



**CIM**  
A Division of M.C. DEAN

M.C. Dean, Inc. is one of the nation's premier engineering and integration providers for complex electrical, electronic, and telecommunication systems.

M.C. Dean, Inc. serves Fortune 1,000 corporations; universities; high tech and biotech firms; Federal; state, and local government clients; and other organizations with large scale, complex, and mission-critical infrastructure needs.

Established in 1949, M.C. Dean, Inc. has earned a reputation as an innovator and pioneer. M.C. Dean, Inc. is headquartered in Dulles, Virginia and employs more than 1,800 professionals in offices throughout the Eastern United States, Europe and the Middle East.

The CIM Automation Systems division of M.C. Dean provides engineering and manufacturing related services for its clients ranging from professional consulting to turnkey installations.

CIM Automation Systems is a control systems integrator providing industrial control solutions based on state-of-the-art hardware and software. CIM Automation Systems offers complete solutions including: conceptual design, various Programmable Logic Control (PLC) hardware, control panel design & wiring, software development and testing, system implementation, and personnel training. CIM Automation Systems identifies and provides practical solutions that allow manufacturers to achieve control of production, quality and costs.

CIM Automation Systems is dedicated to working with those manufacturers who do not have sufficient staff, experience, or time to undertake control systems development alone. We work with our clients to combine their extensive knowledge of the process with our expertise in controls. Our goal is to help clients overcome obstacles and build a realistic growth plan. This plan is executed with care to maximize production efficiency and quality, operator ease of use, and system integrity.

### Capabilities, Services & Markets

We identify areas in which clients can simplify their manufacturing processes in order to increase efficiency, reduce labor requirements, and improve profitability. We evaluate the client's current control systems and design improved systems for advanced control according to the client's timetable and budget. Some of the specific services that we provide include:

#### CIM Services

- PLC systems design, programming, and documentation
- Drives systems design and motion systems design
- Recipe/batching system design
- Supervisory control and data acquisition systems
- Color graphics and touch screen machine interfaces
- Historical data collection/database management
- Custom software development using BASIC, JAVA, and C/C++
- Control panel design
- System start-up, calibration, and maintenance services
- Complete preparation of electrical schematics
- Technical writing and documentation services





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**M.C. Dean Services**

- Complex power systems
- Electronic security, surveillance, and life safety systems
- Automation and complex control systems
- Optical networking and operational support systems (OSS)
- C4ISR Systems and centers



Services	Markets
<ul style="list-style-type: none"> <li>• Electrical power systems design</li> <li>• Electrical control panel design</li> <li>• Electrical panel assembly and wiring</li> <li>• Machine control wiring</li> <li>• Turnkey system installation</li> <li>• Electrical system troubleshooting</li> <li>• Electrical system modification</li> <li>• Electrical system testing</li> </ul>	<ul style="list-style-type: none"> <li>• Aggregates</li> <li>• Chemicals</li> <li>• Converting</li> <li>• Corrections</li> <li>• Fibers</li> <li>• Food and Beverage</li> <li>• Metals</li> <li>• Mining</li> <li>• Metals</li> <li>• Packaging</li> <li>• Pharmaceuticals</li> <li>• Plastics</li> <li>• Printing</li> <li>• Security</li> <li>• Textiles</li> <li>• Waste Water</li> <li>• Water</li> </ul>

At CIM Automation Systems, we ask our clients to regard us as a resource that they may draw upon whenever the need arises. We offer both short and long-term working relationships depending on each client's needs. Often times the hardest step in industrial automation is the first one. We believe that Computer Integrated Manufacturing (CIM) must be implemented with a plan in mind from the factory floor up through management. We want to build a partnership with our clients in order to achieve the most efficient manufacturing operations possible. By contacting CIM Automation Systems you can take the first step towards making this goal come true.

**Applications Experience**

The skills of CIM Automation Systems' technical staff provide the client with many years of experience with industrial control applications. Our engineering staff is familiar with packages such as Access, Excel, and AutoCAD in addition to various industrial control software packages. CIM Automation Systems has Master Electricians on staff to perform machine and termination wiring. By relying on basic control concepts as they apply to all processes rather than industry-specific solutions, CIM Automation Systems is able to provide its clients with innovative solutions in a variety



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of application areas. Recent automation projects have encompassed pharmaceutical packaging, batch blending, real-time material tracking, automotive component flocking, liquid chromatography, information & imaging technology, material handling, power management, quarry operations, agribusiness, waste treatment, and airfield lighting.

#### Control Products Used

As an independent systems integrator, we do not formally distribute or represent any software or hardware products. However, our previous project work has allowed us to become knowledgeable about products from the following vendors:

#### Programmable Logic Controllers / Industrial Computers:

- Allen-Bradley
- GE Fanuc
- DeltaV
- Modicon
- Reliance Electric
- Koyo
- Siemens / TI
- Square D
- Omron

#### Data Acquisition and Human-Machine Interface Software Packages:

- Wonderware InTouch / FactorySuite
- GE Fanuc CIMPLICITY HMI
- Allen-Bradley RSVIEW32
- Allen-Bradley ControlView
- Intellution Dynamics iFIX
- Intellution FIX DMACS
- U.S. Data FactoryLink
- Iconics GENESIS

#### Operator Interface Terminals:

- Xycom Softscreen
- Siemens
- PanelView
- Nematron
- PanelMate
- TCP Smartscreen
- Uticor

#### Proud Partnerships

CIM Automation Systems is proud to be partnered with Siemens, the global leader in industrial automation, and with CCA, an industrial automation products leader, to bring you the complete package of support called Totally Integrated Automation.

#### How Can CCA/WESCO Help You?

Control Corporation of America (CCA) has been focused on industrial automation products since 1979. CCA has been a division of WESCO Distribution, Inc. since early 2000.

WESCO is a Fortune 500 distributor of electrical and general MRO products. Formed in 1922, WESCO has 350 full-service Branches, 5,200 skilled employees, and five high-tech Distribution Centers that provide over 1,000,000 products to more than 100,000 customers worldwide. As a member of WESCO's Family of Companies, CCA can supply all your electrical and general MRO product needs.

#### For more information please contact:

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