

能源與冷凍空調系所  
Department of Energy  
and Refrigerating Air-  
Conditioning Engineering

無塵室與高科技廠房研究  
Clean rooms and high-  
tech facility research

潔淨技術研發中心  
Center for Cleaning  
Technology Research



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■ 研究領域

從事無塵無菌室(Clean Room)、半導體廠、手術房、隔離病房、製藥廠等測試、設置、平衡(TAB)，驗證及確效，及創新設計之研究



晶圓盒多元量測

■ 近期研究主題

- 潔淨室創新回風方式開發
- 晶圓盒迫淨之研究
- 手術房氣流模擬
- 流場可視化之研究
- 科技廠房氣流數值模擬

■ Research Area

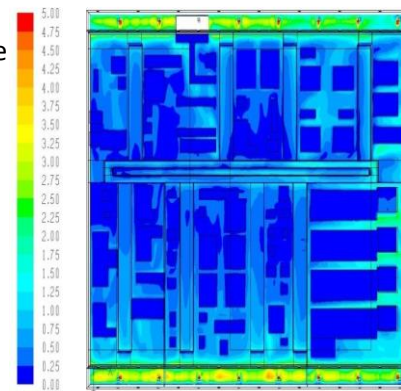
Research of clean Room, semiconductor facility, surgery rooms, isolation wards, laboratories and other equipment, balancing (TAB), verification and validation, and innovative design



可視化設備研究

■ Recent Topics

- Cleanroom development of innovative
- Research of FOUP(Front Opening Unified Pod) clean Technology
- Surgical room air flow simulation
- Visualization of the flow field
- Technology facility gas flow numerical simulation



科技廠房流場模擬