

NexBot Robotics 842-004 Conveyor Section 1500mm

NexBot
Robotics

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Overview

The NexBot Robotics 842-004 Conveyor Section provides a reliable and efficient solution for transporting parts and products within an automated manufacturing environment. This powered conveyor section is engineered to integrate seamlessly with NexBot Robotics systems, enabling continuous material flow for applications such as pick-and-place, assembly, inspection, and packaging. Its modular design allows it to be used as a standalone unit or connected with other sections to create a complete material handling line tailored to specific workcell layouts. Constructed from a heavy-gauge, powder-coated steel frame, the 842-004 section is built for durability and stability in demanding industrial settings. The unit measures 1500 x 400 x 900 mm, providing ample surface for a wide range of product sizes. The high-grip polyurethane surface ensures consistent part movement and positioning, which is critical for precise robotic interaction. The integrated power system allows for variable speed control, which can be synchronized with robot operations via its EtherCAT communication interface, ensuring parts arrive at the correct time and orientation. Key benefits include increased throughput, reduced manual handling, and improved process consistency. The IP54 rating protects the internal components from dust and water splashes, making it suitable for general factory environments. Installation is straightforward, with adjustable-height legs to ensure level alignment with other machinery. This conveyor section is an essential piece of workstation equipment for creating fully automated production lines, facilitating efficient machine tending, and moving finished goods away from the robotic cell. By automating material transport, facilities can redeploy human operators to more value-added tasks, enhancing overall operational efficiency.

Technical Specifications

Parameter	Value	Unit
Weight	95.0	kg
Material	Powder-Coated Steel Frame, Polyurethane Belt	
Voltage	480VAC	
IP Rating	IP54	
Country of Origin	KR	
Protocol	EtherCAT	

Parameter	Value	Unit
Dimensions	1500 x 400 x 900 mm	

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