

# exatron MODEL 8000

UNBELIEVABLE THROUGHPUT, UNMATCHED VALUE

**Up to 7200 UPH**  
(Depends on options.)

With its modular building block concept, The Model 8000 offers unparalleled throughput and flexibility.



Model 8000-3C -  
Two Input/Output Stacks,  
Top-side OCR, Bottom-side  
Robotic Alignment,  
Tape Input/Output  
with In-tape Presence  
Inspection



Model 8000-5C - Five Input/Output  
Stacks, Two Ping Pong Pickup Heads,  
Top-side and Bottom-side Inspections,  
Large Test Site Dock

## FEATURES

- Gantry lengths up to 4m (157").
- Fits up to 10 automated input/output tray stackers.
  - Stackers fit up to 40 thin JEDEC trays each.
- 1-3 Z cars with up to 16 pickup tips each.
- 1-128 test/program sites.
- -55°C-155°C test capability.
  - Hot/cold/ambient in one insertion.
- Adapts to nearly any tester/programmer.
- Multiple input/output, laser, and vision options. (See reverse.)



2842 Alello Drive, San Jose, CA 95111  
1-800-EXA-TRON 1-408-629-7600 [www.exatron.com](http://www.exatron.com)

# exatron MODEL 8000

## SPECIFICATIONS AND OPTIONS

### Positioning System:

X Drive Gantry: Digital linear motors and linear encoders

X Axis Resolution: 0.03mm (0.001")

X Axis Max. Velocity: 150cm/s (60"/s)

Y Drive Tray: Servo motor-driven lead screws

Y Axis Resolution: 0.1mm (0.003")

-Y Axis digital linear motor upgrade available.

Z Plunger: Servo motor-driven lead screws

Z Axis Resolution: +/- 0.1mm (0.003")

Z 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")

### Options:

#### Input/Output:

- Tape & Reel
- Bulk
- Bowl Feeder
- Tube
- Magazine

#### Test Interface:

- TTL handler port
- RS-232
- Ethernet
- GPIB
- TCP/IP
- SECS GEM

#### Vision:

- Pocket occupation & device orientation
- OCR/OCV
- 2D/3D lead/ball inspection
- 1D/2D data matrix read/verification
- Top and/or bottom-side vision
- Pocket occupation/orientation inspection standard with output tape

#### Laser:

- Mark in tray, no additional tooling
- Wide selection of OEM laser markers
  - Solid-state, fiber, diode, and CO<sub>2</sub>
- CDRH Class 1



Model 8000 -  
Four Input/Output Stackers,  
Quad Pickup Head,  
Top and Bottom-side Inspection  
and Two Hot/Cold/Ambient  
Test Head/Sites



Model 8000-5C -  
Five Input/Output Stackers,  
16 Pickup Heads  
128 Test Sites



Model 8000-PR -  
Two Input/Output Stackers,  
One JEDEC Tray, Eight Pickup Heads,  
16 Program Sites, and Laser Marking



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