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[Metal Stamping Press Maintenance, Press Operator, Die Setter and Safety Training](#)

Purpose and Benefits of this valuable program;

- 1.0 Do your Press Operators, Die Setters, Engineers and Maintenance Personnel really understand what a press is designed to do and when it is functioning properly?
- 2.0 Can they decide if the problem is with the tool or the press?
- 3.0 Do they know how to quickly make adjustments to the die space to isolate the press problems from the tool?

Your employees will be able to successfully implement the following ideas as a direct result of this valuable training.

- How to maximize uptime, even with less than perfect machinery.
- The Theory of the Box
- Safe metal stamping press operations
- Each participant will fully understand the design and usage of metal stamping presses
- Efficient and practical preventative maintenance inspection procedures.

Your instructor

Mr. Jeff Fredline has written and presented many times for the Society of Manufacturing Engineers and the Precision Metal Forming Association. Currently he serves as an active member of the Precision Metal Forming Association. For the past 30 years he has trained on a private basis for many industry leaders such as General Motors, Chrysler, Whirlpool, General Electric, BAE Systems and numerous smaller companies. Mr. Fredline has a Bachelor of Business and has earned Journeyman Status in the Machine Repair Industry.



1.0 E + R = O: Event + Response to event = Outcome

- 1.1 How to see immediate progress benefits in the press room.
- 1.2 Using your equipment and training your personnel to maximize through put and profits.
- 1.3 Enhance the safety of your operation.
- 1.4 Optimize Uptime + Reliability = Increased Quality Throughput ROI.

2.0 Press Operator/Die Setting/Basic Maintenance Training

- 2.1 Safe operation in the press room.
- 2.2 Complete review of die setting requirements and required training.
- 2.3 Why is it important for all set up, operational and maintenance personnel to understand the proper operation of the stamping press and related work cell equipment.

3.0 Clutches and Brakes

- 3.1 Attendees will learn to identify when you have a drive problem with the press and basic to advanced troubleshooting skills.
- 3.2 Discuss the growing demand for Diagnostics/Predictive Maintenance of clutches, brakes, and other press systems.

4.0 Frame Design

- 4.1 Learn to understand the function of the frame of the machine during operation.
- 4.2 Discussion of related forces.
- 4.3 Tie Rods and Frames.
- 4.4 Problem identification.
- 4.5 Importance of Proper Level and Alignment of the Press Bed and or Frame

5.0 Drive Train Designs

- 5.1 Understand the effect of the drivetrain on the ability of the press to produce the part.

6.0 Slide Assembly

- 6.1 Parallelism-How to level the slide with the press bed/bolster and adjust gib clearance for optimum operation.
- 6.2 Identify when you have a parallelism issue quickly.
- 6.3 How correct "Out of Parallel" conditions.

7.0 Die Cushions

- 7.1 Proper function and operation.

8.0 Bolster Plates

- 8.1 The effect of the bolster plate on parallelism.
- 8.2 Understand the importance of protecting the bolster from damage and how properly care for it.

9.0 Counterbalance Cylinders

- 9.1 Why does the machine have counterbalance cylinders?
- 9.2 Uses and benefits.
- 9.3 When and how to use properly.
- 9.4 Critical to the overall life of the machine.

10.0 Press Safety

- 11.1 How to safely operate your press room equipment.
- 11.2 How to avoid injury and still achieve through put.
- 11.3 How proper safety will increase your profits.

12.0 Design and implement your own Press Preventative Maintenance Program

- 12.1 Complete review of Press Inspection Procedures.
- 12.2 How to perform a complete press inspection, step by step procedures.
- 12.3 Creating work instructions to properly care for your equipment.
- 12.4 Maintaining the entire work cell is required to maximize quality through put and increase profitability.

13.0 Questions and Answers

Metal Stamping Press Maintenance & Troubleshooting; Education and Training; (7-8) Hour session specifically designed for Press Maintenance Personnel.

Interested? Please reach out to me and I will be happy to provide you with all the details.

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Pretrade

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