





# Forming Fundamentals

## Press Brake Forming Fundamentals

### Class Outline

#### Part One: The Basics

- Brake and Back Gauge Axis
- Proper Measuring Techniques
- Types of Tooling
- Methods of Forming
- **Press Brake Demonstrations**

#### Part Two: The Factors

- Material Differences
- Tooling Selection
- Shortest Possible Flange
- Achieving the Proper Radius
- **Press Brake Demonstrations**

#### Part Three: Part Development, Programming Techniques, and Common Forming

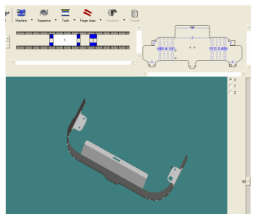
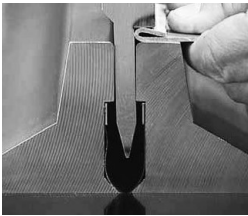
- Methods of Programming
- Press Deflection and Crowning
- Basic Blueprint Reading
- Part Blank Development
- Measuring for Tool Builds
- Tallest Possible Box
- Common Forming: Boxes, Channels, Hems, Offsets
- **Press Brake Demonstrations**

#### Part Four: Special Application Tooling

- Bump Bending
- Large Radius Forming
- Universal Tooling
- Specialized Tooling
- **Press Brake Demonstrations**

#### Part Five: Tips, Tricks, and Advanced Forming Techniques

- Order of Operation
- Stage Bending
- Fixing the Mistakes
- Why the Rules Get Broken
- Avoiding Feature Distortion
- Difficult Parts
- Problem Materials
- **Press Brake Demonstrations**



#### How To Sign Up For One/Two Day Class

Just Email The Following:

- Company Name
- Attendee Name(S)
- Date you would like to attend
- PO Number (optional)

Email: [jsheahan@gladwinmachinery.com](mailto:jsheahan@gladwinmachinery.com)

Or

Call: 262-703-0400

A class confirmation will be sent within a few days.