

## 【小型耐燃試驗爐】

此小型耐燃試驗爐系統是根據建築材料相關板材類開發，可針對建築室內裝修材料燃燒試驗法進行各級數之耐燃測試。此系統以明火且熱釋率大於 CNS14705 規範的嚴苛標準直接接觸試驗板材進行耐燃試驗，並紀錄試驗過程之影片與熱影像分析圖，提供廠商以較低的測試成本與較短的等待期即可進行建材耐燃試驗，本試驗系統主要參考 CNS 6532、CNS14705 有關裝修材料、建材之耐燃測試規範，耐燃材料須持續加熱 5、10、20 分鐘以界定為耐燃 3 級、2 級、1 級，此外亦可提供需更長時間加熱試驗需求之廠商做為試驗平台。

## 【Lab-scale Flame Resistance Test Furnace】

The lab-scale flame resistance test furnace is developed to carry out flame resistance tests of different levels for the building interior decoration material. This furnace conducts flame resistance tests by directly contacting the test plates with open flames and the heat release rate is greater than the CNS14705 standard. The test process and thermal image are also recorded to provide manufacturers the detailed information with lower test costs and shorter waiting periods. This furnace mainly refers to the fire resistance test standards of CNS 6532 and CNS14705 for decoration materials and building materials. The flame-resistant material must be able to sustain continuously heating for 5, 10, and 20 minutes and then can be defined as fire-resistant grade 3, grade 2, and grade 1. This furnace can also serve manufacturers who need longer test time.

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小型化耐燃試驗爐 (Lab-scale Flame Resistance Test Furnace)