

PUDU T300 Conveyor

Industrial Delivery Robot



Flexible Scenario Adaptation



Seamless Production Line Integration



Precision and Efficiency



Versatile Applications



24/7 Continuous Operation

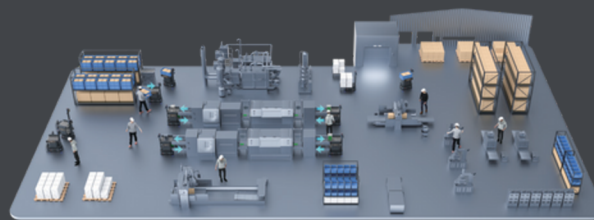


IoT Communication Integration



The T300 Conveyor is equipped with a self-powered roller system, enabling seamless integration with automated conveyor lines and other material handling equipment. It facilitates efficient material transfer and transportation between different stations.

- Real-Time Monitoring: Integrated with in-position detection sensors to monitor material status.
- IOT Connectivity: Communicates with conveyor systems via IoT modules for safe and efficient operations.
- Application: Ideal for fully automated, intelligent material transfer in factories, warehouses, and similar scenarios.



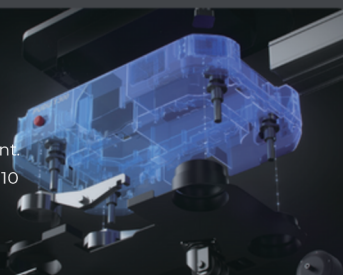
IoT-Enabled Connectivity

- Integrated PLC communication for automated material pickup/delivery notifications.
- Supports access control, autonomous elevator integration, and self-networking callers. Modular integration into production workflows without complex system modifications.



24/7 Uninterrupted Operation

- Dual charging modes: Direct charging or battery replacement.
- 2-hour charging supports over 10 hours of runtime, ensuring continuous



Flexible & Multi-Functional Applications

- Supports "Human-to-Line," "Line-to-Line," and "Line-to-Human" material transfer modes.
- Compatible with manual/automated loading and unloading.



Precise & High-Efficiency Material Handling

Accuracy: ±0.4 inches (±10 mm)
Capacity: Single-layer load up to 176 lbs (80 kg); expandable to double-layer rollers for 352 lbs (160 kg) total capacity.



Enhanced Safety Compliance

- Meets ISO 3691-4 standards. Multi-layered
- safety: LiDAR, vision systems, safety bumpers, and in-position sensors to monitor material placement.



Adjustable Dimensions for High Adaptability

Length: Up to 25.6 inches (650 mm)
Width: Adjustable from 4.7 inches (120 mm) to 21.3 inches (540 mm)
Height: Adjustable working surface height (12.0–43.3 inches / 305–1100 mm)
Orientation: Roller direction adjustable for multi-angle docking.



		Single Layer	Double Layer
Basic Parameters	Dimensions (L*W*H)	Front/Rear: 32.9×26.2×53.1 in (835 mm*665 mm*1350 mm) Left/Right: 32.9×25.6×53.1 in (835 mm*650 mm*1350 mm)	
	Weight	265 lbs (120 kg)	397 lbs (180 kg)
	Passage Width	29.5 in (75 cm)	
	Max Speed	3.9 ft/s (1.2 m/s)	
	Docking Accuracy	±0.4 in (±10 mm), ±1°	
	Runtime(Empty)	12 h	10 h
	Runtime(Full Load)	10 h	8 h
	Charging Time	2 h (0-90%)	
Roller Parameters	Number of Layer	1	2
	Rated Load per Layer	176 lbs/layer, 80 kg/layer	
	Conveyor Depth	25.6 in (650 mm)	
	Conveyor Width	4.7–21.3 in (120 - 540 mm) adjustable	
	Conveyor Height	Ground clearance ≥12 in (305 mm)	



Q Pudu Robotics

global_sales@pudutech.com

www.pudurobotics.com