Air Compression and Packaging

FSCURTIS



WHY A NEW PACKAGING FACILITY CHOSE FS-CURTIS NXHE AIR COMPRESSORS FOR OPTIMAL EFFICIENCY AND PERFORMANCE



In 2021, a state-of-the-art packaging company was established in Tulsa, Oklahoma. This 540,000-square-foot, climate-controlled facility operates two 10-hour shifts, Monday through Friday, producing high-quality cardboard boxes with printed logos for Amazon and other brands. The company turned to FS-Curtis for its compressed air solutions to meet demanding production requirements and stringent energy efficiency goals, selecting two NXHE energy-efficient two-stage Variable Speed Drive (VSD) air compressors.

Meeting High-Efficiency Standards with FS-Curtis NXHE Compressors

The packaging industry is highly competitive, and meeting productivity and efficiency standards is essential. When planning the facility, the Tulsa-based packaging company identified the need for a reliable, energy-efficient compressed air system to support continuous production without compromising power or flexibility. FS-Curtis responded to these needs with the NXHE two-stage VSD compressors, a perfect fit for facilities seeking optimal air compression with minimal energy consumption.

The NXHE VSD compressors offer several key features that make them ideal for this setting:

- **Energy Savings:** The NXHE's Variable Speed Drive technology automatically adjusts motor speed to match demand, ensuring that energy is used only when needed. This benefit is especially beneficial for the facility's dynamic schedule, where energy consumption can vary significantly during each shift or season.
- **Two-Stage Compression:** This advanced two-stage compression process substantially reduces energy consumption compared to single-stage compressors. For the Tulsa facility, this means reducing operational costs without compromising power, helping the company maintain an environmentally responsible production line.
- **Climate Adaptability:** As a climate-controlled facility, temperature fluctuations are minimal; however, the NXHE compressors are designed to operate efficiently even in varying environmental conditions. This benefit ensures consistent performance, minimizing the risk of downtime and supporting the company's commitment to on-time delivery.

North and South Hall Efficiency: NXHE Compressors in Action

The facility has achieved balanced and dependable airflow with two NXHE 260 VSD compressors installed in the North and South Halls. These compressors are strategically positioned to provide even distribution of compressed air throughout the entire 540,000-square-foot building, supporting multiple production lines and enabling quick adaptability to fluctuating production demands.

Proactive Maintenance for Ongoing Reliability

Since installation, the two NXHE compressors have continued to run smoothly, thanks to a well-structured maintenance schedule implemented by the facility's operations team. This maintenance strategy includes:

- **Routine Checkups:** Regular inspections and proactive part replacements have minimized unplanned downtime, which is crucial for a facility running two 10-hour shifts daily.
- **Predictive Analytics:** FS-Curtis compressors have monitoring features that allow the team to anticipate and address potential issues before they impact production.
- **Support and Service:** FS-Curtis' support team is readily available, providing responsive service to ensure the compressors continue operating at peak performance levels.

CONCLUSION: A SMART CHOICE FOR LONG-TERM SUCCESS

For this Tulsa-based packaging facility, choosing FS-Curtis NXHE compressors has proven to be a wise investment in efficiency, reliability, and sustainability. The NXHE's combination of Variable Speed Drive technology, two-stage compression, and user-friendly maintenance capabilities has enabled the company to meet its production goals with reduced energy costs and a smaller environmental footprint.

The NXHE compressors by FS-Curtis have supported the manufacturing facility's initial operational needs and continued to deliver robust performance, demonstrating why FS-Curtis remains a trusted choice for companies across industries prioritizing quality, efficiency, and innovation.

ABOUT FS-CURTIS

Since 1854, FS-Curtis has been a trusted name in the air compressor industry, offering a wide range of high-performance, reliable air compressors built to serve diverse industries. Headquartered in St. Louis, MO, FS-Curtis is committed to innovation, quality-focused manufacturing, and customer satisfaction. With a world-class portfolio of products and a growing global presence, FS-Curtis continues to lead in air compression technology, providing dependable solutions backed by a legacy of trust and expertise. For more information, visit us.fscurtis.com.







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A company history that dates 170 years is a company history that, to us, is just the beginning. FS-Curtis is committed to offering a world-class portfolio of products. Through the dependability of our people and our quality-focused manufacturing, FS-Curtis will continue to be the most trusted and dependable name in compressed air serving even more markets through our ever-growing global presence.

The FS-Curtis headquarters in St. Louis, Missouri, U.S.A. is the anchor of a larger global network. FS-Curtis builds quality products — and a quality reputation — at locations around the world.

In addition to our manufacturing and packaging locations, a large global network of sales agents and distributors ensures that sales and service support is available around the world, day in and day out.



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