

About Us

About the Principal Engineer-Mel Moench

BORN:

January 31, 1950
Perham, Minnesota Farm

EDUCATION:

Coon Rapids Senior High School—1968
Anoka-Ramsey State Junior College—1969
Bachelors in Mechanical/Industrial Engineering,
University of Minnesota Institute of Technology—1972
Graduate work, Masters in Business Administration
St. Cloud State University—1974

LIFE'S WORK:

Registered Manufacturing Engineer—State of Minnesota
Extensive hands-on experience with many materials
Extensive prototyping/development work (modifications)
Over thirty years engineering experience Industrial/Mechanical/Manufacturing/Project/Design
Research skills with three important tools:

1. Telephone—ability to listen, talk, direct conversation, understand, and communicate on the phone.
2. Thomas Registers
3. McMaster-Carr Catalog

Currently living near Minneapolis, Minnesota.

Past member Consulting Engineering Council of Minnesota

Member ASME

About Associate Engineers

Tim B., Sr. Mechanical Engineer 8 years
Joe S., Mechanical Engineer 12 years

About Associate Designers

Bruce S., Sr. Mechanical Designer, Pro-Engineer 6 years
Jason R., CAD detailer, AutoCad, Cadkey 4 years
Craig B., CAD designer, AutoCad, Pro-Engineer, Cadkey 5 years
Dave R., CAD designer, SDRC, SolidWorks 4 years

About Associate Fabricators

Machine Shops:
Prototypes Machining--quick turn components in most materials
Universal Fixtures--plunge EDM, mold making
Wire EDM Machining--quick turn wire burn

Lathe Shops:

Lathe Specialties--turning in stainless and exotics
Universal Fixtures--short run CNC turning
Needles Turning and Fab--short run turning and milling

Sheet Metal:

Precision Sheet Metal--cutting, forming in aluminum, ss, and mild steel
Specialty Stamping--short run dies, progressive dies

Plastic Fabrication:

Poly Welding--cutting, forming, welding of poly
Short-Run Acrylics--cabinets, enclosures in most bondable plastics

Laser Machining:

Miniature Cutting Extrusion Shop--precision ss laser cutting

Specialty Fabricators:

Tubing Extrusion Shop--medical grade tubing to customer specifications

Fusing Specialties--medical grade polymer assembly

Nitinol Forming--Nitinol and specialty wire forming, shaping

WE CONTINUALLY ADD TALENTED ASSOCIATES TO OUR NETWORK AS NEEDED.