

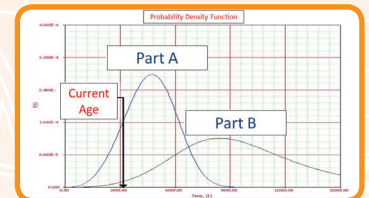
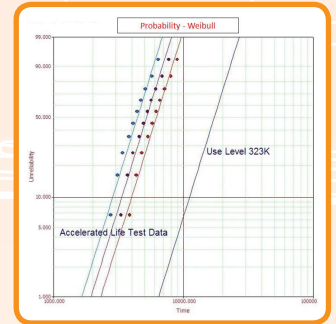
Testing 測試

Reliability Engineering Service

Reliability is the key factor to success in today's high reliability electronic product market. Our Reliability Engineering Team provides customers with cost-effective engineering consultancy services like "Reliability Prediction" and "Life Data Analysis" to ensure that their product's reliability requirements are achieved.

Product Life Data Analysis:

- Life Prediction
- Calculation of Spare Parts Inventory
- Weibull Analysis
- MTTF Prediction
- Accelerated Life Test Planning
- Quantitative Accelerated Life Testing Analysis
- System Reliability Analysis



Reliability Testing Centre

Through upgrading its testing facilities, the Reliability Testing Centre is offering new services to assist local electronics practitioners to shorten the product production cycle, reduce product development time and cost, discover potential product defects at early stage to enhance the reliability of their products effectively.

The Centre is also qualified by IBM to act as its first testing centre in Asia to conduct printed circuit board (PCB) testing at the IBM Mixed Soldering Assembly (MSA) Level.

Service On Offer

- HALT Test
- High Low Temperature Test
- Temperature & Humidity Test
- Thermal Shock Test (Air Type / Liquid Type)
- Vibration and Shock Test
- Combined Climatic Vibration Test
- Printed Circuit Board Qualification Test
- High Reliability Reflow Simulation
- Printed Circuit Board Resistance to Soldering Heat Test
- Push and Pull Test
- Dye and Pry Test
- Autoclave Test
- Infrared Thermography
- Railway & Automotive Electronics Device Test

"Our Centre can help you Improve Product Quality"

Testing Centre Facilities

High Reliability Reflow Simulation System

Model

Vitronics Soltec XPM3 1240

- 12 Top and Bottom Heating Zones
- 4 Cooling Zones
- 350 °C Maximum Operation Temperature
- ± 1 °C Temperature Control Accuracy
- Lead Free Application



Climatic Cycling Chamber

Model

Weiss WK-270/70/15
Weiss WK-480/70/15
Weiss WK-800/70/15

- Temperature Range : -70°C to +180°C
- Temperature Change : 15°C /min
- Humidity Range : 10% to 95% RH
- Climate Temperature Range : 10°C to 95°C



Automatic Surface Insulation Resistance Test System

Model

GEN3 AUTOSIR 128

- Measure Range : $10^6\Omega \sim 10^{13}\Omega$
- Bias Voltage : 5V, 10V, 50V, 100V or External Voltage Supply
- Measurement Channels : 128



Solder Joint Shear Tester

Model

Dage 4000+

- Accuracy : ±0.1%
- Maximum Force : 50kg
- Maximum Speed : 2mm/s
- Shear Width : 1, 2, 3, 4, 5, 9mm



Highly Accelerated Life Test (HALT)

Model

Qualmark Typhoon 2.0

- Temperature Range : -100°C to +200°C
- Thermal Ramp Rate : 70°C to 100°C /min
- Vibration Range: 5 to 75grms, 5 to 5000Hz
- Six Degree of Freedom

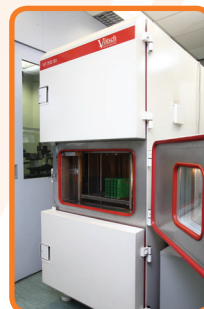


Air Thermal Shock Chamber

Model

Votsch VT7012

- Air to Air Thermal Shock Test Range : -80°C to +220°C
- Can Perform Various International Test Standards, Including MIL-STD-883, MIL-STD-810, MIL-STD-202, IEC 60068-2-14, IPC-TM-650 etc.



Vibration Test System

Model

IMV VS-500-4

- Frequency : 5~3000Hz
- Maximum Acceleration : 91G
- Maximum Rated Force : 500kg
- Can Perform Sine or Random Vibration Tests
- Frequency Sweep Test, Resonance Dwell Test
- Can Perform Shock Test/ Bump Test (Reference waveforms: Half-sine wave, Sawtooth wave, Trapezoidal wave, Triangle wave, Synthesized Wave and Haversinewave)



Combined Climatic Vibration Test System

Model

CEPREI CEEC-THV-500B
STI S-0404
STI D-300-3

- Vibration with Temperature and Humidity Change
- Temperature & Humidity Range : -40°C to +150°C; 25% to 98%RH
- Frequency Range : 5 to 1500Hz
- Acceleration Range up to 98g
- Displacement Range Up to 25mm Peak to Peak
- Vertical and Horizontal Vibration



X-ray Inspection System

Model

Glenbrook
JewelBox-90T

- Five-axis Control Over the Inspected Product, Including 360° Rotation and Tilt
- Magnification : 7X to 2000X



Lead Free Wave Soldering System

Model

SunEast SAC-3JS

- Dual Wave System
- Maximum Solder Bath Temperature of 300°C
- Conveyor Speed Range : 0.5~1.8m /min



For further information, please contact

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