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Accu-Assembly to Showcase Groundbreaking AccuLiFT SMT Component Reel Storage System at 2024 IPC APEX EXPO

NORTH READING, MA — March 2024 — Accu-Assembly Inc., a leading industrial automation company, is set to exhibit at the upcoming 2024 IPC APEX EXPO, scheduled to take place from April 9-11, 2024 at the Anaheim Convention Center in California. Accu-Assembly will be exhibiting its revolutionary AccuLiFT SMT Component Reel Vertical Modular Storage and Retrieval System at Booth 4030.

The AccuLiFT system has redefined SMT component reel storage and retrieval, setting new standards for efficiency and adaptability. With a focus on rapid changeover and user-friendly operation, the AccuLiFT empowers manufacturers to seamlessly interchange small and large reels on the storage pallet, offering unprecedented operational flexibility.

Key Features of AccuLiFT:

- **Automation Excellence:** The AccuLiFT employs a robotic workcell for automated loading/unloading of reels from reel stacking units, eliminating the need for manual intervention. This key feature maximizes throughput with fast cycle times and exceptional accuracy.
- **Impressive Capacity:** The base unit alone can store up to 3,800 7" reels, and the system offers the option to integrate two additional vertical storage units, resulting in an astonishing total storage capacity of up to 8,300 reels. The reels are securely housed on durable pallets with a robust steel frame and ESD plastic trays for comprehensive protection.
- **VLM Technology:** Leveraging Vertical Lift Module (VLM) technology, the AccuLiFT ensures efficient parts storage and retrieval. Its modular design enables seamless vertical expansion, optimizing floor space as manufacturers require additional reel storage. The Direct Drive Technology with auto correction eliminates the need for calibration.
- **Automated Dual-Level Robotic Station:** The AccuLiFT features an automated dual-level robotic reel loading/unloading station, allowing efficient loading and unloading of



reels. This innovation significantly reduces cycle times and enhances overall operational efficiency.

- **Input Stacking Units:** The capability to automatically load up to 200 reels at a time for loading into the AccuLiFT.
- **Advanced Barcode Scanning:** The system integrates automatic barcode scanning of all reels on the pallet and automatic reel thickness detection, enhancing accuracy and reliability. Multiple job sorting capabilities enable faster kitting processes.
- **Flexible Software Interface:** AccuLiFT's flexible software interface facilitates seamless integration with SMT placement equipment and MES/ERP systems, showcasing Accu-Assembly's proficiency in software development and interfacing with various databases.

Visit Accu-Assembly at Booth 4030 during the 2024 IPC APEX EXPO to witness the future of SMT component reel storage and retrieval.

The AccuLiFT is proudly manufactured in the USA.

For more information about Accu-Assembly's automation and productivity solutions, visit www.accuasassembly.com.

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About Accu-Assembly Inc.

Founded in 1997, Accu-Assembly is an industrial automation company. Other products of Accu-Assembly include BarTector, HumiTel, AccuEye. and Accu-ID. Accu-Assembly's core competency is software development and interfacing to various types of databases. For more information, visit www.accuasassembly.com.