Cargo Spectre
DIMENSIONING AND WEIGHING SYSTEMS

A.I. Machine Learning Dimensioner Case Study

WAREHOUSE/CONTAINER FREIGHT STATION

Cargo Spectre provided a fast, simple cargo dimensioning solution to a U.S.-based warehouse and container freight station that improved upon the speed and accuracy of the client's old dimensioning system while reducing costs and FTEs.

INDUSTRY: International Cargo Handling

LOCATION: Elk Grove Village, IL

PRODUCT: Pallet Dimensioner

GOALS:

1 Increase dimensioning speed

2 Improve dimensioning accuracy

3 Reduce dimensioning costs

4 Reduce associated labor

PROJECT GOALS AND OBJECTIVES

Increased speed, more reliable accuracy, and a reduction in costs were our client's main objectives in installing the Pallet Spectre system. The client agreed to a one-time upfront payment of $6,000 for the Pallet Spectre equipment, installation, and training. Choosing Cargo Spectre allowed this customer to save $94,000 over competing dimensioners in just the first year of use while adding advanced A.I. automation to their warehouse. After installation, the client pays only an all-inclusive $500 monthly fee for as long as the system is needed.

THE PROBLEM

A warehouse/container freight station in Illinois that handles a large volume of international cargo needed faster and more accurate cargo dims in order to optimize the efficiency of its processes and maintain a competitive advantage. This client contacted Cargo Spectre for a solution that could reduce the costs and FTEs associated with its cargo dimensioning. We worked closely with the client to examine their dimensioning process and provide a new system that would exceed its current performance while fitting within its budget. We provided the client with a custom cargo dimensioning consultation to determine the ideal dimensioning system that achieved their goals.

> *"Saved $94,000 over competing dimensioners in just the first year"*

THE SOLUTION

Cargo Spectre determined that our Pallet Spectre dimensioner could dramatically improve the efficiency of our client's cargo dimensioning process. The Pallet Spectre uses 3D scanning technology to accurately calculate the precise dimensions of every pallet in seconds. The system uses a built-in scale to record the exact weight of each piece of freight, and includes built-in cameras to record the physical condition of every pallet. Cargo Spectre's software automatically saves all of the NTEP-certified pallet data into the database or cloud-storage system of the client's choosing. Cargo Spectre demonstrated to the client that the Pallet Spectre could capture pallet dimensions more quickly, accurately, and affordably than their old dimensioning process.

MEASURE OF SUCCESS

This Illinois warehouse/container freight station eliminated manual errors in cargo measurement overnight by integrating the Pallet Spectre into its export receiving process in a one-day installation. The client has achieved greater accuracy in the calculation of each pallet's actual cube and was able to reduce its FTEs by one with this process. Cargo Spectre saved our client thousands of dollars upfront with our affordable pricing model, and our open-source hardware virtually eliminated the need for costly system maintenance. We proved that our system offers more accurate cargo dims for less.

✔ Eliminated manual errors in cargo measurements

✔ Achieved greater accuracy in the calculation of each pallet's actual cube

✔ Reduce Full Time Equivalent (FTE) by one

✔ Thousands of dollars saved in upfront and long term costs

Cargo Spectre