

AUTOMATION

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









cable assemblies



robot dress



safety solutions





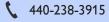
Cranberry Twp., PA, Middleburg Heights, OH



acdist.com



Middleburg Heights, OH



adconengineering.com



Miamisburg, OH Nashville, TN

800-228-2790

(iii) ceadvancedtech.com



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

PCC &

Germantown, WI

262-251-3000

pccweb.com





A GCG COMPANY

SIEMENS

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



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



4D Vision for Robotic Automation



Structural Aluminum and Design Services

DOOSAN

Collaborative Robots from 5kg to 25kg



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



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



Cable Management Systems

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



Enclosures, Power Distribution, Climate Control, IT Infrastructure



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



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



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

- Coval
- CREE Lighting
- Dynapar
- Federal Signal
- FLIR
- Fortress
- Grace
- Haewa

- HPS
- Hilscher
- Hubner
- Husky Rack & Wire
- Iboco
- Liebert
- Macron Dynamics
- Magswitch

- Meltric
- MTE
- On Robot
- Pfannenberg
- Safe Connect
- SICK Stegmann
- Stahlin
- Swivellink



A GCG COMPANY

BANNER

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



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



Structural Aluminum and Design Services



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



Autonomous Mobile Robots (AMRs)



Collaborative Robots from 5kg to 25kg



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



Cable Management Systems

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



Enclosures, Power Distribution, Climate Control, IT Infrastructure



HMI Operator Interfaces, Industrial Computers



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

Panasonic

Solid State Relays, Sensors, Controls, Energy Monitoring

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

Altech Corp.

Aplex Technology

Contact Electronics

Carlo Gavazzi

Apem

• Apera

Dynapar

Coval

- Electro Cam
- Fuji Electric
- Iboco
- Icotek

• IDEC

Meltric

- PULS
- Mersen
- Migatron

• Opto 22

- Swivellink
- Unitronics

Red Lion

• Smart Vision Lights

• Sprecher + Schuh

- Patlite USA



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SIEMENS

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



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



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



Pneumatics, Electric Drives, Process Automation Products



Autonomous Mobile Robots (AMRs)



Robotic Solutions for Welding, Assembly, Material Handling,

& Packaging



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



Collaborative Robots from 5kg to 25kg



Structural Aluminum and Design Services



Cable Management Systems

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



Enclosures, Power Distribution, Climate Control, IT Infrastructure

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
- Apera
- Brady Corporation
- Cooper Bussmann
- Coval
- Encoder Products Co.

- Essential Robot
- Fuji Electric
- HMS/eWON
- IDEC
- loulin
- IVL

- Koganei
- Kollmorgen
- Larco
- OnRobot
- Red Lion
- ROEQ

- Schunk
- Smart Vision Lights
- Stober
 - Swivellink
 - Teledyne
- Tolomatic



SIEMENS

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

TURCK

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



Cables, Cable Assemblies, Connectors, Edgecards, Sockets



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

WireCrafters

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



Structural Aluminum and Design Services

ROLLON

Linear Rails, Telescopic Slides, Actuators, Actuator Systems



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



Power & Control Cable, Data Communication Cable, Systems



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



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

Empire is also an Authorized Distributor for the following vendors:

- Alphawire
- Amphenol
- Apera
 - Apex Dynamics
- Belden
 - Chalfant

- Coleman Cable
- Coval
- Dinkle
- Draka
- General Cable
- Hammond Mfg.

- Helukabel
- Mersen
- MP Husky
- Pepperl+Fuchs
- Pfannenberg
- Wengler Wirecrafters

• Reiku

Sealcon

Tosibox

Voyten

- Pizzatto



A GCG COMPANY

SIEMENS

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



Structural Aluminum and Design Services



*available in MO, KS, IL, AZ, NM

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



Fieldbus Network Systems, Cordsets, Power Management



Autonomous Mobile Robots (AMRs)



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



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



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



Cartesian and SCARA Robots, Electric Cylinders



Collaborative Robots from 5kg to 25kg



Industrial, Sanitary and Automation Precision Conveyors



HSB Linear Actuators, Pneumatic & Electric Grippers

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

- Apera
- Atos Hydraulics
- Aventics/Emerson /Numatics
- Belden
- Bucher Hydraulics
- Coval
- Denso Robotics

- DieQua Corporation
- Gems Sensors
- Hawe Hydraulics
- Hirschmann
- Kollmorgen
- Laurel Electronics
- Lumberg Automation
- Macron Dynamics

- Madison
- Micromatic
- NSK
- OnRobot
- Patlite
- Pro-face
- PUIS Schmersal

- Secomea
- Swivellink
- Tolomatic
- Thomson
- Versa Valves
- Weidmuller
- Weintek
- Wilkerson



SIEMENS

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



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



Structural Aluminum and Design Services



Collaborative Robots from 5kg to 25kg



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

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



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

Leuze

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



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



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

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

PCC is also an Authorized Distributor for the following vendors:

- Antaira
- Apera
- Binder
- Carlo Gavazzi
- Dunkermotoren
- EDrive
- EXM
- Fibox

- Grace Technologies
- Hammond Mfg.
- Helmholz
- IDEM
- ILT Mobile
- KnorrTec
- Larco
- Led2Work

- LS Electric
- Meltric Corporation
- Mersen
- Micron
- PR Electronics
- ProSoft
- Qlight
- Rollon
- Weintek Yaskawa

Velox

• Socomec

• TR Electronic

Softing

• Tele

• TCI

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 For More Information

AUTOMATION & FACTORY SOLUTIONS (AFS)

Distribution Centers Electric Vehicles Food & Beverage Healthcare Manufacturing



COMMUNICATIONS & NETWORK SOLUTIONS (CNS)

Broadband & Telecom Building Automation Data Centers Data Comm / Utilities Wireless



CONNECTIVITY & POWERSOLUTIONS (CPS)

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





Paige Provides Custom Solutions for Customers Across GCG



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AUTOMATION