P.E. LABELLERS UNIVERSITY

Training Courses

Basic • Intermediate • Advanced

Training Courses KPI

The courses organized at P.E. University include:

PE Senior Trainer

Dedicated Training Classrooms

Dedicated Practice Room with Standalone Machines and Units

Specialized Educated Material

Training and Practical Tests

End of Course Certificate of Participation

Lunch at PE's Restaurant Lounge

The training courses can be organized both at P.E. University and the Customer's site, on the base of specific needs.

Basic

Goal: Manage the labeller safely and correctly on a daily basis

Day 1|2

Knowledge of the main sets of the labeller's components

Meet and Greet — 8:00 a.m.

Labeller components — 8:30
- Safety systems
- Electrical axes and plates
- Orientation system
- Control and rejection system
- HMI
- …

10:30 Break

12:30 Lunch

Labelling units — 1:30 p.m.
- Main components
- Sensor technology
- Recipe parameters
- Frequent issues: troubleshooting

5:30 End

Basic

Goal: Manage the labeller safely and correctly on a daily basis

Day 1|2

Daily operations on the labeller

Topic resume Day 1 — 8:00 a.m.

Manage production — 8:30

Manage the run, stop and emergency phases

Sudden stop: what to do? — 10:30 Break

Working on labelling units

Cleaning and related issues

Safety and dangers — 12:00 Lunch

Change-over — 1:30 p.m.

Automatic or manual: how to manage it?

Change-over troubleshooting

Final test — 4:30

5:30 Delivery certificate

Training Courses

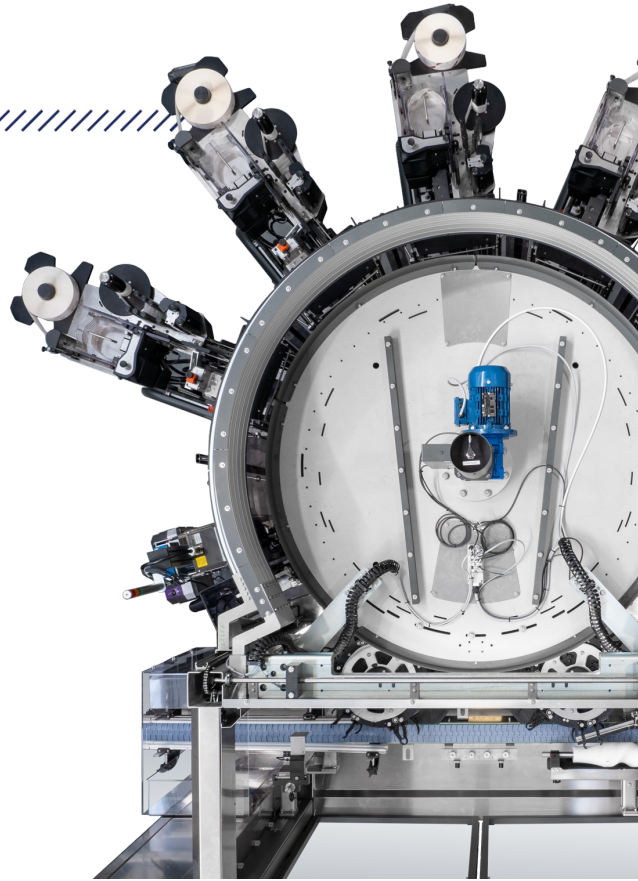
Basic

Operators

2 Days - Max 4 people

Topics:

- Knowledge of the machine's components
- Daily labeller operations
- Change-over management
- Basic troubleshooting
- Cleaning operations
- HMI overview



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PROMACH

Training Courses

Basic

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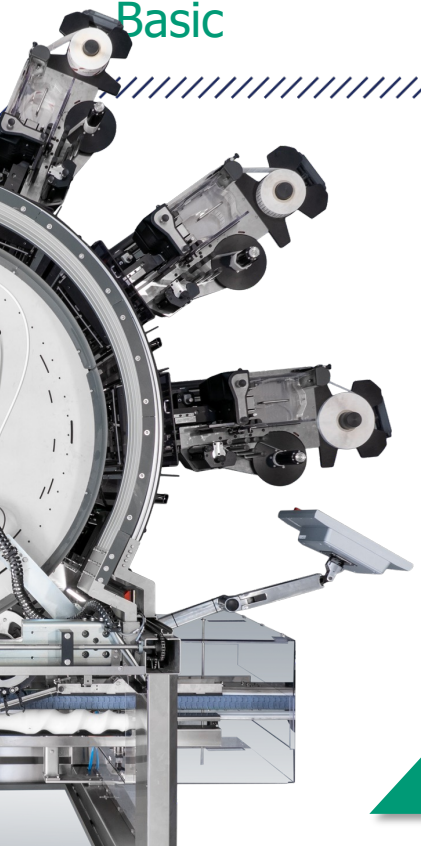

Operators

2 Days - Max 4 peopl

Benefits:

- Reduction of change-over times
- Improved production efficiency
- Independence in labelling adjustment
- More efficient and rapid cleaning
- Less interventions from maintainers
- Work safely

PROMACH

Intermediate

Goal: Ensure the efficiency of the machine by knowing the mechanical and electrical details

Day 1|2|3

Technical insight on the labeller's electrical part

Meet and Greet — 8:00 a.m.

