solutions for customers in a wide range of markets.







# INNOVATION THROUGH **AUTOMATION**



ADVANCED  
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C&E ADVANCED  
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