

NexBot Robotics 232-001 Offline Programming & Simulation Software License

**NexBot
Robotics**

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Overview

The NexBot Robotics 232-001 Simulation Software License provides engineers and technicians with a comprehensive virtual environment for offline robot programming, system layout validation, and cycle time optimization. This powerful tool allows for the complete development, testing, and refinement of robotic applications in a digital twin environment, significantly reducing the need for physical robot access during the initial project phases and maximizing production uptime. Key features include a high-fidelity 3D kinematic simulation engine that accurately models the motion of NexBot robots, including the R-Series, C-Series, and S-Series. Users can import CAD models of tooling, fixtures, and workpieces to build a complete virtual workcell. The integrated collision detection feature prevents costly equipment damage by identifying potential interference between the robot and its surroundings before deployment. This proactive approach de-risks the commissioning process and accelerates project timelines. The software is essential for applications requiring precise path planning and efficiency, such as automated welding, complex assembly, and high-speed material handling. With the cycle time analysis module, engineers can predict operational throughput with an accuracy of +/- 2%, enabling data-driven decisions for process improvements. The license supports the simulation of up to 4 robots in a single workcell, making it suitable for designing complex, multi-arm automation systems. This single-seat license is delivered via digital download and activated with a unique key, providing full access to all simulation and offline programming features.

Technical Specifications

Parameter	Value	Unit
Country of Origin	US	

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

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