

【10 kWth 雙流化床氣化爐】

10 kWth 雙流化床氣化爐系統，改良自原 600 kWth 雙流化床氣化爐所建立之 10 kWth 雙流化床氣化爐系統，可利用微負壓可進行各種固態生質料之空氣與水蒸氣的氣化反應實驗，並搭配氣體分析儀進行氣體成份分析。此套系統已建立完善的氣化操作標準程序，可供 600 kWth 雙流化床氣化爐進行最佳化穩定氣化操作之參考。此外，此雙流化床氣化爐系統也可提供研究單位/產業界進行相關檢測，提供有此需求之廠商做為產品測試驗證平台。

【10 kWth Dual Fluidized Bed Gasifier】

10 kWth dual-fluidized bed gasifier is established and improved based on the original 600 kWth dual-fluidized bed gasifier. It can be operated under negative gauge pressure to carry on the air or steam gasification for variety of solid biomass. This system has established a complete gasification procedure, which can be provided as a reference for the optimization operation of 600 kWth double fluidized bed gasifier. In addition, this dual-fluidized bed gasifier can also be provided as a platform for industries to conduct relevant tests. It will help reduce test costs and shorten test waiting periods.



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