

Mike Mills

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Career Highlights

- Solid background in design, layout and detail for products and special machinery.
- A consistent track record of anticipating consequences of new designs, initiating solutions, and completing projects to specification in the first attempt.
- Detail driven with outstanding communication skills and proven success interfacing with both customers and co-workers.
- Expertise interfacing and working with customers of different cultures in many different countries.
- Self motivated professional, capable of working independently or as part of a team.

Professional Experience:

Owner

Lo Meister Graphics (A multi-faceted company)

June – 2010 to current

- Contract engineering for local firms. Conduct engineering site surveys, design of machinery to simply making detail drawings and b/m's from hand sketches. A broad range service company.
- Create vector artworks for advertising using Illustrator CS5.
- Sale athletic equipment and services to Universities, High Schools and Middle Schools.

Project Engineer

Controls Group Inc.

Jan - 2003 to April - 2010

Rockford, IL.

- A typical project begins by traveling to a customer's site and conducting an engineering site survey, be they in the U.S., Canada or Europe.
- Conduct meetings with the maintenance department, production personnel and in house or corporate engineers.
- Design the Fluid panel, Mechanical equipment and assisted in the design layout of the Control/Power enclosures as a support for the electrical/electronic design team.
- Design of Sheet metal Control/Power enclosures, Operator touch screen panels, Operator control Consoles, guards, drip pans and many varies use sheet metal components.
- Generate installation drawings outlining the integration of the fluid panels, mechanical equipment, touch screens, control consoles and the electrical cabinets for use by our customers and the installation crews.
- On the O.E.M. side, meet with the manufacture at their facility to gather and communicate the necessary technical aspects of the project to move it forward. Design the Electrical and Mechanical equipment into the line and submit drawings to the customer for final approval.
- In all cases I would see the projects throughout the entire cycle from initial concept through successful completion.

Product Manager / Senior Mechanical Engineer

Baldwin Enkel Corporation

Jan –1998 to Dec – 2001

Machesney Park, IL.

- Hired on as a Senior Mechanical Engineer and after six months promoted to Product Manager.
- Product responsibility was Press Supporting Reel Stand. Project/order ranged in size from a \$.25 million to \$5.5 million.
- Conducted meetings with customers to determine the interface between the Press Supporting Reel Stand and the Printing Press, flooring, decking, support structure, automated paper threading system, pneumatics, electrical, and roll load systems, foundation and mezzanine connections. Once these issues were resolved I would generate Installation Layouts and any additional documentation necessary.
- Communicate the appropriate information and documentation to Amal AB (part of our division) in Sweden via e-mail. Amal supplied the Column & Beam Support Structure, Turret mechanics, Pneumatic and additional internal mechanical components for the Reel Stand. If any other issues arose, these would be resolved and finalized.

- Amal shipped these items to us for final assembly, with the addition of our Electronic, pneumatic and drive components. Then tested and shipped.
- Static loads displaced upon each of the Support columns varied between just a few tons to 43 tons. Installations were Seismic 1 through Seismic 4 in nature, located in South America and North America.
- Design the castings, beam and column support structure for the printing press and folder/s. Design the beam and column support structure for the pressroom level flooring and the floor (Deck) itself.
- Involved in other product lines, such as Infeed Modules, Turn Bars and Web-Over Structures.
- At Amal's request I assisted and consulted on the redesign of their Turret Rewind, and spent time in Sweden for the testing of the first machine.

Project Manager

WTI, Inc.

Dec – 1985 to Dec –1997

Rockford, IL.

- Supervised work of Mechanical engineers, designers and draftsman.
- Specific products manufactured were “Flying Pastors” of the Turret Rewind and Unwind type, Single Station Rewinds and Unwinds, Web Compensators, Slitter Modules, Infeed Modules, Web Guides, Roll Enhancers and custom equipment.
- Projects involved meeting with customer to determine equipment requirements and how to best install the equipment on existing printing presses or on new printing presses.
- Design of the equipment and submission of Installation/Product drawings to the customer for their approval prior to release to production.
- The use of hydraulic systems, pneumatic systems, spindles, ball screw actuators (typically of our own design), control enclosures/panels, A.C. and D.C. Drives, PLC's, Gearboxes (Miter, Bevel, Spur, Helical and Worm), belt drives, pneumatic and electric brakes were part of the equipment. Design and supplying of Sheet metal cabinets, covers and guards was also part of the equipment manufacturing process.
- Design the equipment, and generate all necessary documentation for release to production. Follow project through production and testing phase. On new products I would be on site for equipment installation and startup.
- Took service calls on existing installations, and in certain circumstances would travel to customer sight to trouble shoot and solve equipment related problems.
- Conducted training classes on the use of equipment either in house or on site.

Education

Rockvalley College (Engineering, Math & Science Courses) - Rockford, IL.

C.E.U.'s at Milwaukee School of Engineering – Milwaukee, WI.

Varies training classes and seminars.

Computer Skills

AutoCAD 2012 & various releases, Accugrah (UNIX based Cad), Illustrator CS5, Photo Shop, Excel 2010, Word 2010, Outlook, Power Point and many other types of software.