

EET 1000 & EET 2000

Ergonomic Wafer Transfer System

For 100mm, 125mm,
150mm, 200mm
and 300mm
Wafers

- Ergonomic carrier placement
- Simplified control panel
- Stepper motor precision
- Operates robotically via RS-232 interface port
- Optional process turntable carrier

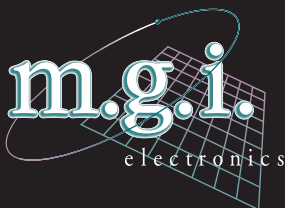
For high reliability wafer transfer with a minimum of human interaction, MGI's E.E.T. 1000 and 2000 mass wafer transfer system combines solid state technology, robotic control interfaces and precision stepper motor positioning to move wafers from carrier to carrier.

The advanced on-board computer, positioning sensors and precisely tooled wafer contact parts, deliver proven wafer handling techniques and enhance yields.

The E.E.T. 1000 and 2000 series wafer transfer system can become part of a completely integrated, automated environment via a nine-pin RS-232 serial port.

E.E.T. 1000 and 2000 accepts standard or contiguous carriers and can be configured for a variety of wafer transfer needs.

- 25-25
- 25-50
- 12-13
- Back to back proximity
- 13-26 (300mm only)
- Teflon coated for CMP and wet docks



EET 1000 & 2000 Ergonomic Wafer Transfer System

Enhanced, Simple-To-Operate Keyboard

For production mode operation, a simple push-button keyboard gives the operator reliable control over wafer transfer operations. A simple mode select switch allows the operator to select transfer between process carrier to process carrier.

Space Efficient And Smart

Smooth-running stepper motors are computer controlled with built-in logic features that prevent damage to the system or wafers. For example, if the controls sense an unscheduled stop or obstruction in either stage, the E.E.T.'s elevator will reverse automatically and return to the starting position. Similar safety features prevent reloading accidents after power failures or system interrupts.

E.E.T. Models For 100MM, 125MM And 150MM Wafers

Models are available for 100mm, 125mm and 150mm wafers. These machines are designed to accommodate contiguous (angle) quartz, silicon carbide, polysilicon, and integris carriers.

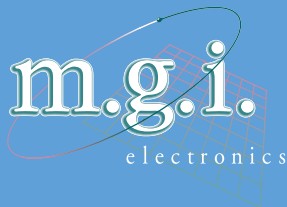
Dedicated 200MM And 300MM Wafer

E.E.T. 1000 And 2000 Systems

For 8" (200mm) wafers and 12" (300), a dedicated system offers all functions found in other units.

Custom Design Available

For unique applications, MGI offers custom design and manufacturing using our proprietary transfer technology. Systems have been modified for diverse semiconductor applications.



MGI, Inc. - A World Leader In Wafer Handling Since 1974

In 1974, MGI developed the first wafer transfer unit which revolutionized the semiconductor industry. Since that time the company has delivered over 7,000 wafer transfer systems, flat aligners, notch aligners and custom systems to semiconductor manufacturers throughout the world. With patented technology and precisely tooled wafer contact and handling components, MGI has become a first choice among FAB managers.

Service, Support And Warranty

MGI's service warranty coverage includes all parts, excluding wafer contact parts, and labor required for repair of systems used within the manufacturer's warranty requirements. Extended post-warranty service and support are available with optional service and maintenance agreements.

Specifications

Power Source

100-200 VAC - 1.50 AMP fuse size

200-240 VAC - .075 AMP fuse size

(preset at the factory for the country of destination)

Wafer Transfer

25 to 25, 25 to 30 Wafer Transfer (Plastics, Quartz, or other carrier). Each system is custom-made to accommodate particular carriers.

E.E.T. 2000 Dimensions for 100MM to 150MM Systems

Width: 12.125" (0.307.975mm)

Slide Table Width: 18.500" (0.469.900mm)

Height: 29.125" (0.638.175mm)

Depth: 13.125" (0.349.251mm)

Weight: 40lbs. (28.12kg)

E.E.T. 2000 Dimensions for 200mm Systems

Width: 14.125" (0.358.776mm)

Slide Table Width: 18.500" (0.469.900mm)

Height: 29.675" (0.753.746mm)

Depth: 15.675" (0.398.146mm)

Weight: 81lbs. (36.74kg)

E.E.T. 2000 Dimensions for 300MM Systems

Width: 19.625" (498.475mm)

Slide Table Width: 31.375" (796.925mm)

Height: 39.875" (1012.825mm)

Depth: 15.750" (400.05mm)

Weight: 100lbs. est. (45.35kg)

E.E.T. 1000 Dimensions for 100MM to 150MM Systems

Width: 12.125" (0.307.975mm)

Height: 29.125" (0.638.175mm)

Depth: 13.125" (0.349.251mm)

Weight: 40lbs. (28.12kg)

E.E.T. 1000 Dimensions for 200MM Systems

Width: 14.125" (0.358.776mm)

Height: 29.675" (0.753.746mm)

Depth: 15.675" (0.398.146mm)

Weight: 81lbs. (36.74kg)

E.E.T. 1000 Dimensions for 300MM Systems

Width: 19.625" (498.475mm)

Height: 39.875" (1012.825mm)

Depth: 15.750" (400.05mm)

Weight: 100lbs. est. (45.35kg)

Wafer Sizes

The E.E.T. 1000 and 2000 Ergos can be adjusted to accommodate wafer sizes from 100mm to 300mm.

RS-232 Port

A standard 9-pin D-SUB connector is provided for the RS-232 port.

Notch Aligner

MGI provides an A/C receptacle for its automatic flat aligners.

For more information, pricing and custom design options contact:

MGI Electronics

1203 W. Geneva Drive

Tempe, AZ 85282

(480) 967-8011 FAX (480) 967-8015

Web site <http://www.mgielectronics.com>