



## Customization, Programming & Design Automation Services

From simple customization of your CAD software all the way to a complete design automation solution, we can take your company productivity to new heights.

### Our expertise can help you:

- Automate repetitive tasks
- Improve the ease of use and user acceptance of your current systems
- Ensure all company personnel are performing work consistently and to the same standards
- Cut the amount of time it takes to perform individual tasks and complete projects
- Reduce errors
- Capture and distribute critical knowledge throughout the organization
- Eliminate re-keying of redundant information into multiple systems
- Tie together multiple in-house systems and databases

### Design automation solutions automatically produce:

- Sales proposals
- Proposal drawings and 3D images
- Complete engineering drawings and designs
- Material lists and bills of material
- Cost estimates
- Routing sheets
- Output for other company business systems or databases
- Any other related documents or data

### Consulting and programming services:

- Pre-sale scoping and analysis
- Technology selection
- System architecture and design
- Project management
- Software development
- AutoCAD® customization
- Training and mentoring of your internal staff on computer programming
- Ongoing application development support
- Computer hardware and operating systems
- Networking hardware and software
- Internet technologies and platforms

### Our areas of expertise include:

- AutoCAD (all flavors), Autodesk® Inventor™, AutoCAD Revit® and AutoCAD Civil 3D®
- AutoCAD OEM and RealDWG
- Visual Basic, VBA and VB.Net
- AutoLisp
- Microsoft Office
- Microsoft Access and SQL Server
- Web development

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**Hagerman & Company, Inc.**  
Consulting Services



For a formal proposal tailored to your needs, please contact your local Hagerman & Company office.

## CORPORATE OFFICE & SERVICE CENTER

505 Sunset Ct  
Mt. Zion, IL 62549  
p 217 864.2326 f 217 864.2281

## A TRACK RECORD OF SUCCESS

### Hagerman & Company's successful design automation projects have allowed:

- A manufacturer of storage cabinets to automatically complete assembly and part designs, sheet metal flat blanks, generate bills of material and pass them to its ERP system eliminating mistakes and multiple entry of the same data
- A manufacturer of refrigeration control valves to develop an automated CAD tool to be sent out to its customers giving them the capability to configure and draw valve assemblies and place them into their system layouts
- The field sales staff and distributors of a manufacturer of moveable partitions for schools, convention centers, churches, etc. to automatically generate proposal drawings and quotes and synchronize all data with the home office
- A manufacturer of bleacher and other seating systems to cut its turn around time for quotes and submittal drawings from up to (2) weeks to approximately (1) hour and its labor time per proposal from hours to minutes thus freeing up engineers' time in order to develop new and better products and systems
- A manufacturer of emergency vehicles to automatically generate proposal drawings incorporating a nearly infinite variety of vehicle options

### Examples of some of our other successful projects include:

- Developing custom Autodesk menu's and symbol libraries for many different clients and applications
- Helping numerous customers upgrade their existing AutoCAD® customizations to be compatible with new versions of AutoCAD
- Automatic batch processing software to allow customers to make mass changes and updates to current AutoCAD drawings
- Automated software to assist a manufacturer of lawn and garden equipment to process accounts payable more efficiently and interface with its ERP system
- Helping numerous customers pass item and bill of material information bi-directionally between CAD, MS-Office, PDM and ERP systems
- Developing solutions to assist numerous companies in processing ECO's more efficiently including both local and remote users (via the web), sending e-mail notifications, parallel approvals, due dates, reminders, warnings, and logging of audit trails
- Custom software for a large AEC firm to automate the setup and enforcement of CAD standards throughout the organization
- Software to read work orders output from an ERP system in order to automatically batch print all drawings required by manufacturing personnel in the shop for production

## Regional Offices

### CALIFORNIA

Anaheim, California  
p 714 579.0295 f 714 993.2350  
Glendale, California  
p 818 240.2422 f 818 553.8010  
Sacramento, California  
p 916 564.3518 f 916 564.3829  
San Diego, California  
p 619 696-0691 f 619 696-0624  
San Jose, California  
p 408 235.8675 f 408 970.4603  
San Ramon, California  
p 925 556-0500 f 925 973.0414

### ILLINOIS

Chicago, Illinois  
p 312 469.6972 f 312 469.6956  
Schaumburg, Illinois  
p 847 995.0639 f 847 995.0946

### INDIANA

Indianapolis, Indiana  
p 317 594.9887 f 317 594.0548  
Evansville, Indiana  
p 812 471.2926 f 812 471.9540  
Mishawaka, Indiana  
p 574 258.9430 f 574 243.0650

### KENTUCKY

Louisville, Kentucky  
p 502 327.5121 f 502 327.5051

### KANSAS

Overland Park, Kansas  
p 913 451.6289 f 913 663.2627

### MISSOURI

St. Louis, Missouri  
p 314 993.8083 f 314 993.2067

### OHIO

Cincinnati, OH  
p 513 769.0100 f 513 769.3100

### TENNESSEE

Brentwood, Tennessee  
p 615 244.7611 f 615 370.5466

Knoxville, Tennessee  
p 865 539.2817 f 865 539.6492

Memphis, Tennessee  
p 901 761.2699 f 901 818.3877

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