

MANDATORY**Training Hours**

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| PMA-LOTO1 Introduction to Lockout Tagout | 0.8 |
| PMA-LOTO2 Lockout Tagout Procedures | 0.8 |
| PMA-1001 Introduction to Metal Stamping | 0.9 |
| PMA-1002 Stamping Presses | 0.9 |
| PMA-1003 Press Specifications | 0.9 |
| PMA-1004 Press Controls | 0.9 |
| PMA-1005 Modes of Operation | 0.8 |
| PMA-1006 Safeguarding | 0.9 |
| PMA-1007 Die Assembly Components | 1.3 |
| PMA-1008 Basic Die Operations | 1.1 |
| PMA-1009 Indicators of Improper Die Operations | 0.9 |
| PMA-1010 Operating the Stamping Press | 1.0 |
| PMA-1011 Operating Coil-Fed Automatic Press Lines | 1.1 |
| PMA-1012 Safe Coil Handling | 1.2 |
| PMA-1013 Loading Coils | 1.1 |
| PMA-1015 Feeding the Coils | 1.6 |
| PMA-1016 Dimensional Measuring | 1.0 |
| PMA-1017 Attribute Gaging and Checking Fixtures | 0.8 |
| PMA-1018 Standardized Inspection Methods and SPC | 0.5 |
| PMA-5001 Die Protection | 0.6 |
| PMA-LUB01 Introduction to Metalforming Lubrication | 0.4 |
| PMA-LUB06 Lubricant Ratios | 0.4 |
| PMA-LUB08 Lubricant Application | 0.4 |
| PMA-LUB09 Lubricant Safety | 0.4 |
| PMA-LUB10 Troubleshooting Lubrication Issues | 0.4 |
| DWG-1001 Blueprint Reading Fundamentals - Introduction to Blueprints | 1.7 |

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| DWG-1002 Blueprint Reading Fundamentals - Engineering Drawing Terminology | 1.5 |
| DWG-1005 Blueprint Reading Fundamentals - Dimensions and Tolerances | 2.1 |
| SAF-1001 Introduction to OSHA | 1.1 |
| SAF-1002 Introduction to Safety - Making Work a Safer Place | 1.6 |
| PMA-1014 Straightening the Coils | 1.3 |
| PMA-2001 Die Fastening and Clamping Systems | 0.9 |
| PMA-2002 Removing the Die Assembly | 0.8 |
| PMA-2004 Die Assembly Installation | 0.8 |
| PMA-2005 Setting up Uncoiling and Straightening Equipment | 0.7 |
| PMA-2010 Threading the Die | 0.7 |
| PMA-2011 Preparing the Press for Production | 0.8 |
| PMA-2012 Trial Stamping - First Piece Approval | 0.8 |
| PMA-5001 Die Protection | 0.6 |
| PMA-5002 Die Sensors | 0.6 |
| PMA-5003 Sensor Applications | 0.6 |
| PMA-LUB02 Lubricant Components and Additives | 0.4 |
| PMA-LUB03 Straight Oil Lubricants | 0.4 |
| PMA-LUB04 Water-Miscible Lubricants | 0.4 |
| PMA-LUB05 Synthetic Lubricants | 0.4 |
| PMA-LUB07 Lubricant Selection | 0.4 |

Total estimated training hours: 32

EQUIPMENT SPECIFIC

Training Hours

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| PMA-2006 Air-Operated Slide Feeds | 0.8 |
| PMA-2007 Grip Feeds | 0.8 |
| PMA-2008 Servo Roll Feeds | 0.8 |
| PMA-2009 Mechanical Roll Feeds | 0.9 |

Total estimated training hours: 3.2