



Precision Edge Roller Pallet & Tray Handling Conveyors







ERT[®]250 Conveyors are best for:

- Pallet & Tray Handling
- Medical Product Manufacturing • No & Low Back Pressure Accumulation

Automotive Assembly

- Cleanroom Applications
- Large & Medium Assembly Automation
- Packaging
- Medical Device Manufacturing
- Electronic & Consumer Goods Assembly
- Appliance Manufacturing

- Sizes & Measurements
 - 120 mm to 960 mm wide
 - 150 mm long tray minimum
 - 38 mm diameter rollers on 50 mm centers

Slip & Driven Rollers



Driven Roller (over molded on shaft)



Slip Roller

Slide Rail Options

Aluminum frame with two T-Slot options



T-Slot Rail



Flush Side Rail (Cleanroom)

Loads & Speeds

- · Loads: up to 114 kg (250 lbs) per pallet or tray
- Up to 6.8 kg (15 lbs) per roller
- Speeds: up to 37 m/min (121 ft/min)



Pallets

- 320 to 800 mm pallets
- Static conductive HPDE skirt
- · Proximity sensor pick-up on side and bottom
- Optional pin tracking ball ٠ bearings for corner conveyors



Modules



Lift & Locate



90 & 180 Degree Corners



Lift & Rotate





Lift & Transfer



INDUSTRY LEADING TECHNOLOGY



Zone & Slip Roller Technology

- Non-contact zone control provides simplified traffic control, eliminating pallet stops and costly pneumatic valves
- Low back pressure slip rollers can be used for full length with conventional pneumatic pallet stops
- Individual rollers can be replaced if damaged without affecting the remaining portion of the conveyor
- No belts, reducing product contact and debris

Easily Reconfigurable

- Gears, drive shaft, and gearmotor can be repositioned in the field
- The gearmotor can be moved on 250 mm increments
- Lower gears can be removed and gearmotor added to create new zones
- The drive shaft can be moved to any roller zone
- The drive shaft can be relocated to the lower height for added product clearance

Patent Pending Gearbox Drive Design

- Durable, patent pending linear gearbox design provides a robust and flexible method of driven rollers
- · Brushless DC gearmotors and controllers
- · Reversible motors for assembly automation
- 50 watt, 3.5 amp, low voltage brushless DC motors are used to save space and provide improved efficiency
- All motor controllers are Ethernet IP, Modbus TCP or PROFINET for ease of control logic, wiring and communication

The Benefits of a Dorner ERT250 Conveyor

Industry Ready

- Reliable and adaptable edge roller platform for the conveyance of medical and cleanroom-based product assembly
- Versatile and durable low back pressure platform for the conveyance of appliance, electronics, automotive and consumer goods product assembly
- · Open drive roller design with aluminum frames
- ISO Class 4 verified for cleanroom applications

Simple & Effective Design

- · Non-contact zoning and/or slip roller accumulation capability
- · Patent pending linear gearbox technology
- Designed for configuration and modifications in the field
- · Variety of automation modules for product traffic control

Safe & Efficient

- Non-jamming; open drive rollers reduce pinch points
- Low-voltage motors are designed to reduce power consumption







Industrial & Automation Conveyors









Engineered Solutions











Parts



Service



Online Configurator

Warranty

Transforming Conveyor Automation

Dorner – North & South America

Dorner – U.S.A. **Headquarters** 975 Cottonwood Ave Hartland, WI 53029, USA (800) 397-8664 (262) 367-7600 info@dorner.com

Dorner – Europe Dorner – Germany

Karl-Heinz-Beckurts-Straße 7

Dorner – Canada 100-5515 North Service Road Burlington, Ontario L7L 6G6 Canada (289) 208-7306 info@dorner.com

Dorner – France

8 rue des Frères Caudron

78140 Velizy-Villacoublay

+33 (0)1 84 73 24 27

info.france@dorner.com

Dorner – Latin America Carretera a Nogales #5297, Nave 11. Parque Industrial Nogales Zapopan, Jalisco C.P. 45222 Mexico +52.33.30037400 info.latinamerica@dorner.com





Dorner – Asia

+49 (0) 2461/93767-0

info.europe@dorner.com

52428 Jülich,

Germany

128 Jalan Permatang Damar Laut, Bayan Lepas 11960 Penang, Malaysia +604-626-2948 | info.asia@dorner.com

dornerconveyors.com

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France