PEAKLOGIX
AN ALTA MATERIAL HANDLING COMPANY

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CASE STUDY: OPTIMIZED FOOTPRINT

Medical Facility

The Challenge

A private medical provider and researcher needed to move its repository of 50.1 million pathology slides, wet tissue specimens, and paraffin blocks into a new location one-third the size of the previous facility.

The Solution

PeakLogix designed and integrated eight double-tiered horizontal carousels to maximize the facility's cubic space. This reduced the collection's footprint from 45,000 square feet to 15,200 square feet, while still allowing for an expected annual growth of 500,000 slides for the following two years.

The carousels feature an automated picking system controlled by ScottTech PickPro™, PeakLogix's proprietary Warehouse Management Software (WMS). The carousels are accessed by four doors, one located directly in front of each automated picker.

Operators access slides by entering identifying numbers into the ScottTech PickPro interface. The correct carousel rotates until it faces an automated picking robot that pulls the tray and delivers it at an ergonomic height.

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Key Results

The new carousel system not only accommodates the entire collection in one-third the space, but also allows for years of growth. By automating the system and improving the layout, the customer was also able to reduce the staff required for operations.

67%
REDUCTION
in the collection's
footprint

The Horizontal carousels not only accommodate the repository's slide collection, but have space for an expected annual growth of 500,000 slides for the next two years.