

Solutions for DC Powered Conveyor Systems

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About Us

Bamboo Dynamics Corporation.,Ltd. is headquartered in Hsinchu, Taiwan's Leading Technological Hub, with supporting offices located in the Americas, Europe, and Asia.

We design, develop and manufacture smart logistics, mechanical automation and motor control, wireless technology, AI and machine learning solutions. Being part of the BlackBear TechHive, we create highly-integrated solutions by leveraging cross-domain expertise in industrial network communication, manufacturing, logistics systems, cyber security and more.

Our current portfolio is suitable for a wide range of applications. But we also continuously upgrade and expand our line by listening to and responding to our users' needs. To us, innovation is never just new technology, but technology that works—for you, and for the future.

Feature Highlights



Long Life



Power Efficient



Safe Operation



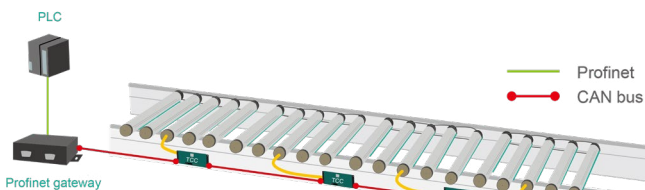
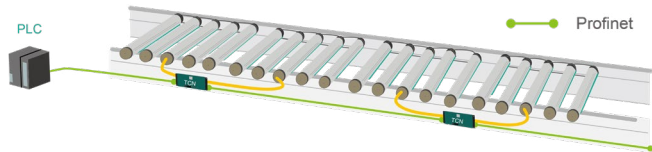
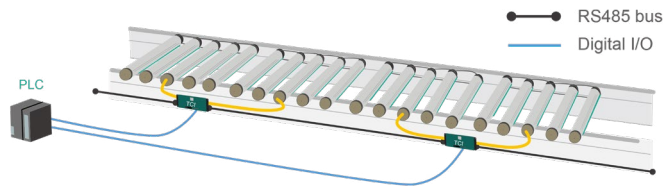
Low Noise

TRUEControl

Intelligent control card series



Communication modes & installation examples

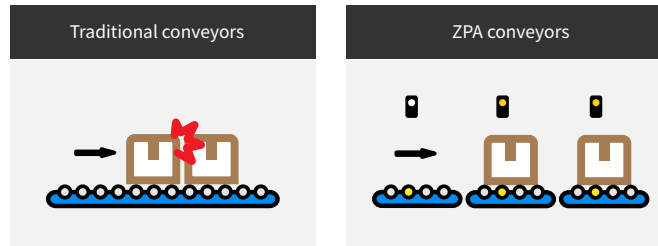


Built-In Zero Pressure Accumulation (ZPA)

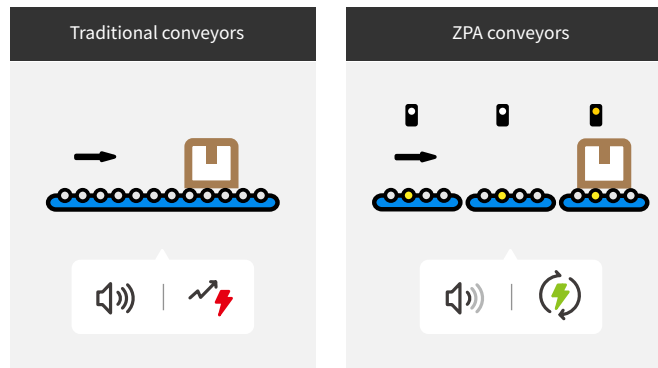
ZPA manages a conveyor system in small zones, adjusting individual zone transmission according to its upstream or downstream conditions.

- Photo-eye sensors verify when products reach or leave a position, and check that products are conveyed downstream as needed.
- Brake controls ensure that even when accumulation occurs, goods will not suffer undue collision that may result in crushing, falling, or incorrect transmission.

Accumulation of conveyed items

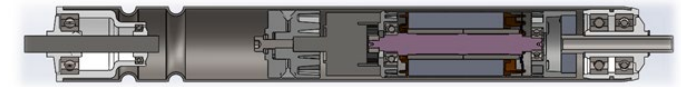


Power consumption and noise



TRUERoller

Motor driven roller series



- 24 VDC, max. 4 A, up to 70 W
- Roller diameter : 48.3 mm (1.9") and 50 mm (1.97")
- Roller length : 400 mm to 1000 mm (15.75" to 39.37")
- Mechanical brake : 0.25 Nm
- Interlocking : straight, round groove, poly-V, poly-O, toothed

Bamboo EMS

Equipment Management System



Auto Scan



Auto Configuration



Troubleshooting

Manual/Batch Configuration



Summary & Detailed Status



One-click Firmware Upgrade

