

EXHAUST GAS TREATMENT IN THE PRODUCTION OF NANOMATERIALS

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Abstract

With more than 25 years of experience serving the semiconductor industry, CS CLEAN SYSTEMS is a reliable partner for exhaust gas abatement, with a primary focus on dry bed absorption. At the core of our technology are our proprietary CLEANSORB granulates, which safely convert toxic, corrosive, and pyrophoric gases to stable solid by-products. In addition to the silicon and compound semiconductor industries, we also serve the rapidly-growing photo voltaic and MEMS sectors. More than 5,000 installations worldwide testify to customer confidence in CS CLEAN SYSTEMS' unique products and services. CS CLEAN SYSTEMS is a truly global company with research and development, manufacturing and marketing located in dedicated centers of competence located throughout Europe, Japan, USA, and the Far East. CS CLEAN SYSTEMS is serving the nanomaterials world by treating exhaust gas streams of ALD and CVD processes used for the production of e.g. carbon nanotubes, nanodiamonds, 2-D materials like molybdenum disulfide and diselenide.

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