

HKPC support to the Industry

- Technology Development & Commercialization
- PCBA Lab Support
- Qualification Lab Support
- Electromagnetic Compatibility (EMC) Lab Support

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Industry Support through Technology Development & Commercialization



- Funding Sources



- R&D Technology & Projects:
 - Automotive Electronics
 - Industry Standards
 - Environmental Testing / Conformance
 - Quality Testing / Conformance
 - Pilot Trial Run & Pre-Production
- Industry-wide Technology & Support
- Customer Specific Technology & Support



Environment Bureau
The Government of the Hong Kong Special Administrative Region



Innovation and Technology Commission
The Government of the Hong Kong Special Administrative Region

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Trade and Industry Department
The Government of the Hong Kong Special Administrative Region

PCBA Lab Support



STENCIL PRINTER

Model: SPM

Machine Characteristic:

- Repeatability : $\pm 0.0005''$ ($\pm 12.5\mu\text{m}$)
- Cycle time: 12s (includes transportation)
- Board size: 3" x 2" (76mm x 1mm) to 20.5" x 18.5" (521mm x 470mm)



LEAD FREE REFLOW SOLDERING SYSTEM

Model: SUNEAST N4700

Machine Characteristic:

- 7 heating zones (7 top/ 7 bottom)
- Maximum conveyor width: 22"
- Reflow atmosphere: air or nitrogen
- Maximum temperature: 300 °C



UNDERFILL SYSTEM

Model: CAMALOT 1818

Machine Characteristic:

- Dispensing area: 18" x 18"
- Syringe cartridges: 75cc and 150cc
- Repeatability: $\pm 0.001''$ ($\pm 25\mu\text{m}$)



PICK & PLACE MACHINE

Model: SIEMENS SIPLACE 80F+

Machine Characteristic:

- Placement accuracy: $\pm 38\mu\text{m}$ @ 3 Sigma
- Board size: 50mm x 50mm to 508mm x 460mm
- Maximum component size: 55mm x 55mm
- Cycle time per component: 0.3s Capable of handling chip component down to 0402, 0.25mm pitch IC, BGA, Flip Chip and Chip Scale Package.



SMT REWORK STATION

Model: Sierra Summit 1000 rework station

Machine Characteristics:

- Board size: 16" x 18"
- Component size: 40mm x 40mm
- Component types: BGA, Flip Chip, QFP and chip components
- Vision system: Split light
- Reflow system: Hot air

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Qualification Lab Support

Temperature/Humidity Chamber
Model: Heraeus HC7055



Thermal Shock Chamber
Model: Votsch VT7012



Liquid Thermal Shock Tester
Model: Votsch VFS 2/07/15/2



Highly Accelerated Test System (HATS)
Model: IRTS



Autoclave
Model: Express Test ET-244P



Vibration Test System
Model: IMV VS-500-4



Universal Tensile Tester
Model: QTest-II



Weiss WK-480/70/15 Climatic Test Chamber
Model: Weiss WK-480/70/15



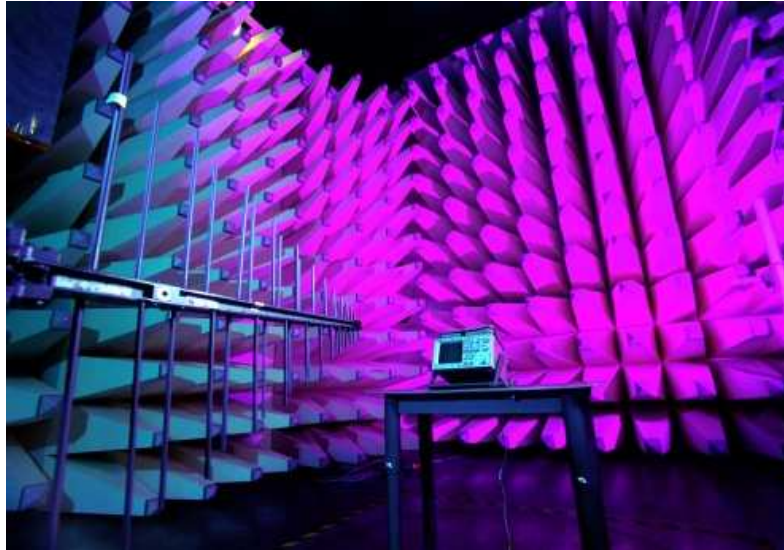
HKPC can help companies achieve high reliability level of their products and equipments

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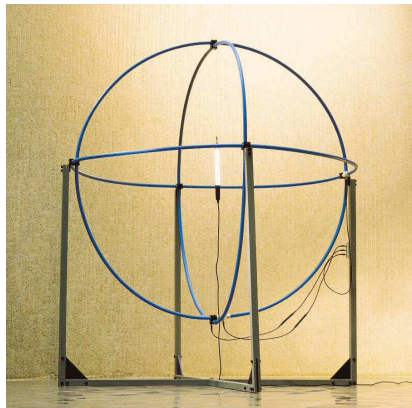


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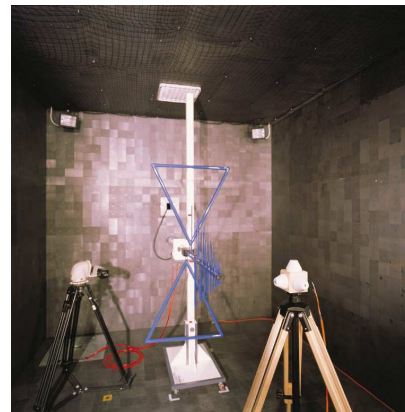
Electromagnetic Compatibility (EMC) Lab Support



10m Semi-Anechoic Chamber
for Radiated Emission measurements



Tri-Loop Antenna



Full Anechoic Chamber
for Immunity Tests



ESD Simulator

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