NexBot Robotics Training Course 913-009 Advanced Programming

NexBot Robotics

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Overview

This advanced training course is designed for experienced robot programmers, technicians, and engineers seeking to master the full capabilities of the NexBot Robotics programming environment. The course provides in-depth instruction on advanced programming techniques required for complex automation tasks, enabling your team to optimize cycle times, improve system reliability, and implement sophisticated application logic. Over a period of three days, totaling 24 hours of instruction, participants will engage in a curriculum that is approximately 60% hands-on lab time and 40% classroom theory, ensuring practical skills are developed and reinforced on actual NexBot robotic systems. Key features and learning objectives of this course include mastering advanced motion commands, utilizing system variables and data structures, and implementing multi-tasking for parallel process execution. Participants will learn to program complex logic flows with conditional statements and loops, manage I/O signals for seamless integration with external equipment, and configure advanced error handling and recovery routines. The course also covers network communication protocols for M2M (machine-to-machine) interaction and the principles of creating efficient, readable, and maintainable code. By understanding these concepts, your team can reduce production downtime and enhance the overall efficiency of your automated workcells. This training is highly relevant for applications such as complex assembly, advanced palletizing with variable patterns, vision-guided pick-and-place, and coordinated multi-robot systems. The skills acquired are directly applicable to programming and troubleshooting NexBot R-Series, C-Series, and S-Series robots. To ensure a high-quality learning experience, class size is limited to a maximum of 6 participants, providing ample one-on-one interaction with our certified instructors. Upon successful completion of the course, attendees will receive a certificate of completion, validating their expertise in advanced NexBot robot programming.

Technical Specifications

Parameter	Value	Unit
Country of Origin	KR	

Safety Notice: This product must be installed and operated by qualified personnel in accordance with applicable safety standards (ISO 10218, IEC 61508).