

exatron MODEL 8000-2 BIB

HIGH VOLUME BURN-IN BOARD TRANSFER HANDLER



- Quickly transfers devices from JEDEC tray stackers to burn-in board and back again.
- Two JEDEC tray stackers, three main operations:
 - 1) Load only from trays to empty BIB.
 - 2) Unload only from BIB to trays, pass/fail sorting.
 - 3) Unload BIB to 1st tray, then load to BIB from 2nd tray. (3rd tray option required if pass/fail sort is necessary.)
- Accommodates clam shell and open top sockets
 - Servo motor-driven lifter/pusher bars open/close clam shell sockets.
 - Unique pusher pickup heads open/close open top sockets.
- Easy to remove BIB and quick changeover from clam shell to open top sockets.
- Midpoint transfer station precisely devices and doubles system UPH. Z car #1 loads/unloads devices to transfer station, while Z car #2 loads/unloads devices from transfer to BIB.
- 360° rotating pickup heads on Z car #1 move devices from tray to transfer station.
- Designed and built in San Jose, CA



Lifter Fingers (front) and Pusher Blocks (back)
Open/close Clam Shell Sockets



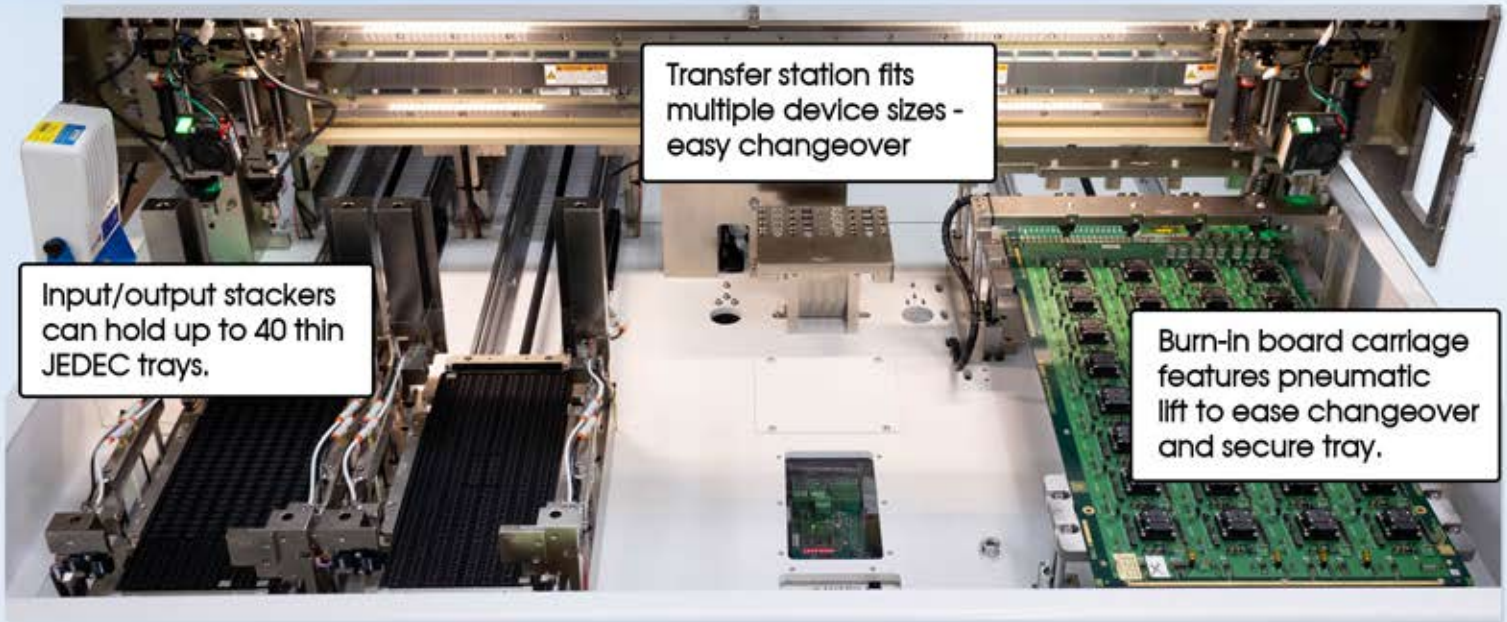
Pusher Pickup Head Opens/Closes
Open Top Sockets





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Transfer station fits multiple device sizes - easy changeover

Input/output stackers can hold up to 40 thin JEDEC trays.

Burn-in board carriage features pneumatic lift to ease changeover and secure tray.

System Features (as shown):

- Two rotating pickup heads, two standard pickup heads (change to pusher heads for open top sockets).
- Windows 10 operator GUI.
- Dino-lite digital microscope assists with fine-tuning of production distances.
- Light curtain provides maximum security.
- Meets all ESD requirements. CE mark available.
- No mechanical or electrical calibrations required.
- World's easiest handler to self-service.

Options:

- 3rd stacker or single reject JEDEC tray.
- Front and back 10 BIB magazine elevators, allows up to 10 BIBs to be processed at one time.
- Good/bad device sorting software.
- 1D/2D bar code reader and vision upgrades.

Specifications:

- Power: 100-240 VAC 50/60 Hz @ 240 Watts
- Air: 5.9 bar (85 PSI) @ 3 CFM
- Operational Temp: 13-32°C (55-90°F)
- Humidity: 35-90% RH non-condensing

Positioning System:

- X Axis Drive System: Linear motors with digital encoders
- X Axis Resolution: 0.03mm (0.001")
- X Axis Max. Velocity: 150cm/s (60"/s)
- Z Plunger and Y Tray: Servo motor-driven lead screws
- Z & Y Axis Resolution: +/- 0.1mm (0.003")
- Z & Y Axis Repeatability: +/- 0.1mm (0.003")
- Placement Force: Up to 10kg (20 lbs) force with standard pickup heads
- Theta Drive System: Precision stepper motors
- Theta Axis Resolution: 0.1°
- Theta Axis Repeatability: +/- 0.1mm (0.003")



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