

ARTHUR J. HEDRICK

OBJECTIVE

My objective is to educate and consult the sheet metal stamping industry on the fundamentals and specifics of processing, designing, constructing and troubleshooting sheet metal stamping dies and processes.

TRAINING EXPERIENCE

Educator, consultant and founder, DIEOLOGY, LLC - 2001 to present

Corporate Training Director, Synergis Technologies Group - 1996 to 2001

Apprenticeship Instructor - Taught subjects such as Die Design, Heat Treat & Metallurgy, Draw Die Theory and Practice, Trouble Shooting for Stamping Dies, Blueprint Reading and Basic Math & Algebra as well as various other apprenticeship-related classes.

Seminar Instructor - Conducted one-, two- and three-day seminars on Progressive Die Design, Draw Die Design & Practice, Estimating and Processing for Stamping Dies, Troubleshooting Stamping Dies, Solving Set-up Problems for Progressive Dies as well as Stamping Die Fundamentals and Press Set-up Procedures.

Training Consultant - Worked with several tool & die shops and stamping plants to help them establish an apprenticeship program. Also worked with local colleges and universities in an effort to help them establish a better curriculum.

QS9000 Team Leader - Lead co-workers in the development of a long-term, quality management plan.

Skills acquired - I served my training under the direct supervision of Ed Stouten, inventor of progressive dies, and Arnold Miedema, a global stamping consultant. Some of the skills they have helped me acquire include press fundamentals, draw ratio theory, die design specifics, tool steel selection and processing techniques.

OTHER EXPERIENCE

Tool & Die maker/Die Leader, Synergis Technologies Group - 1987 to 1996

Tool & Die maker (Journeyman), Greenville Tool & Die - 1982 to 1987

Skills acquired - Die construction and try-out, welding, heat treating, machining (manual & C.N.C.) die design and layout.

EDUCATION

Completed Dale Carnegie Leadership Training for Managers - 2000

Completed Dale Carnegie Training Program - 1996

Completed apprenticeship - 1986

Montcalm Community College - received related training for tool & die apprenticeship - 1980-86

Lakeview High School - Graduate – 1980

CONFERENCES / WORKSHOPS ATTENDED

Aluminum Stamping - March 2001

Latest Advances in Sheet Metal Forming - April 2000

Basic Formability - February 1998

Draw Die Development - January 1998

Process Planning and Estimating Training Course - January 1998

Creative Training Techniques - September - 1997

Die Design, Maintenance, and Safety for the Metal Stamping Industry - June 1997

Fundamentals of Sheet Metal Stamping Dies - March 1997

Sheet Metal Forming Clinic - October 1996

How to Select & Specify Heat Treated Steels - September 1996

Latest Advances in Sheet Metal Forming - May 1996

MEMBERSHIPS

Society of Manufacturing Engineers - Senior Member

Fabricators and Manufacturers Association, International - Stamping council member & past chairman

Ferris State University - Advisory Committee

Grand Rapids Community College - Advisory Committee

Kent Career Technical Center - Advisory Committee

PUBLICATIONS

Author of the monthly Die Science column - STAMPING Journal® - December 2000 to present

“Controlling Flow and Obtaining Stretch in Deep Draw Operations” - STAMPING Journal® - March/April 2000

“Where do go from here? Future stamping methods and die designs” - Fabricator - January 2000

“Key Design Principles For Successful Deep Drawing” - STAMPING Journal® - March/April 1999

“Sheet Metal Stamping: An Evolving Science” 10th anniversary edition - STAMPING Journal® - January/February 1999

“Controlling Material Flow in Drawing Operations” Die Clinic - STAMPING Journal® - November/December 1997

“Good Training Begins At Home” View Points - Manufacturing Engineering - July 1997

“The State Of The Industry” (training) - Metal Forming Magazine - February 1997