Entry test — 8:30
Check required skills

Automation — 9:30
Safety and dangers
Logical functioning — 10:30 Break
Focus on electrical components
Frequent issues: troubleshooting — 12:00 Lunch
HMI advanced functions

Motion — 1:30 p.m.
Synchronisation of motion units
Motion recipe management
Exercises and problem solving to maximize performance
Back-up operations — 5:30 End

P.E. LABELLERS

Intermediate

Goal: Ensure the efficiency of the machine by knowing the mechanical and electrical details

Day 1|2|3

Technical insight on the labeller's mechanical part

Mechanical adjustments

Mechanical adjustments of the labelling units
Smoothing adjustments
Labelling problem solving
Exercises for a correct labelling

8:00 a.m.

10:30 Break

12:00 Lunch

Labeller's maintenance

Ordinary maintenance
Lubrication: points, timing and mode
Extraordinary maintenance
Spare parts replacement

1:30 p.m.

5:30 End

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Intermediate

Goal: Ensure the efficiency of the machine by knowing the mechanical and electrical details

Day 1|2|3

Advanced labeller management

Topics resume Days 1-2 — 8:00 a.m.

New format creation — 8:30 a.m.

Creation criteria
Editable parameters
Create a new orientation and control system recipe
Problem solving while creating a new recipe

10:30 Break

12:00 Lunch

Events management — 1:30 p.m.

Troubleshooting on the production line
Labeller issues during production

Final test — 4:00

5:30 End

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Training Courses
Intermediate

Maintainers
3 Days - Max 4 people
Extendable to 4 Days

Topics:

- Logical functioning
- Advanced functions deepening on the HMI
- Axes adjustments
- Maintenance operations
- Spare parts replacement
- Recipe management
- Troubleshooting

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Training Courses
Intermediate

Maintainers
3 Days - Max 4 people
Extendable to 4 Days

Benefits:

- Guarantee the efficiency of the machine by knowing the mechanical and electrical details
- Quick maintenance actions
- Autonomy in creation of future formats
- Downtime reduction
- Improved support for operators

PROMACH

Advanced

Goal: Being able to manage every P.E. system and provide functional PLC diagnostics

Day 1 | 2 | 3 | 4 | 5

PLC diagnostics

Meet and Greet — 8:00 a.m.

Entry test — 8:30
Check required skills

Systems architecture — 9:30
Difference between brands
Knowledge of our PLC environment — 10:30 Break
Connecting to the PLC
Security back-up operations — 12:00 Lunch

Practical exercises — 1:30 p.m.
Simulation of an error in a software
Simulation of a broken sensor

5:30 End

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Advanced

Goal: Being able to manage every P.E. system and provide functional PLC diagnostics

Day 1|2|3|4|5

Diagnostics and operations on motion systems

Motion

Motion systems explanation
Analysis and diagnostics
Operating on Motion systems

8:00 a.m.

10:30 Break

12:00 Lunch

Practical exercises

Simulation of an error in a software
Simulation of a broken sensor

1:30 p.m.

5:30 End

Advanced

Goal: Being able to manage every P.E. system and provide functional PLC diagnostics

Day 1|2|3|4|5

Orientation and control systems

Orientation system
Explanation of every system
Logical functioning
Parameters set-up
Diagnostics

8:00 a.m.

10:30 Break

12:00 Lunch

Control system
Logical functioning
Parameters set-up
Diagnostics

1:30 p.m.

Rejection systems
Logical functioning
Parameters set-up
Diagnostics

5:30 End

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Advanced

Goal: Being able to manage every P.E. system and provide functional PLC diagnostics

Day 1|2|3|4|5

Installation and start-up of a P.E. labeller

Installation

8:00 a.m.

How to carry out a safe installation
Proper procedures
How to install every type of labelling modules

10:30 Break

12:00 Lunch

Start-up

1:30 p.m.

Check-up security sensors
Check-up safety sensors
Check mechanical and electrical set-up
Check bottles vehiculation

5:30 End

P.E. LABELLERS

Advanced

Goal: Being able to manage every P.E. system and provide functional PLC diagnostics

Day 1|2|3|4|5

Labelling techniques

Pressure sensitive unit — 8:00 a.m.
Application in motion
Special label applications
Smoothing techniques

Glue Unit
Different type applications
Smoothing techniques

10:30 Break

12:00 Lunch

Summary — 1:30 p.m.
Summary of the last few days

Final test — 3:30 p.m.

5:30 End

Training Courses
Advanced

Technicians
5 Days - Max 4 people

Topics:

- PLC software diagnostics
- Orientation system operations and diagnostics
- Labelling techniques
- Installation & start-up

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Training Courses
Advanced

Technicians
5 Days - Max 4 people

Benefits:

- Deep automation knowledge of P.E. Systems
- To be autonomous in problem solving
- Being able to recognize earlier malfunctions and possible causes of failure