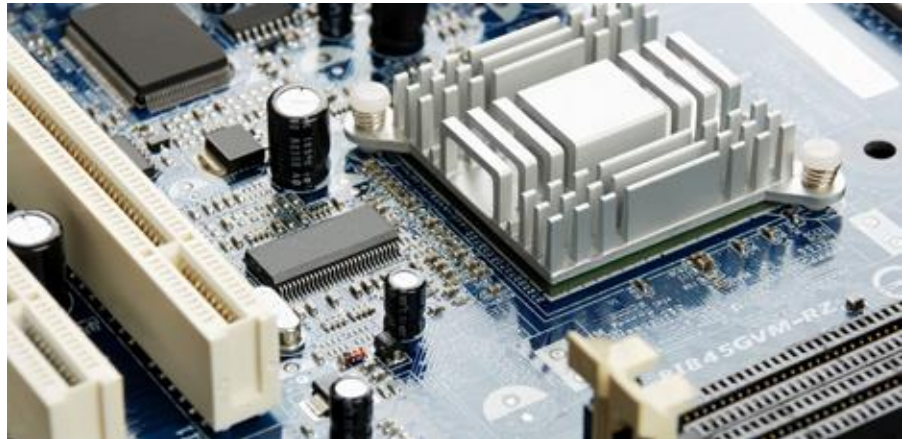


ELECTRICAL

# SEMI S2 安全評估

SEMI S2 安全評估與相關服務

SEMI (國際半導體設備材料產業協會)標準為國際標準，廣泛應用在各類製造業，例如半導體、平面顯示器、太陽能等相關產業。



Intertek 的全球半導體安全服務 (Global Semiconductor Safety Services, GS3) 為合格的評估服務並符合 SEMI S2 之需求。我們有超過 1000 個依據 SEMI 國際產業技術標準的設備安全評估經驗，並且擁有先進的量測設備，包括電壓驟降測試儀 (SEMI F47 半導體設備電壓驟降檢驗) 與示蹤氣體監測儀 (SEMI S6 半導體製造設備通風排氣基準)，提供從前製程到後製程全方位的支援服務。

## SEMI S2 系列安全規範準則

- SEMI S1: 設備安全標示之安全準則
- SEMI S2: 半導體製造設備之安全衛生及環保準則
- SEMI S3: 製程液體加熱系統安全準則
- SEMI S6: 半導體製造設備排氣通風之環安衛準則

- SEMI S8: 半導體製造設備人因工程之安全準則
- SEMI S10: 風險評估及風險評估過程之安全準則
- SEMI S12: 製造設備除污之環境、健康和環境準則
- SEMI S13: 製造設備予使用者文件之安全衛生及環境準則
- SEMI S14: 半導體製造設備火災風險評估與降低之安全準則
- SEMI S22: 半導體製造設備電氣安全設計準則

## SEMI S2 相關服務

- 美規 ETL
  - 一次性現地貼標 (Field Labeling)
  - ETL 列名 (ETL Listing)
- 歐規 CE
  - 機械指令 (Machinery Directive)
  - 低電壓指令 (Low Voltage Directive)
  - 電磁相容性指令 (EMC Directive)

## SEMI 標準範圍

- 3D 積體電路
- 設備自動化 / 硬體
- 設備自動化 / 軟體
- 廠房
- 平面顯示器
- 氣體
- 高亮度 LED
- 材料
- 微機電系統
- 顯微光刻
- 包裝
- 光伏
- 製程化學品
- 安全規範
- 可追溯性
- 矽材料與製程控制

## FOR MORE INFORMATION



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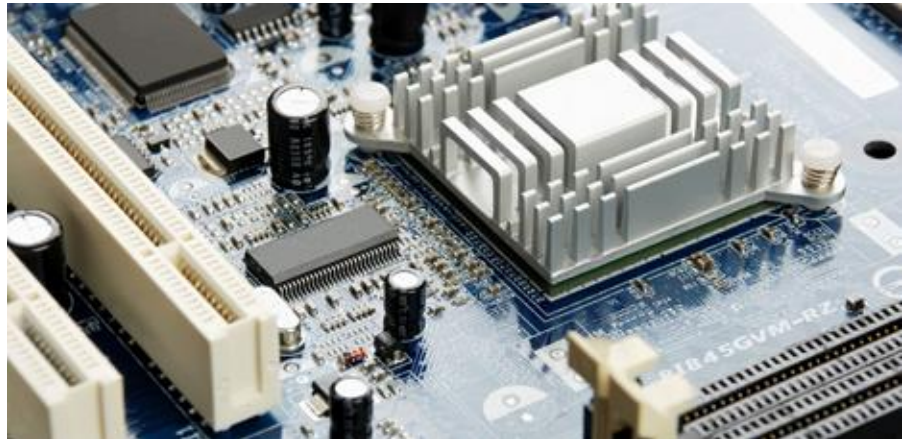
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# SEMI S2 Evaluation

SEMI S2 Evaluation & Related Services

**SEMI standards are international standard in various fields, such as semiconductor manufacturing, FPD manufacturing, Solar power and other industries around the world.**



Intertek’s Global Semiconductor Safety Services (GS3) is a qualified evaluation service as required by SEMI S2. We have more than 1,000 equipment evaluation results based on SEMI guidelines. We also have measuring equipment, such as Sag tester (SEMI F47) and tracer gas monitors (SEMI S6), providing a wide range of support from pre-process to post-process.

### SEMI S2 Series Safety Guidelines for SEMI S2 Evaluation

- SEMI S1: Safety Guideline for Equipment Safety Labels
- SEMI S2: Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment
- SEMI S3: Safety Guidelines for Process Liquid Heating System
- SEMI S6: EHS Guideline for Exhaust Ventilation of Semiconductor Manufacturing Equipment
- SEMI S8: Safety Guidelines for Ergonomics Engineering of Semiconductor Manufacturing Equipment

- SEMI S10: Safety Guideline for Risk Assessment and Risk Evaluation Process
- SEMI S12: Environmental, Health and Safety Guideline for Manufacturing Equipment Decontamination
- SEMI S13: Environmental, Health and Safety Guideline for Documents Provided to the Equipment User for Use with Manufacturing Equipment
- SEMI S14: Safety Guidelines for Fire Risk Assessment and Mitigation for Semiconductor Manufacturing Equipment
- SEMI S22: Safety Guideline for the Electrical Design of Semiconductor Manufacturing Equipment

### SEMI S2 Related Services (Option)

- For USA
  - Field Labeling
  - ETL Listing
- EU CE Marking
  - Machinery Directive
  - Low Voltage Directive
  - EMC Directive



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### SEMI Standard Field (16 Fields)

- 3D-IC
- Equipment Automation / Hardware
- Equipment Automation / Software
- Facilities
- FPD (Flat Panel Display)
- Gases
- HB-LED
- Materials
- MEMS
- Microlithography
- Packaging
- Photovoltaic
- Process Chemicals
- Safety Guidelines
- Traceability
- Silicon Materials & Process Control

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