

Bombing Gross Fine Leak Test System MSX-7000 series

Compact Electronic, Quartz Crystal Unit, MEMS/Optical Devices, and Sensors**

Hermeticity inspection of Electronic Packages

Compatible with electronic Components & Devices **1.0×0.8, 1.2×1.0 mm** sizes



- **New feature allows for inspections on 1.0 x 0.8 sized test pieces**
- **Conveyance accuracy improved with a position correction device that uses image processing**
- **All-in-one unit carries out bombing, gross/fine leak testing**
(Condition management such as Helium bombing time, pressure, helium exposure time, etc.)
- **Delivers high-accuracy to $8.5 \times 10^{-8} \text{ Pa} \cdot \text{m}^3/\text{s}$ with industry-leading Gross Leak Sensitivity**
(Equivalent Standard Leak Levels)

**Compatible devices may vary depending on the size of the test piece.

Model

MSX-7000-①②

Symbol	Item	Description
①	0	He Calibrator Without *Can be selected if this item is already obtained
	1	He Calibrator With TL-8
②	0	Barcode Reader Without
	1	Barcode Reader With *Requires consultation regarding specifications

Specification

- For product standards and principles, please refer to the MS General Catalog.

Item	Description
Target Test Size (Test piece size)	Compatible with 2 types 1.0 × 0.8 mm 1.2 × 1.0 mm Thickness: 0.3-0.5 mm. Requirements over 0.5 mm are subject to inquiry
Accuracy	Gross Leak: 8.5×10^{-8} Pa · m ³ /s - large leak (equivalent standard leak) Fine Leak : 1×10^{-9} Pa · m ³ /s (He) ~
Processing Ability	12 ch 1.0 sec/piece (bombing 60 mins)
Display	Touch panel 10.4 inch
Usage Temperature/ Humidity Range	0-40°C 45-85 %RH (with no condensation)
Power Supply Voltage/ Power Consumption	200 VAC ±10 % three-phase 50/60 Hz 2 kVA
Exterior Dimensions	W 1800 × D 1400 × H 1800 mm (not including signal tower)
Mass	Approx. 1500 kg
Air Pressure Supply	Pressure source 0.5 MPa or above Please use a clean, stable supply of dry air. Recommended conditions: Compressed air class 1, 3, 1 according to JIS B8392-1 :2012
Helium Source Nitrogen Source	Connection Rc1/4 Device, adjust the external cylinder of the equipment to 0.6 MPa Purity at over 99.99 %
Standard Equipment/ Accessory Items	<p>Standard Equipment High efficiency particulate air filter, dry vacuum pump, air dryer, regulator, signal tower, filter regulator unit</p> <p>Changeover parts These are parts that are replaced when changing the type of item being tested. (1) Inspection parts (Complete part sets including capsule) (2) Conveyance parts (End block, Chute)</p> <p>Note) Parts feeder will require a separate quotation for the types shown below. (1) Thickness 0.5 mm or more, (2) H type, or Thermistor Type (3) Glass type</p>

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※Signifies ISO applications not met by Fukuda.

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Web Site



Video
MSX-7000
YouTube



Specifications may change without notice for product improvement.

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