



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



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

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

Locations

ALABAMA

Birmingham . . . 205 444.3100
Huntsville 205 444.3100
Mobile 251 434.8981

CALIFORNIA

Anaheim 714 579.0295
Glendale 818 240.2422
Sacramento . . 916 564-3518
San Diego 619 696-0691
San Jose 408 235.8675
San Ramon . . . 925 556-0500

GEORGIA

Kennesaw 404 733.0303

ILLINOIS

Chicago 312 469.6972
Mt. Zion 217 864.2326
Schaumburg . . 847 995.0639

INDIANA

Evansville 812 471.2926
Indianapolis . . 317 594.9887
Mishawaka . . . 574 258.9430

KANSAS

Overland Park . . 913 663.2627

KENTUCKY

Louisville 502 327.5121

MISSISSIPPI

Jackson 601 360.2282

MISSOURI

St. Louis 314 993.8083

OHIO

Cincinnati 513 769.0100

TENNESSEE

Brentwood 615 244.7611
Knoxville 865 539.2817
Memphis 901 761.2699

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