

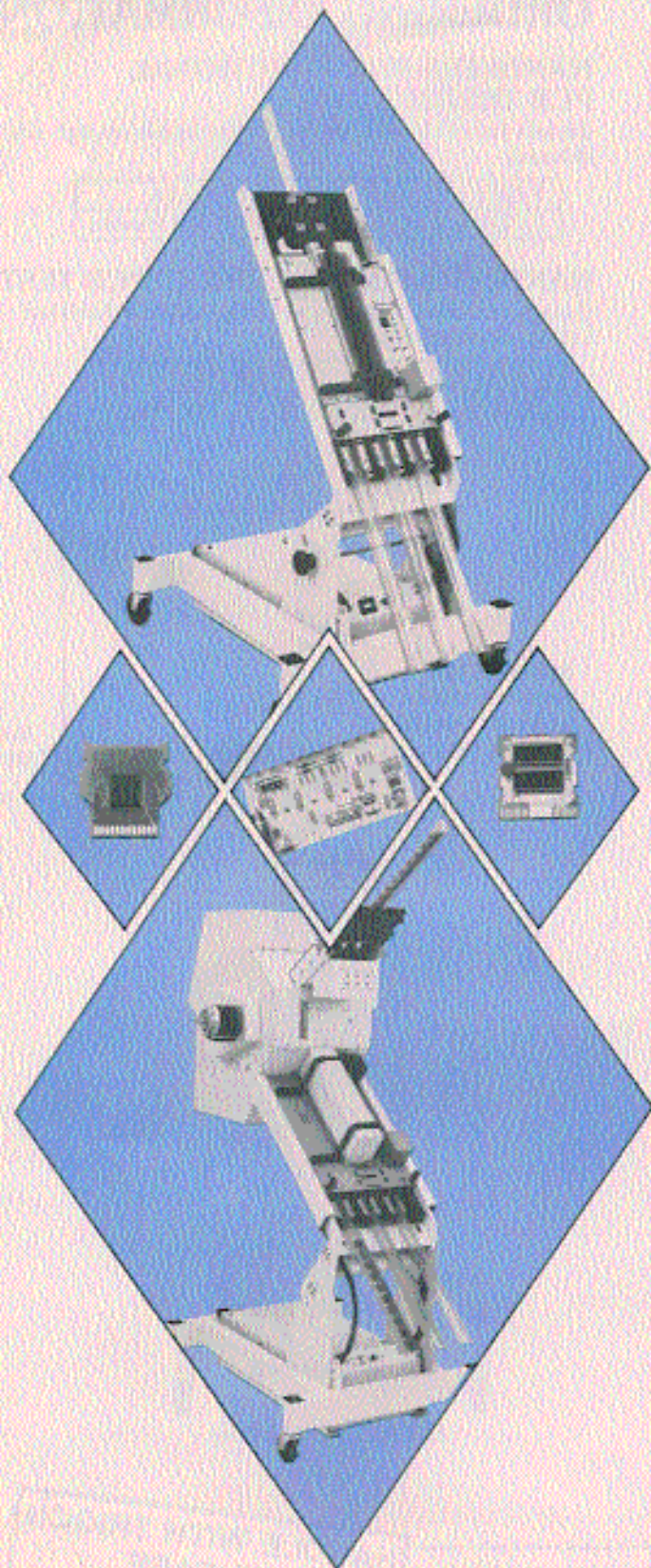


**AMERICAN**  
TECHManufacturing

## T-2205 & T-2210 PCB Handlers for Functional or In-Circuit Testing

Completely unique in the industry, Trigon's new T-2205 and T-2210 series of PCB handlers provide size, temperature and test-site versatility for the most demanding needs. Four configurations of handlers are available for functional or in-circuit testing at room ambient or elevated temperature. Bonus features include:

- 3600 UPH minimum test rate including approximately 600 msec free test time
- A choice of input or output options including tube, cassette or tray
- Simple, straightforward design – only 3 moving parts on ambient handler and five on environmental
- Fail-safe interlocks for all sorting and temperature functions
- Unobstructed interface to large test heads
- Size adjustable
- Rugged, reliable Trigon construction throughout



**PACE-SETTERS IN MODERN AUTOMATED HANDLING**

# SPECIFICATIONS

## PCB SIZE RANGE

**Height:** 1" to approx. 3"  
**Width:** 1" to approx. 2.5"  
**Thickness:** 0.0625"  
*\*In two selectable ranges  
(other sizes available, contact factory)*

