

Model 2050 Board Inverter



Standard Features

- Closed-loop servo invert mechanism
- High-speed DC stepper motor conveyor
- One-piece, machined aluminum carriage plates
- Hand crank width adjust
- Zero-backlash invert mechanism
- Bidirectional conveyor
- Slide-out electrical panel

Application

The Model 2050 Board Inverter is capable of rotating products 180° about a horizontal axis. The system can also pass product through without inverting; accept, invert, and discharge from the same side; or invert and pass. Invert cycle time is approximately four seconds.

Typical applications include:

- In-line transition from top side to bottom side manufacturing
- Flip and return for islands of automation, such as conformal coating

Available Options

- Touchscreen User Interface
- Power width control - motorized conveyor width, set with thumbwheel indicator. Ideal for high-mix environments.
- Dual Lane Conveyors - adds second lane for increased throughput.
- Tooled Width Adjust - secures adjustable rail with tooled brackets. Lowers cost and works well in low-mix production.
- Large frame version - increases capacity to 18" x 24" board (450mm x 600mm)
- Belt Width - 3mm or 5mm
- CE compliance - addresses electrical filtering, frame grounding, and other CE requirements.

We welcome custom applications.

Additional Benefits

- Servo controlled invert system allows the user to fine-tune the invert speed and stop location.
- Dual belt drive system holds product from the top and bottom, ensuring the product is successfully transferred and safely inverted.
- Zero-clearance edge guides eliminate the danger of boards becoming jammed under the edge guide.
- Standard Allen-Bradley controller system can be expanded to include network capability.
- Optional powered width control feature allows the operator to specify an exact conveyor width by entering it via thumbwheel.
- Separate teach positions can be taught for invert and pass-thru positions.