

XACT Calgary Expands Automated Storage Capabilities with Installation of Modula MC25D Vertical Lift System

The Modula MC25D Vertical Lift Module marks a major automation upgrade for XACT EMS Calgary, increasing storage density, traceability, and efficiency across high-mix manufacturing programs.

CALGARY, Alberta — November 14, 2025 — XACT Engineered Manufacturing Solutions (EMS) has installed a next-generation Modula MC25D Vertical Lift Module (VLM) at its Calgary, Alberta operations, expanding its automated storage and retrieval capabilities to match those at the company's Houston, Texas location.

Standing 26.5 feet high with 68 trays and a total payload capacity of up to 200,000 lbs, the new system reclaims nearly 2,000 sq. ft of floor space while storing approximately 5,500 SKU items—primarily connectors and small components used in custom cable assemblies and overmolding operations.

“This upgrade enables faster, more accurate part retrieval and reduces the non-value-added time between kitting and assembly,” said Andrew Carroll, Director of Operations at XACT EMS. “By moving to automated vertical storage, we’re able to pick faster with fewer resources while improving accuracy and order responsiveness for our customers.”

The Modula MC25D uses dynamic tray-height detection to optimize vertical density and a barcode-driven retrieval process to ensure precise, traceable inventory management. Operators can access components through a user-friendly Copilot touchscreen, which automatically delivers the correct tray to the ideal ergonomic position—eliminating manual walking, climbing, and search time.

For customers, this means faster turnaround on production builds, fewer material shortages, and consistent fulfillment across programs that span XACT's U.S. and Canadian facilities.

Q&A Snapshot

Q: What's new about this system?

A: XACT's installation of the Modula MC25D at its Calgary, Alberta facility offers 26.5 ft of vertical storage, handling up to 551 lbs per tray with a total payload of 200,000 lbs.

Q: How does this improve customer outcomes?

A: Faster kitting and traceable material handling translate to shorter lead times and improved delivery reliability.

Q: How does it compare to Houston's system?

A: Houston's Modula system is a different model and stands significantly taller—approximately 10 meters (32.8 ft) compared to Calgary's 8-meter (26.5 ft) unit. While the two systems differ in height and model type, both use Modula's automated vertical storage architecture to standardize material handling, improve picking efficiency, and support consistent program execution across XACT's Calgary and Houston facilities.

About XACT Engineered Manufacturing Solutions

XACT Engineered Manufacturing Solutions (XACT EMS) delivers precision cable assemblies, overmolding, EMI shielding, and engineering support for aerospace, defense, industrial, and energy applications. With operations in Calgary (AB) and Houston (TX), XACT EMS holds AS9100D / ISO 9001, IPC/WHMA-A-620 & J-STD-001, JCP/ITAR, and CMMC Level 2 / NIST standards, and operates in partnership with [Matrix Technology Ltd.](#) Learn more at www.xactems.com.

Media Contact

Jenny Nichols

Director of Marketing

XACT Engineered Manufacturing Solutions

Email: JennyNichols@xactusa.com | www.xactems.com