Company News

Aerzen at Powtech 2023: efficient, safe and smart Compressor Solutions for the Powder, Granule and Bulk Solids Industry

Edited by on 14. Sep. 2023
Aerzen, Germany –

For more than 150 years, AERZEN has been developing high-performance machines for industry and pioneering innovative production solutions. The powder, granules and bulk solids sector has always been in focus. At POWTECH 2023, the compressor specialist will present pioneering compressors, blowers and turbos, smart technologies and digital services for resource-saving, energy-efficient and reliable pneumatic conveying processes.

The packages of the type Delta Hybrid have been consistently optimised regarding energy efficiency, functionality as well as handling. (Picture: Aerzener Maschinenfabrik GmbH)

Efficiency, product safety, robustness, hygiene, explosion protection: the requirements for blowers and compressors for the pneumatic conveying of bulk materials and foodstuffs are manifold. As an experienced partner of the powder, granules and bulk solids industry, AERZEN offers a wide range of solutions and implements application-specific and resource-saving system concepts with smart control technology. The highly efficient and digital solutions are safe, reliable as well as ATEX-certified and pave the way to digitalised and transparent process air systems. Visitors to the POWTECH 2023 can also get an idea of this. From 26 to 28 September, AERZEN will be at Nuremberg and will be presenting efficient, safe and smart compressor solutions.

Focus on Efficiency

The exhibits are representative of AERZEN’s wide product range and address current topics in the branch. The trade fair highlights include the new, highly efficient sizes of the screw and turbo blowers. The packages of the type Delta Hybrid and Aerzen Turbo have been consistently optimised regarding energy efficiency, functionality as well as handling and, thus, contribute significantly to the reduction of the Total Cost of Ownership (TCO). In comparison to conventional positive displacement blowers, energy savings of up to 30% can be achieved. On display at the fair will be a Delta Hybrid D13S without frequency inverter and an Aerzen Turbo AT200.

The proven and robust Positive displacement blowers and Screw compressors complete the trade fair portfolio. The sophisticated machines are available in a wide variety of types of construction, sizes and custom designs for the negative and positive pressure ranges. While the Delta Blower has proven itself as a robust pneumatic all-rounder, the Delta Screw, thanks to its increased pressure range of 3.5 and 4.5 bar, is at home in demanding applications, for example in the cement industry or in the food sector. On display will be an ATEX-compliant Delta Blower GM4S without hood with zone separation filter for underpressure applications as well as a Delta Screw of type VM15R for positive pressures up to 4.5 bar.

Always on the Safe Side

All blowers and compressors can be operated both in explosion protection zone I and zone II and comply with the applicable ATEX Directive RL 2014/34/EU as well

as the Machinery Directive including the latest safety standard (EN 1012-3). With the TÜV-tested zone separation filter developed by AERZEN itself and the integrated spark arrester, economical alternatives to conventional protective components are available. AERZEN packages are unrivalled in reliability in operation, comply with the ISO 22000 standard and are flexible to individual customer specifications. The absolutely oil-free and absorption material-free compressed air technology guarantees 100% product purity in pneumatic conveying(free of oil according to ISO 8573-1, class 0).

Bespoke Digital Services

The new IIoT platform AERprogress brings AERZEN compressors and blowers into the digital age. Whether worldwide Machine Park Management or increasing the energy efficiency, availability and reliability of high-performance machines. With AERprogress, users can optimise the performance, maintenance and costs of their AERZEN packages quickly, easily and economically. AERprogress uses existing machine and sensor data of the plant and enables statements about failure probabilities, operating states, trends and optimisation possibilities. Costly sensor technology on the process air packages can be dispensed with. As a scalable solution, AERprogress is available for different application scenarios, such as energy efficiency optimisation, live monitoring or predictive maintenance.

Visit AERZEN at POWTECH 2023, Hall 4 Stand 4-253