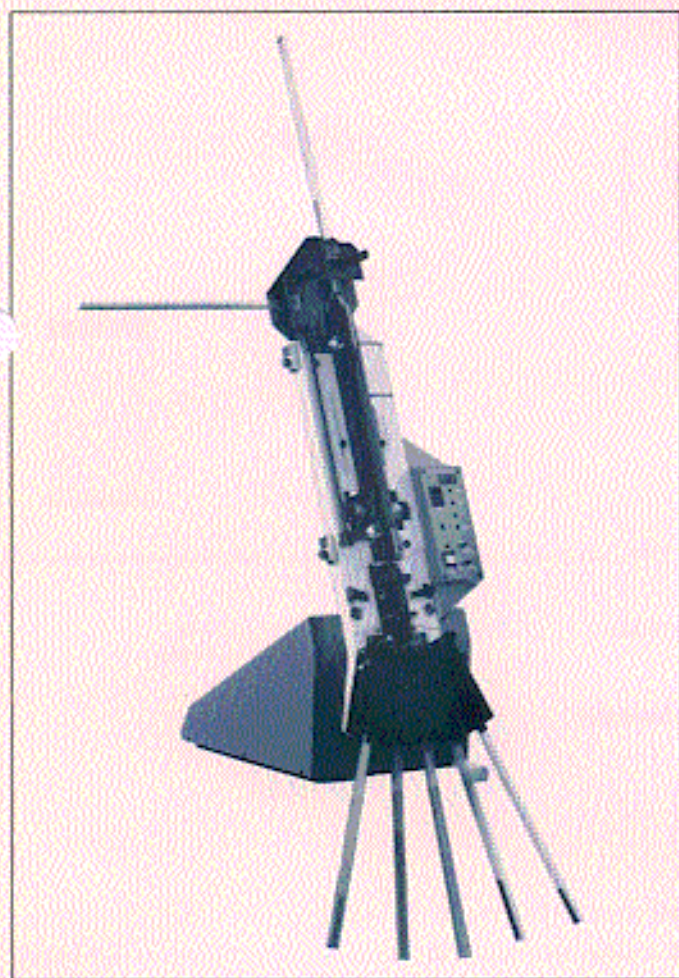


## 5- SORT HEAVY DUTY DIP HANDLER FOR HIGH VOLUME PRODUCTION TESTING



### FEATURING

- Fail-Safe Sorting
- Heavy Duty Mechanisms
- Long Life Solenoids* – a TRIGON-developed exclusive
- Secure Supervisory Controls
- No EMR during test time
- Leads-up device processing
- Digital Set-up Dials\*
- Serial or Parallel operation
- 5-Sort Programmable Output
- T-2070 Elevated Temperature Handler also available

\*Size adjustable .300" to .600"  
6-40 leads without change kits.

### GENERAL DESCRIPTION:

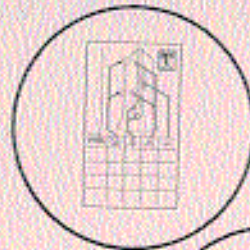
The T-2060, 5-Sort Ambient Test Handler is a most reliable and cost effective solution to high volume testing problems. Each element of the handler is designed to ensure continuously dependable service under the frequently severe environment encountered in production test applications. To insure continued reliability with a minimum of maintenance, TRIGON has eliminated all complex high-speed mechanisms and reduced the number of moving elements to an absolute minimum, performing the remaining functions with *long life solenoids*, a TRIGON-developed exclusive. Rugged assemblies such as these combine with the proven advantages of leads-up handling to provide smooth, reliable operation.

The DIAL-A-SIZE T-2060 may be set up for processing .300" to .600", 6-40 lead devices, using simple digital dials and calibrated scales — no change kits are required. Handy set-up cards provide a log of settings for DIAL-A-SIZE adjustment of previously processed devices. This size adjustment capability is not only cost effective, but can produce superior processing of package types which fixed size handlers find extremely difficult to process reliably, such as 6-lead Mini-DIPs.

DUAL-A-SIZE  
RAPID SET-UP  
with Digital Dial  
and Direct Reading Scales.



SET-UP CARDS  
Handy cards provide  
a convenient reference log.



