



Extract Technology and Gericke Supply Custom Offload Systems to a Major HealthCare Provider

Extract Technology based in Huddersfield, UK, is a market leader in the supply of high-quality containment downflow booths and isolators. Extract Technology manufactures, fully assembles and tests the equipment in-house at its manufacturing operations in Huddersfield and New Lisbon, Wisconsin, USA.

Extract Technology is part of US-based Wabash National Corporation (NYSE: WNC), a diversified industrial manufacturer and North America's leading producer of semi-trailers and liquid transportation systems. The company employs more than 7,000 associates worldwide and had a group turnover in excess of \$1.8B in 2017.

Extract was selected to supply a turnkey solution of four custom pieces of 'containment' offloading equipment to a leading global health care provider.

Two of the solutions provided incorporated precision ATEX screw feeders for the accurate dosing of the clients products. Extract Technology selected and partnered with **Gericke**, who has been designing and manufacturing powder processing equipment since 1894.

The total scope of supply included the following

- 1 off Crossflow booth with packing head and Gericke GDU Screw Feeder guaranteeing $<100\mu\text{g}/\text{m}^3$ over an 8-hour time weighted average. Achieving a fill accuracy of +/-50g within the client drums.
- 1 off isolator with packing head and Gericke GDU Screw Feeder guaranteeing $<1\mu\text{g}/\text{m}^3$ over an 8-hour time weighted average. Achieving a fill accuracy of +/-50g within the client drums.
- 1 off downflow booth guaranteeing $<100\mu\text{g}/\text{m}^3$ over an 8-hour time weighted average, mounted on a raised platform with an intermediate pressure rated product holding vessel.
- 1 off downflow booth mounted on a raised platform to charge a reactor. The containment guarantee was $<2.5\mu\text{g}/\text{m}^3$ over an 8-hour time weighted average utilising a flexible barrier screen for all but one product.



The entire process ensures operator safety from potent APIs (active pharmaceutical ingredients) while minimising cross contamination risks.



Extract Technology selected Gericke due to their significant experience (over 120 years) in providing flow solutions for the fine chemical, food and pharmaceutical sectors. The Gericke brand feeder was also seen as a robust and suitable product for this application. From the client's perspective Gericke has a strong and trusted brand identity while the proposed design satisfied their ATEX / CIP requirements.

Extract Technology's Sales Manager Stephen Carpmail made the following statement:

"The project brought about great collaboration between Extract and Gericke allowing for creating an effective design solution which met the customer's requirements. The successful installation and commissioning of this project to the clients satisfaction is a testament to both parties' ability and commitment in suppling turnkey custom projects. We look forward to working with Gericke again in the future."

For more information, please visit www.extract-technology.com.

Gerickes Head of Sales - Dan Baxter made the following statement:-

"Gericke has long been established in the world of powder handling and has an established range of feeder solutions from volumetric to full loss in weight. By partnering with a renowned pharmaceutical technology provider in Extract Technology, Gericke was able to meet the demands required of the equipment and to provide a feeder solution to fit the application. We look forward to continuing to partner with Extract Technology and look forward to the launch of our new Pharma Feeder – Feedos early in 2018."

Other products offered by Gericke include:

- Continuous Pharma Mixers
- Raw material handling, Silo, FIBC, Sacks
- Particle separation, high efficiency centrifugal sieves
- Pneumatic Conveying
- High Accuracy Feeding (screw and vibratory)
- Batch Mixers
- Complete turnkey Automation

For more information, please visit www.gericke.net.