

# NexBot Robotics 842-005 Conveyor Section 2000mm

NexBot  
Robotics

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## Overview

The NexBot Robotics 842-005 Conveyor Section is a modular, high-strength component designed for seamless integration into automated material handling systems and robotic work cells. This structural section serves as the foundational element for building custom-length transport lines for assembly, inspection, and packaging applications. Constructed from a robust, hard-anodized aluminum extrusion, this conveyor section offers an excellent combination of low weight and high rigidity, ensuring stable and reliable parts transport. The profile features integrated T-slots along its length, providing versatile mounting options for guide rails, sensors, stops, and other peripheral devices without the need for drilling or welding. This modularity significantly simplifies system setup, modification, and maintenance. The conveyor section has a total length of 2000 mm and a standard width of 500 mm, making it suitable for a wide range of part sizes and production layouts. Its design supports a distributed load capacity of up to 150 kg per meter, accommodating both lightweight components and heavier workpieces common in industrial environments. This conveyor section is engineered to work alongside NexBot Robotics systems, facilitating pick-and-place, machine tending, and line-tracking operations. By establishing a consistent and predictable flow of materials, it enables robots to perform tasks with greater efficiency and accuracy. Installation is straightforward, with standardized connection points allowing multiple sections to be joined together to create extended conveyor lines tailored to specific facility requirements. The 842-005 section is delivered as a structural frame, ready for the integration of a compatible belt, rollers, and drive system.

## Technical Specifications

| Parameter         | Value               | Unit |
|-------------------|---------------------|------|
| Weight            | 55.5                | kg   |
| Material          | Anodized Aluminum   |      |
| Country of Origin | US                  |      |
| Dimensions        | 2000 x 500 x 150 mm |      |

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

