

Intelligent Automation for Bills of Lading

PROBLEM

In food distribution / shipping, there are several hand-offs between harvest and delivery. To accurately process and manage shipments, a carrier will issue a document called a Bill of Lading (BoL) that organizes the shipment information between all parties involved. In our client's case, various formats of BoL's required manual keying of line items, which was costly, error-prone and time consuming.

Our client reached out to the Image Access team to see how ImageTrust, our intelligent document processing solution, could be leveraged to streamline BoL processing and extract valuable data from unstructured documents.

CHALLENGES

- High labor costs from manual entry of lengthy BoLs
- Limited data validation due to manual keying
- Delays in payments and shipment from slow data entry
- Unable to scale for growth

SOLUTION

Automatic Extraction with AI You Can Trust

The shipping carriers email their Bills of Lading (BoLs) daily to a specialized email account designed exclusively for ImageTrust intake. Next, BoL's undergo processing within the ImageTrust workflow, ensuring shipper BoL model identification and accurate customer reference information.

Valid documents trigger automatic extraction of key data and line-item details using custom Computer Vision (CV) and Machine Learning (ML), with high confidence thresholds, and no Human-In-The-Loop (HITL) step. If confidence thresholds or business rules aren't met, a notification prompts user group validation, pushing the BoL forward.

The final step sends all extracted data to the shipping and billing system for conversion to an Electronic Data Interchange (EDI) transaction, before being sent through for processing.

Your Journey to Intelligent Automation [Starts Here!](#)



AT A GLANCE

With the power of ImageTrust and use of **AI and machine learning (ML) models**, we were able to automatically extract BoL information from a wide range of different shipper formats **within seconds**.

BENEFITS

Fast Response Times

30 – 60 second turn-around time on submissions to ImageTrust

Lower Costs

Data processing costs reduced by eliminating manual data entry

Scalability

Increases capacity without increasing knowledge workers

High Accuracy Levels

Eliminate human error in BoL document processing with guaranteed data quality