NorCom 2020™

The Most Advanced Leak Test System Available

The **NorCom 2020** provides automated in-line, full matrix leak testing of hermetically sealed microelectronic and optoelectronic devices. The **NorCom 2020** eliminates the need for helium mass spectroscopy and gross leak bubble testing by utilizing a patented laser interferometer to simultaneously measure gross and fine leaks in hermetic devices.

Since the reliability of hermetic electronic packages is dependant on the detection of gross and fine leaks, the **NorCom 2020's** pinpoint accuracy, repeatability and increased production throughput make the system an essential requirement for hermetic device production.

The **NorCom 2020** provides quantitative leak test results in the industry standard of cc-atm/second helium. The system is ideal for optoelectronic, semiconductor and PC Board mounted devices for military, aerospace and telecommunication applications.

Applications

- Military Hi-Rel
- Microelectronics
- Optoelectronics
- Microwave
- PC board-mounted devices

Features

- Quantitative results measured in cc-atm/second helium
- One-step calibration and setup
- Simultaneously tests for fine and gross leaks
- Tests variety of hermetically sealed devices, including PC board-mounted and pig-tailed packages
- Provides Statistical Process Control (SPC) for tracking of test results
- Mil Std approved

Benefits

- Reliable and repeatable test results
- No helium mass spectroscopy or bubble testing
- Increases production throughput
- Improves packaging process control
- Eliminates back-end production bottlenecks
- Minimal training required

NorCom SYSTEMS, INC.

Product Specifications: NorCom 2020

	2020-6	2020-12
Inspection Specifications:		
Inspection pallet size:	5.5″ x 4.5″ (14cm x 11.4cm)	12″ x 6.25″ (30.5cm x 16.5cm)
Max. number of device/cycle:	1-100 devices (Package size dependent)	
Throughput/hour:	1300 devices (3.8 mm sq package) (Package size dependent)	
Leak Rate Measurement Unit:	cc-atm/sec Helium	
Dimensions (LxWxH and weight):		
Control Console:	28″ x 32″ x 50″, 110 lbs (70cm x 80cm x 125cm, 45.5kg)	
Test Cell:	42″ x 36″ x 47″, 325lbs (105cm x 90cm x 117.5cm, 147.7kg)	
Power Requirements:		
Domestic Model – Input Power:	115 VAC, 60Hz, 15 amps	
Export Model – Input Power:	220-240 VAC, 50Hz, 8 amps	
Air Supply:	70 psi @2cfm, water separator	
Helium Consumption:	0.9 cubic ft/cycle@50psi	1.4 cubic ft/cycle@50psi
Laser Safety Classification:	CDRH Class 2	
Operating System:	Windows NT	
MIL STD Approved:	883E, Method 1014	

To learn more about Norcom 2020, contact us at 610-592-0167 or sales@NorcomSystemsInc.com.

About NorCom Systems, Inc.

NorCom Systems, Inc., an affiliate of Laser Technology, Inc., has over 25 years' experience with laser based holographic testing and systems design. NorCom is a pioneer in breakthrough technology offering the most advanced and automated method of performing leak testing of hermetically sealed electronic packages. Contact us at 610-592-0167 or visit our Web site at www.NorcomSystemsInc.com.

CE

CAUTION

This laser product complies with 21 CFR 1040 as applicable.

NorCom SYSTEMS, INC.

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