

## ***Screw feeder installed for dust explosion project***

Ajax Equipment, UK, has supplied the national Health and Safety Laboratory (HSL) with a screw feeder and hopper for research into dust explosions in small vessels. The single variable screw feeder is being used to feed dust into a dust collector to assess the explosion risk. HSL, an agency of the Health and Safety Executive (HSE), is undertaking the project to establish dust explosion venting requirements in vessels with volumes of less than 0.5m<sup>3</sup>. The Ajax steep-walled hopper and variable pitch screw are designed to offer best flow and feed reliability for a range of dusty materials, ensuring the 100mm diameter screw is completely filled when feeding the dust powder into a cyclone for explosion testing. The project is expected to be completed by March 2012. [www.ajax.co.uk](http://www.ajax.co.uk)



***Ajax screw feeder at HSL***