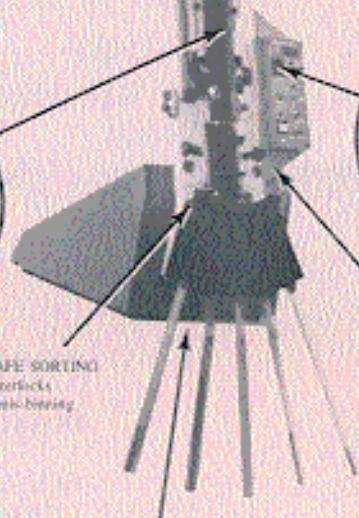
UNRESTRICTED  
INTERFACE ACCESS  
Remove test head and  
large tester performance  
boards plug directly onto  
connector edgeboard.

40-Pin Kelvin Connector

SECURE SUPERVISORY  
CONTROLS Inside for  
- Sorting Programs  
- Reset Selection  
- Parallel or Serial Mode Select

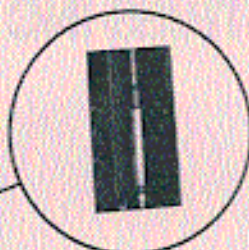
CONTROL INTERFACE CONNECTOR

FAIL-SAFE SORTING  
Triple interlocks  
prevent mis-loading.

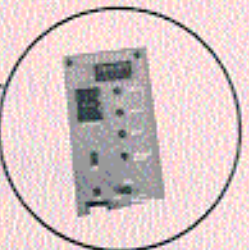


SELF-ALIGNING OUTPUT  
Eliminates tedious  
adjustments.

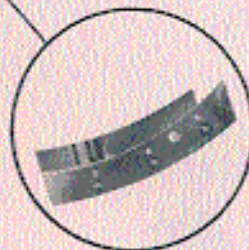
DUAL TUBE INPUT



OPERATOR CONVENIENCE  
Devices always in full view  
as they flow from input tube  
to output tube.



STATUS MONITORS  
continuously indicate handler  
function.  
Digital readout shows assigned  
sort location.



Dual Function Output Lamps  
Flash to indicate full tube —  
continuous when tube are in  
place.

THOROUGH DOCUMENTATION

Detailed manual contains  
- exploded view drawings of  
mechanical assemblies.  
- functional schematics with  
complete signal and source  
references.  
- illustrated parts list.  
- step-by-step set-up and  
operating instructions.



## SPECIFICATIONS

<b>Package Style:</b>	Dual-in-line, 6 to 40 leads <b>Width:</b> 7.62 mm to 15.24 mm, (.300" to 0.600") <b>Thickness:</b> 2 mm to 5 mm, (.080" to .200") <b>Length:</b> 9.5 mm to 57 mm, (.375" to 2.250") <b>Lead Type:</b> Side-brazed and bent lead.
<b>Throughput:</b>	Parallel Mode — 7000 UPH @ zero test time. 6300 UPH including 100 msec test time. Serial Mode — 7000 UPH @ zero test time. Typical for 300 mil, 14-lead device.
<b>Input:</b>	Universal Dual-Tube Swivel, Standard Automatic Tube Handling Module for 25 tubes available.
<b>Output:</b>	Five sorting positions with full intermix programming and automatic stepover. Tube-in-place detector, jam sensor and sorter position interlock detector for each output position. Universal tube holders. Automatic Tube Handling Modules, each accommodating 25 loose tubes, are available.
<b>Contactor:</b>	40 lead, Kelvin.

<b>Utilities:</b>	<b>Electrical:</b> 105-125 or 210-260 volts 50/60 Hz, Switch Selectable. No air required.
<b>Dimensions:</b>	<b>Height:</b> 86.4 cm, (34") <b>Base Width:</b> 33.0 cm, (13") <b>Base Depth:</b> 53.3 cm, (21") <b>Weight:</b> 308kg, (65 lbs)

## TESTER INTERFACE

Two cables interconnect TRIGON T-2000 Series Handlers to an automatic tester. A control cable which carries all Tester and Handler interface control signals, and a Contactor cable interconnecting the Tester performance board and the T-2000 Contactor. One set of Handler mating connectors is shipped with each unit.

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.



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