

NexBot Robotics 611-016

Perimeter Guard Panel

2000mm x 1000mm

NexBot
Robotics

SKU: NXB-GEN-611-016 | Category: Safety Systems >
Safety Fencing > Perimeter Guards

Overview

The NexBot Robotics 611-016 Perimeter Guard Panel is a critical component for constructing robust safety fencing systems around automated robotic workcells. This panel provides a physical barrier that prevents unauthorized or accidental access to hazardous areas during robot operation, ensuring compliance with essential industrial safety standards like ISO 13857 and RIA R15.06. Constructed from heavy-duty steel with a durable, corrosion-resistant powder-coat finish in a high-visibility yellow, the 611-016 panel is engineered for demanding industrial environments. The panel features a welded 40 mm x 40 mm wire mesh grid inside a rigid 40 mm tubular steel frame. This specific mesh size is a key safety feature, carefully calculated to prevent operators from reaching through the barrier into the robot's motion envelope. At the same time, it allows for clear visibility of the automated process. This transparency is essential for monitoring, troubleshooting, and maintaining operational awareness without compromising personnel safety. With overall dimensions of 2000 mm in height and 1000 mm in width, this panel offers substantial coverage and serves as a standard building block for modular fencing layouts. Its design ensures straightforward integration with the complete NexBot Robotics safety fencing ecosystem, including system posts, hinged or sliding access doors, and integrated safety interlock mounts. The modularity of the system enables the rapid design and deployment of customized workcell enclosures tailored to specific floor plans and application requirements, from simple single-robot cells to complex, multi-robot production lines. Typical applications for the 611-016 guard panel include creating secure perimeters for high-speed pick-and-place systems, material handling and palletizing cells, robotic welding stations, and automated assembly lines. Installation is streamlined through pre-drilled mounting points that align perfectly with NexBot Robotics safety posts (sold separately), ensuring a secure and rigid assembly. Regular visual inspection for physical damage or loose hardware is recommended as part of a comprehensive plant safety protocol to maintain the integrity of the safety system. This panel is a foundational element for building a safe, compliant, and productive automated environment.

Technical Specifications

Parameter	Value	Unit
Weight	24.5	kg
Material	Powder-Coated Steel	
Country of Origin	JP	

Parameter	Value	Unit
Dimensions	2000 x 1000 x 40 mm	

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