

# Smart Solutions in Packaging: Operator & Maintenance Training

## PACKPULSE SOLUTIONS LLC

Your Partner in equipment consulting



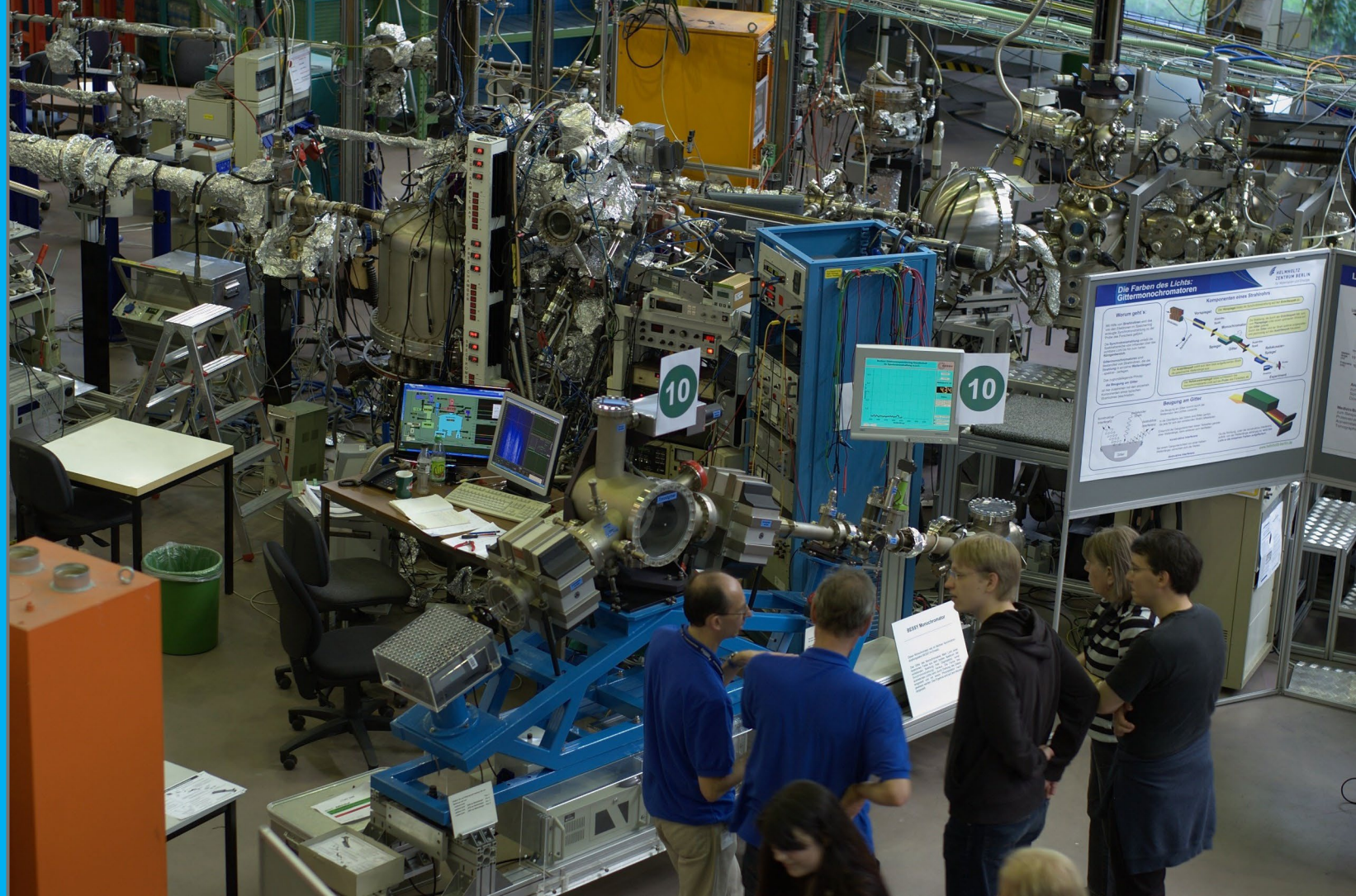
What to know before setting up training for your Team!



# What I need to know before setting up training

In today's demand for finding good people, they want the training. Turnover rates are at an all time high. Building a team with the proper knowledge base of your equipment is key to retention.

- But before you can setup that training what are your needs?
- How many team members can be trained at one time?
- Are there different level's of training for operator's and maintenance personnel?
- What information can I get to present to upper management for purchasing.



# What I need to know before setting up training

## Objective to training needs

New employee – Introduction

Operations – Machine Theory of operation to starting the machine and maintaining daily activities.

Lead Operator Training – More capable of working with the equipment and making changes if necessary.

Maintenance Training – Introduction

In depth maintenance training.

From day 1 you will have support in each decision needed for your application.

