

NexBot Robotics 842-013

Conveyor Section 1.5m

NexBot
Robotics

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Overview

The NexBot Robotics 842-013 is a standardized conveyor section engineered to facilitate reliable material transport within automated manufacturing environments. This 1.5-meter section provides a robust and flexible foundation for building or extending production lines for part transfer, assembly, inspection, and packaging applications. Its primary function is to move workpieces consistently and accurately into and out of robotic workcells, ensuring a smooth and efficient workflow. The core of the 842-013 section is its heavy-duty, anodized aluminum frame, constructed from 6061-T6 aluminum. This material choice offers an excellent strength-to-weight ratio, providing structural rigidity while remaining easy to handle and install. The frame incorporates standard T-slots along its length, allowing for the simple and secure mounting of guide rails, sensors, stops, and other peripheral equipment without the need for drilling or welding. This modularity is a key benefit, enabling rapid reconfiguration of the production line as process requirements change. With a uniform width of 500 mm, this conveyor section is designed to integrate seamlessly with other NexBot workstation equipment and is compatible with a wide range of NexBot robots, including the R-20 and C-10 series. The section is rated for a distributed load of up to 100 kg per meter, making it suitable for handling a variety of components, from small electronics to larger machined parts. The adjustable-height legs (sold separately) allow for precise leveling and ergonomic alignment with other machinery. Installation is straightforward, utilizing pre-drilled connection plates to join multiple sections together for longer transport lines. This design ensures that your material handling system can be scaled and adapted to meet future production demands.

Technical Specifications

Parameter	Value	Unit
Weight	45.5	kg
Material	Anodized Aluminum 6061-T6	
Country of Origin	US	
Dimensions	1500 x 500 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).