Gen3 Systems Limited
Farnborough GU19 0NR – UK
Phone: +44 12 5252 1500 Email: Sales@gen3systems.com

MUST SYSTEM 3

SOLDERABILITY TESTING

MAIN FEATURES

- Wetting Balance, and Micro-Wetting Globule Testing
- Electronically operated using vastly superior LVDT technology and latest Windows® XP and "Vista ready" software all providing:
    - Superior Gauge R&R
- Greater accuracy through a vastly improved sampling rate measuring to levels better than 0.1mN/BIT
    - Accuracy resolution >0.01mN force
    - Component 0201 result is ~0.2 mN force
- Unique Auto-Tare before testing – this increases test accuracy and efficiency permitting more tests per hour.
    - Most competitors systems are mechanical balances and need the use of weights to re-balance between individual tests
- Software control of the motorized XYZ axis
- Safer to use
    - Using unique automatic safety cover to prevent operator exposure to molten solder when changing components or clips
- Multi-lead testing – Unique Step-and-Repeat function
- Force and Electrical Contact detection
    - Most competitors are using only electrical contact
- Auto-range selection
- Complex parameter setting
- Fully SPC compliant – all tests fully recorded
- THE most comprehensive scope of supply:
    - Bath and 4 Globules: 4mm; 3.2mm; 2mm and 1mm plus
    - Solder pellets (SnPb and Lead-Free) 200mg (4mm); 100mg (3.2mm); 25mg (2mm) and 5mg (1mm)
    - ALL Accessories to conduct solderability testing in full compliance with all standards including
    - A set of clips to suit the majority of components
    - Customised clips also available
- Software controlled replacement of bath or globule
- Smoother, Faster and Quieter in operation
- MUST System Grandfathered all solderability testing with over 30 years experience (1975) and more than 2500 users around the world
- Testing to ALL international standards including:
    - JEDEC JEDS22-B102D
    - IEC 60068-2-20 Revising 2007 (Dip & Look - Solder Bath)
    - IEC 60068-2-54 Revised 2006 (Force Measurement - Leaded devices)
    - IEC 60068-2-57 Revising 2007 (Dip & Look - Wetting Balance)
    - IEC 60068-2-69 (Force Measurement - Surface Mount Devices)
    - IPC-J-STD-002B – Components
    - IPC-J-STD-003A – Boards
    - MIL-STD-883 Method 2022
    - EIA/JET-7401

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CAUTIONS

- Maximum component weight is 40g including clip. If more than this is used, then this will affect the system calibration and accuracy
- A Windows® PC is not part of our scope of supply
- Windows® XP software is required
- Locate the system on a solid worktop free from vibration and draughts
- Fume extraction should NOT be used on the machine as this will grossly affect the system accuracy