

Reducing costs and increasing efficiency with the Laby® compressor from Burckhardt Compression

11 April 2023

A leading global expert chemicals business specializing in microbial control and bespoke products, needed a new production line to manufacture methylbutynol. To find the best and most cost-effective solution, they turned to Burckhardt Compression.

The chemicals business, which has over a century of experience in supplying an innovative portfolio of specialty chemical solutions to its customers, recognized the need to develop a new production line to meet the growing demand for methylbutynol. This essential intermediate is widely used in the manufacture of vitamins, pharmaceuticals, and fragrances, and the company was determined to keep up with the evolving demands of the industry in the modern world.

During the design phase of the new methylbutynol production line, the company's on-site engineering team identified the need for a turnkey, plug-and-play, skid-mounted compressor. The unit had to meet precise measurements and be operated and maintained in a pharmaceutical environment, while also being cost-effective. Also, the compressor unit had to be readily available as there were only 11 months to complete the installation of the new production line.

After considering their options, the engineering team found the most suitable solution with Burckhardt Compression, the leading company for compression solutions across a wide range of applications.

Burckhardt Compression provided a cost-effective and timely solution for their needs by supplying a second-hand 2K90-2B Laby® compressor that had been expertly overhauled to reset its clock back to zero, ensuring reliable operation and the highest operational safety.

Burckhardt Compression delivered a turnkey project, which involved designing and producing a customized skid to fit the compressor's operating data. Additionally, pressure tests were conducted on the crankcase cylinder and cylinder cover to ensure optimal performance. The flywheel was machined, and a skid was designed for the belt-driven compressor. After assembling, testing, and painting the compressor, new specifications were developed for the entire skid assembly. Finally, the team installed and started up the compressor at the customer's site, ensuring it was fully operational and met the customer's exact needs.

The compressor solution was ideal for the task due to its compact dimensions and efficient turnkey installation, which fitted an allocated space with no interference to existing machines or operations. In addition, its oil-free technology ensures clean process and production, reducing the risk of contamination of customer products. Burckhardt Compression delivered the compressor on-time and provided plug-and-play installation that was on budget, making it a cost-effective solution for its customer's needs.

Upon the completion of the project, a spokesperson for the customer concluded: "Our organization is extremely pleased with the customized compressor skid, featuring the retrofitted Laby® compressor, provided by Burckhardt Compression. Their team delivered a cost-effective, reliable, and high-quality solution that has exceeded our expectations. We have enjoyed a long-standing partnership with Burckhardt Compression and look forward to building on this relationship in the future."

Image captions:



Image 1: Laby® compressor test run in accordance with Burckhardt Compression regulations.



Image 2: Refurbished compressor skid installed at customer's plant.

The image(s) distributed with this press release are for Editorial use only and are subject to copyright. The image(s) may only be used to accompany the press release mentioned here, no other use is permitted.

About Burckhardt Compression

Burckhardt Compression is the worldwide market leader for reciprocating compressor systems and the only manufacturer and service provider that covers a full range of reciprocating compressor technologies and services. Its customized compressor systems are used in the gas gathering and processing, gas transport and storage, refinery, chemical, petrochemical as well as in the industrial gas and hydrogen mobility and energy sectors. Burckhardt Compression's leading technology, broad portfolio of compressor components and the full range of services help customers around the world to find the optimized solution for their reciprocating compressor systems. Since 1844, its highly skilled workforce has crafted superior solutions and set the benchmark in the gas compression industry.

SIX Swiss Exchange: BCHN

For further information please visit www.burckhardtcompression.com

Press contact:

Burckhardt Compression

Claudia Proeger

Global Marketing Manager -Services Division

Claudia.Proeger@burckhardtcompression.com

www.burckhardtcompression.com

PR agency:

DMA Europa

Brittany Kennan

Progress House, Great Western Avenue, Worcester, WR5 1AQ, UK

Tel.: +44 (0) 1905 917477

brittany.kennan@dmaeuropa.com

www.dmaeuropa.com