## TEST SITE

See ORDERING INFORMATION for description of functional and in-circuit handlers

## ENVIRONMENTAL (T-2210 only):

**Range:** To 85°C  
**Stability:** ± 3°C  
**Set Point Accuracy:** ± 3°C  
**Guard Band Selectable:** ± 3, 4, 5°C  
**Soak Time Selectable Increments:** 50, 70, 90, 110, 130, 150, 170, 190, 210 sec.  
**Temperature Interlocks:** System operation and/or PCB testing is inhibited until selected soak time has elapsed and desired test temperature is within selected guard bands. Visual alarm warns operator to load new tube into input at least one slot increment in advance of need.

## Pre-soak Storage

**Capacity:** 80 PCBs 1.7"W or 60 PCBs 2.25"W or any combination totalling 150" in 7.5" groups.

## THROUGHPUT

**Ambient:** 3600 UPH minimum including approx. 600 msec free test time average  
**Elevated Temperature:** Dependent upon desired test temperature, PCB and device characteristics.

## INPUT

**Standard:** Tube style  
**Optional:** Cassette or tray

## OUTPUT

**Standard:** Fail-safe sorting to 3 tube positions  
**Optional:** Cassette or tray

## UTILITIES

**T-2205:** 110-125/210-260 VAC, 50/60 Hz  
**T-2210:** 195/240 max. VAC single phase, 50/60 Hz

SIZE	Ambient	Environmental
Load Height:	45"	64"
Overall Height:	48"	67"
Width:	30"	30"
Depth:	36"	36"

**MOUNTING** Mobile floor stand

## TESTER INTERFACE

**Electrical:** All control signals are optically isolated and may be either negative or positive true. The handler issues a 40 msec Start Test pulse. Inputs to the handler consist of a Sort pulse and optional End-of-Test pulse. One set of handler mating connectors is shipped with each unit.

**Mechanical:** Large, unobstructed plane provides intimate interface to large test heads such as Sentry VII, 120-pin, when mounted on test head manipulator such as that manufactured by RAM. Interface to an existing RAM Manipulator requires installation of manipulator modification kit available from RAM of Trigon.

# ORDERING INFORMATION

## HANDLERS FOR FUNCTIONAL PCB TESTING

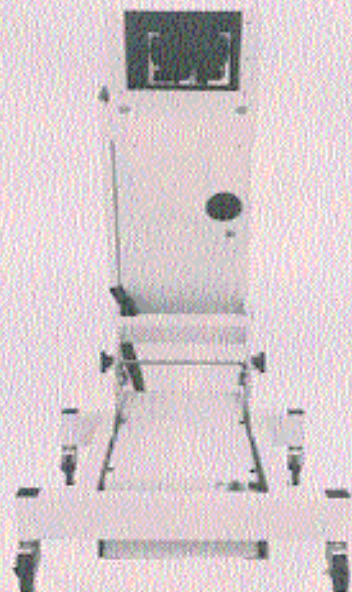
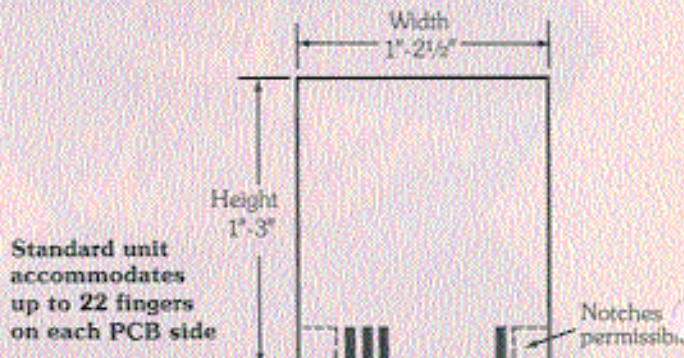
(Include Kelvin Contact Set for 22 edge fingers on each side of board)

T-2205-1	Ambient PCB Test Handler
T-2210-1	Environmental PCB Test Handler

## HANDLERS FOR IN-CIRCUIT PCB TESTING

(Include articulated frame for mounting customer furnished bed-of-nails test fixture)

T-2205-2	Ambient PCB Test Handler
T-2210-2	Environmental Test Handler



T-2205-1 REAR VIEW



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