

NexBot Drives 642-002 Ceiling Or Wall Robot Mount

NexBot
Robotics

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Systems > Robot Mounts & Bases > Ceiling &
Wall Mounts

Overview

The NexBot Drives 642-002 Ceiling or Wall Robot Mount provides a robust and secure mounting solution for inverting or side-mounting compatible NexBot industrial robots, enabling greater automation flexibility in constrained environments. This mount is engineered to provide an unyielding foundation, ensuring that robot performance and repeatability are maintained even when operating at high speeds in non-standard orientations. Constructed from high-grade, powder-coated structural steel, the 642-002 mount offers exceptional rigidity and long-term resistance to corrosion and wear in demanding industrial settings. The design is optimized to safely support a total system weight—including the robot, end-of-arm tooling, and maximum payload—of up to 100 kg. This substantial capacity makes it suitable for a range of medium-payload articulated robots, allowing them to perform complex tasks without compromising stability. The precision-machined mounting interface features a hole pattern perfectly matched to compatible NexBot robot bases, which simplifies installation and eliminates the need for custom adapter plates. The main mounting plate has a thickness of 25 mm, providing a stiff, vibration-damping connection to the building structure. Key applications for this mount include overhead machine tending, where a robot can service multiple CNC machines or injection molding presses without obstructing floor access for operators or material transport. It is also ideal for arc welding, dispensing, and assembly tasks where the robot needs to approach the workpiece from above or the side. By freeing up valuable floor space, this mount allows for denser, more efficient workcell layouts. Installation requires secure anchoring to a suitable load-bearing structure, such as a steel I-beam or reinforced concrete ceiling, using the included high-tensile strength hardware. Always consult a qualified structural engineer and follow the detailed instructions in the NexBot installation manual to ensure a safe and compliant setup.

Technical Specifications

Parameter	Value	Unit
Weight	45.5	kg

Parameter	Value	Unit
Material	Powder-Coated Structural Steel	
Country of Origin	CH	
Dimensions	500 x 500 x 250 mm	

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