Pick/Pack/Ship Automation Training Course

Professional Development Training Course Outline

Category	Logistics and Supply Chain Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The global logistics and supply chain industry is rapidly evolving with the integration of automation technologies in warehouse operations. Pick/Pack/Ship Automation is becoming a crucial component in optimizing order fulfillment, reducing operational errors, and enhancing productivity. Pick/Pack/Ship Automation Training Course provides a comprehensive understanding of the latest automated systems, including conveyor systems, robotic picking, automated sortation, and intelligent warehouse management software. Participants will gain practical skills in implementing, monitoring, and optimizing automated workflows while maintaining accuracy, speed, and efficiency. By integrating trending technologies such as artificial intelligence, machine learning, and robotics, this course ensures that professionals are prepared to meet the growing demands of modern e-commerce and distribution centers.

Participants will explore end-to-end automated order processing, from picking and packing to shipping and delivery, while learning strategies to minimize labor costs and maximize throughput. Emphasis is placed on safety, compliance, and cost-effective system integration. The course combines theoretical insights with hands-on simulations and real-world case studies, allowing learners to apply knowledge in a practical setting. Professionals completing this training will be equipped to drive operational excellence, reduce human errors, and enhance customer satisfaction in highly competitive logistics environments.

Programme Curriculum

Pick/Pack/Ship Automation Training Course

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Course Objectives

1. Understand the fundamentals of pick, pack, and ship operations in automated warehouses.
2. Learn to implement warehouse management systems (WMS) for optimized order fulfillment.
3. Analyze workflow processes to identify opportunities for automation.
4. Integrate robotic picking technologies for increased accuracy and speed.
5. Utilize conveyor and sortation systems effectively in high-volume environments.
6. Apply AI and machine learning for demand forecasting and inventory optimization.
7. Develop strategies for minimizing errors and reducing operational costs.
8. Ensure compliance with safety standards and industry regulations in automated operations.
9. Evaluate the ROI and cost-benefit analysis of automation solutions.
10. Improve shipping accuracy, order cycle times, and overall customer satisfaction.
11. Train teams in the use of automated picking and packing systems.
12. Conduct performance monitoring and continuous improvement of automated processes.
13. Implement scalable automation solutions adaptable to growing e-commerce and distribution demands.

Organizational Benefits

1. Increased operational efficiency and throughput.
2. Reduction in manual labor and associated costs.
3. Improved order accuracy and reduced errors.
4. Enhanced warehouse safety and compliance.
5. Optimized inventory management and space utilization.
6. Faster order processing and delivery times.

7. Higher customer satisfaction and retention rates.
8. Better data visibility and reporting for decision-making.
9. Scalability to accommodate business growth.
10. Competitive advantage in the logistics and supply chain industry.

Target Audiences

1. Warehouse managers seeking automation expertise.
2. Supply chain and logistics professionals.
3. Operations supervisors in distribution centers.
4. Inventory control and procurement specialists.
5. E-commerce fulfillment managers.
6. Industrial engineers and process improvement specialists.
7. IT professionals integrating WMS and robotic systems.
8. Quality assurance and safety officers in warehouse operations.

Course Duration: 5 days

Course Modules

Module 1: Introduction to Pick/Pack/Ship Automation

- Overview of warehouse automation trends.
- Components of automated picking systems.
- Case study: Implementing pick/pack automation in a mid-size distribution center.
- Benefits and challenges of automation.
- Safety and compliance considerations.
- Key performance indicators for automated operations.

Module 2: Warehouse Management Systems (WMS) Integration

- Understanding WMS functionalities.
- Data input and order tracking.
- Case study: Optimizing WMS in e-commerce fulfillment.
- Automation in inventory control.
- Real-time monitoring and reporting.
- Troubleshooting common WMS issues.

Module 3: Robotic Picking and Packing Systems

- Types of robotic picking technologies.
- End-to-end packing automation solutions.
- Case study: Reducing errors with robotic picking in a high-volume warehouse.
- Cost-benefit analysis of robotic integration.
- Training staff for robotic systems.
- Maintenance and troubleshooting.

Module 4: Conveyor and Sortation Systems

- Conveyor system types and applications.
- Automated sortation for order fulfillment.
- Case study: Implementing conveyor systems in a retail warehouse.
- Load balancing and efficiency optimization.
- Safety standards for mechanical systems.
- Monitoring and performance metrics.

Module 5: Artificial Intelligence and Machine Learning Applications

- AI for predictive inventory management.
- Machine learning for demand forecasting.
- Case study: AI-driven picking optimization in an e-commerce warehouse.
- Integrating AI with WMS.
- Measuring automation effectiveness.
- Future trends in AI-powered logistics.

Module 6: Shipping Automation and Labeling Solutions

- Automated shipping stations and sorting.
- Barcode and RFID integration for accuracy.
- Case study: Reducing shipment errors with automation technology.
- Cost-saving strategies in automated shipping.
- Compliance with carrier standards.
- Tracking and reporting automation.

Module 7: Safety, Compliance, and Regulatory Considerations

- OSHA and warehouse safety protocols.
- Compliance for automated machinery.
- Case study: Accident reduction through safety automation in warehouses.
- Emergency procedures for automated environments.
- Risk assessment and mitigation strategies.
- Continuous compliance monitoring.

Module 8: Performance Monitoring and Continuous Improvement

- KPIs for automated operations.
- Data analysis for process improvement.
- Case study: Continuous improvement program in a logistics center.
- Identifying bottlenecks and solutions.
- Staff training for continuous improvement.
- Reporting and feedback mechanisms.

Training Methodology

- Interactive lectures with real-world examples.
- Hands-on simulations of pick/pack/ship processes.
- Case studies for practical application.
- Group discussions and problem-solving sessions.
- Performance assessments and practical exercises.
- On-site demonstrations (where applicable).

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

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