

Press Maintenance, Troubleshooting and Safety Seminar

June 23-24, 2026 - Cleveland, OH & Virtual

Attendees will learn:

- How to maximize uptime, even with less-than-perfect machinery
- The Theory of the Box
- Safe metal-stamping-press operations
- The design and usage of metal stamping presses
- Efficient and practical preventive-maintenance inspection procedures

Instructors



Jeff Fredline, Industry Consultant, Pretrade

An active member of the Precision Metalforming Association, Jeff Fredline has written and presented many times for PMA and the Society of Manufacturing Engineers. For

the past 35 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. Jeff has a Bachelor of Business degree and has earned journeyman status in the machine repair industry.



Dean Phillips, Director of Technical Training, Precision Metalforming Association

Dean Phillips joined the PMA staff as director of technical training in May 2024. Dean has been an active member of the forming and fabricating

community for the past 35 years. He started his career at Niagara (later Clearing Niagara Bliss, CNB), serving as service tech, regional sales manager and fabrication product director. Later, he was the fabrication product director for Piranha / Allsteel and designed the Titan press brake with Tennsmith as its director of fabrication products. Dean also was national sales manager for SEYI Presses. He is an expert in IIoT and strategy for AI-based systems, as well as an expert on safety and controls. Dean spent 20 years with Link Systems and is designing VR/AR as president of Longevity Industries' "Reality Safe." He also is the host/producer of PMA's "Destiny of Manufacturing" podcast.



Specifically designed for metal stamping press maintenance personnel, highlights of the program include:

- E + R = O: Event + Response to event = Outcome—How to implement in the press room
- Understanding Mechanical and Servo Press Technology
- Press Operator/Die Setting/Basic Maintenance Training
- Terminology Overview and Review of Specific Maintenance Points and Procedures
- Clutches and Brakes
- Frame Designs and Specific Usage
- Drive Train Designs
- Slide Assembly
 - Parallelism—How to level the slide with the press bed/bolster and adjust gib clearance for optimum operation
- Die Cushions
- Bolster Plates
- Importance of Proper Level and Alignment of the Press Bed and/or Frame
- Counterbalance Cylinders—Proper Function and Adjustments
- Troubleshooting All Press Systems. Detection and corrections of the most common issues.
- Press Safety
- Designing and Implementing Your Own Press Preventive Maintenance Program
- Press Inspection Procedures and Overview
- Questions and Answers

Among the key safety-related topics that this seminar will address are personal protective equipment, die blocks, energy isolation, lockout/tagout and the secret to OSHA's 1/4-in. rule for safeguarding the point of operation. Numerous guarding options will be discussed as well as OSHA and ANSI's safe-distance formulas. The use of light curtains also will be covered, including blanking, muting and horizontal remotes.

Participants will learn about die blocks, control reliability, brake-monitor setting, the impacts of slow stopping, tonnage monitoring, die protection for tooling safety and more

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Agenda

Wednesday, June 23, 2026

8:00 a.m. Breakfast provided
8:30 a.m. Presentation
12:00 p.m. Lunch provided
12:45 p.m. Presentation resumes
4:30 p.m. Adjourn

Thursday, June 24, 2026

8:00 a.m. Breakfast provided
8:30 a.m. Presentation
12:00 p.m. Lunch provided
12:45 p.m. Presentation resumes
4:00 p.m. Adjourn

Registration

In Person/Virtual

\$499 PMA Member / \$699 Nonmember

Note: In-person registration includes breakfast and lunch.

Note: Virtual registrants will receive their unique log-in link via email from Zoom. If an additional connection is detected using your unique link during the seminar it will be disconnected.

Register at <https://www.pma.org/technical/>

Seminar Location

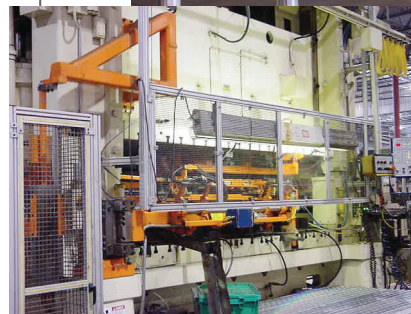
Precision Metalforming Association
6363 Oak Tree Blvd.
Independence, OH 44131
216-901-8800

Hotel Accommodations

Holiday Inn Cleveland South Independence

6001 Rockside Rd.
Independence, OH 44131
216-524-8050

Reserve your room **online** receive the special rate of \$115 per night plus applicable taxes. Hotel accommodations include free self-parking. Hotel does not provide shuttle service.



To register online visit www.pma.org/technical or to register by phone please call Erin Peterman at 216-901-8800 ext. 116

Please let us know if you require any special arrangements or accommodations: PMA reserves the right to amend the program should circumstances warrant such action. In the event of course cancellation, PMA will notify you within ten days of the program date, and will registration fees. Liability for course cancellation is specifically limited to the amount of registration fees and excludes any incidental or consequential damages. Individual registration cancellations must be made in writing. Registration fees are non-refundable for cancellations received less than seven days prior to the program. Substitutions are welcome at any time.