



Extract installs Process Containment System in Central Europe

Extract Technology has recently installed a number of Product Pack-Off Systems in a major pharmaceutical facility in Europe, having designed and manufactured the equipment at the company's UK plant in Huddersfield.



Having previously worked at the site in 2003 and 2004 on a number of successful projects involving the offloading of product from vacuum dryers and blenders, Extract Technology was ideally suited to help with the prevention of product or dust contamination escaping from process equipment into the surrounding production area.

The new project required four off-loading solutions with inward-inflating sealing heads, which could handle the final active product as it was transferred from conical vacuum dryers into lined fibre drums.

A number of special features were incorporated into these systems, including:

- A guaranteed containment level of $100\mu\text{g}/\text{m}^3$ by using a secondary containment device (Cross-flow Booth) around the sealing head;
- A variable speed screw feeder to transfer the product from the outlet of the dryer to the discharge point of the pack-off system;
- An in-line stainless steel Cone Mill with shut off valve;

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- An in-flight product sampler, and
- A Mettler-Toledo fill-to-weight weighing system, giving the facility to download pre-defined recipes and monitor the system discharge.

The Factory Acceptance Tests were conducted in the assembly area of Extract Technology's Huddersfield facility in the UK, and was attended by three employees from the European client's plant.

These senior engineers witnessed a wide variety of tests including functional dry testing, before the systems were partially dismantled and shipped for installation on site.

The systems were then commissioned and underwent product charge tests to ensure that the product transfer and weighing were in tolerance for both time and accuracy, before completion of the IQ/OQ documentation.



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Extract Technology of Huddersfield, UK, manufactures Downflow Booths, Isolators and Pack-Off Systems for the pharmaceutical industry. Extract Technology is part of the US-based private investment firm, Insight Equity, which acquired the Walker Group (parent group of CPS, former owners of Extract) on 6th October 2006.

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