Classes
Theory Of Operation
Parts Identification
Operator Adjustments
Operator HMI Screens
Starting the machine
Fault Clearing

Classes
Maintenance Screens
Electrical Systems
Maintenance Procedures
Servo Drive Troubleshooting
Identifying Jam Conditions Properly / Film issues
Common coditions Based on expierence with machines





Classes	Information to cover
Theory Of Operation	Walk Around of the machine explaining functionality and what the machine was designed to achieve.
Parts Identification	This is a Deep Dive into the assemblies of the equipment. Review key areas to explain setup and concerns if setup incorrectly. Talk about the possible failures. Talk about functionality of each assembly
Operator Adjustments	Looking over the machine and calling out their day to day adjustments. Some locations this is very involved , some it is not
Operator HMI Screens	Going through these screens and explaining every button available, even if they cannot change it. Recipe, adjustments even the stack light is improtant. In some cases they have not seen this before.
Starting the machine	Explain how the machine needs to be clear. Explain how to achieve the ready state. Physically show them and then have each person perform this task. Explain patience of the system and waiting.
Fault Clearing	Proper procedures in clearing the machines properly before resetting the machine. Reading the alarm banner and make them know how to read the alarms. Alarm history. Explain why and how we would get all fault conditions.



# Operator Training

- What it Covers -

## Operator New Hire

- Theory of Operation
- Parts Identification

## Deeper dive Operator

- Operator Adjustments
- Operator HMI Screens
- Starting the machine
- Fault Clearing

Being completely familiar with how the machine operates and why it operates the way it does is the first step to all machinery.

Classes	Information to cover
Maintenance Screens	Reviews the entire availability of screens and how to adjust offsets for timing. Teaches how they can use the screens to their advantage in troubleshooting
Electrical Systems	Help with the understanding of electrical components. Review cabinet and available drives. Review safety circuit and how to troubleshoot.
Maintenance Procedures	Preventative maintenance, Homing procedures, properly cleaning of the machine. When it's time to change specific parts.
Servo Drive Troubleshooting	What to look for in a faulted Servo. How to diagnose the issue at hand. Using the fault manual for the drives and determining what the fault is based on the error codes.
Identifying Jam Conditions Properly / Film issues	Does a deep dive into the jam condition, starting with the most upstream element that causes the jam. How to recognize the problem and what needs to be performed to repair issues.
Common conditions Based on experience with machines	Trainer utilizes their past experience with the machines and explains what is the focal point of problems based on environment



# Maintenance Training

- What it Covers -

Maintenance - New Hire

All of the Operator Training is needed for new maintenance personnel

Next Level Maintenance Training

- Maintenance Screens
- Electrical Systems
- Maintenance Procedures
- Servo Drive troubleshooting
- Identifying Jam Conditions

# What does a class look like

Each class is limited to only 6 or less members  
Offer 1st , 2<sup>nd</sup> , and 3<sup>rd</sup> Shift coverage for training.

Additional costs may apply for 2<sup>nd</sup> and 3<sup>rd</sup> shift training efforts.

Hands on training is at the machine with the machine not running production.

In class room presentation consist of 50/50 in class and at machine training.





# How do I setup training



Field Service Estimate	
Customer Name: _____	Date: March 6, 2024
Address: _____	
Contact Name: _____	Phone: _____
Customer Location: Southeast	Email: _____
Please Select the Machine Type(s)	
Top Load Closers: No Selection	Other Machine Types: _____
End Load Closers: Enterprise	Project Management: <input type="checkbox"/> Yes - PM Rates Apply
Carton Forming: No Selection	Training: <input checked="" type="checkbox"/> Yes - TR Rates Apply
Trip Information	
Work Starting Date: February 12, 2024 (Monday)	Trip Length (Days): 2
Work Ending Date: February 14, 2024 (Wednesday)	<input type="checkbox"/> Travel Day Before?
<input type="checkbox"/> Drive to Site? 40	<input type="checkbox"/> Travel Day After?
Reason for Trip: Select Reason: <input type="radio"/> Machine Installation <input type="radio"/> Troubleshooting Issue <input type="radio"/> Machine Rebuild <input checked="" type="radio"/> Training <input type="radio"/> Machinery Audit <input type="radio"/> Other (note below)	First and Last days of the trip are half days of travel.
Describe the purpose of this trip or define any specific goals that need to be achieved.	
Machine Training !!!	
Estimated Trip Costs	
Estimated Roundtrip Airfare: \$ 1,000.00	Actual Airfare: \$0.00 / Mile
Roundtrip Mileage Charges: \$ 24.00	Weekday Travel Rates applied both ways
Estimated Travel Time Charges: \$ 1,120.00	Standard Hourly Rates Applied
Estimated Hourly Work Charges: \$ 4,070.00	\$425 / Per Day
Per Diem Rates: \$ 1,275.00	
ESTIMATED TRIP TOTAL: \$ 7,489.00	



You can reach PackPulse at anytime to discuss the details of training for your team. [service@packpulsesolutions.com](mailto:service@packpulsesolutions.com)

We will determine what level of class you are looking for, then establish how many classes are needed.

From there you will receive a detailed estimate that discusses these points of interest.

Once you provide the PO for the trip, we can connect you to the date on the schedule that we will be out to train your team.



# Schedule your next Training Class now with PACKPULSE SOLUTIONS LLC

[service@packpulsesolutions.com](mailto:service@packpulsesolutions.com)

(470) 275-7793

Operator Training – Maintenance Training – Hands On – Classroom – One on One!

- SPECIALIZING IN SECONDARY PACKAGING -

- TOPLOAD CLOSERS
- ENDLOAD CARTONERS
- TOPLOAD FORMERS
- HOW TO CONDUCT AND FAT

- Decades of experience | Dedicated to Satisfaction –

