



Automating Advanced Shipment Notification for 3PL Warehouse

Case Study

With Docsumo, we are now able to save more than 500 hours per month.

“With Docsumo, we are now able to assign barcodes in less than 2 mins. The same process used to take us 20 mins previously. We are now saving hundreds of hours a month generating Advanced Shipment Notifications. It has reduced manual errors drastically.”

Neil Lawrence

Business Process Manager,
BiagiBros, California



ASN Automation For 3PL Warehouse

Industry

Logistics and
Supply-Chain
Solutions

Division

Operations

Location

USA

Employees

700

Type of Documents

Bill of Lading

Use Case

Advanced
Shipment
Notifications


Client Background

The client is a [3PL warehousing company](#) providing businesses and organizations with [supply chain solutions all over the US](#). With distribution centers, warehouses and truck terminals throughout the country, BiagiBros handles [more than 1500 deliveries a month](#).

Challenge

- The client [manages over 50 inbounds a day](#) for their customers where drivers deliver goods into their warehouse.
- Many of their [customers can't generate barcodes](#) and [send Bill of Lading](#) along with the driver.
- The [challenge](#) for BiagiBros is to be able to [scan and extract data from bill of lading](#) including [line items](#). They need to push the data into HighJump Warehouse Management Software to [generate ASN barcodes](#).
- [Manual bill of lading scanning](#) and [data extraction](#) along with [generating barcodes](#) for a single customer can take [up to 20 minute](#).
- The [challenge](#) is to [decrease the processing time](#) with [improved straight-through processing](#).

Bill Of Lading

Date: 05/27/2019	BILL OF LADING	Page 1		
SHIP FROM				
Name: Robert Ken Dealers				
Address: 125, Street Aurafield, Houston, Texas				
City/State/Zip: Houston, PO Box 18160				
SID#: FOB: <input type="checkbox"/>		Bill of Lading Number: PB 268491		
Expected Ship Date: 05/20/2019		CARRIER NAME: Nathan Jonas		
SHIP TO		Trailer #:		
Name: Maxlife Dealers		Trailer Number:		
Address: 4289, Street Longford, Cordner		Seal Number(s):		
City/State/Zip: Salem, PO Box 11148		SCAC:		
CID#: FOB: <input type="checkbox"/>		PRO Number:		
Expected Delivery Date: 05/27/2019		Freight Charge Terms (freight charges are prepaid unless marked otherwise):		
THIRD PARTY FREIGHT CHARGES BILL TO		Prepaid <input type="checkbox"/> Collect <input type="checkbox"/> Third Party <input checked="" type="checkbox"/>		
Name: Mexicom Logistics (Default TP)		<input type="checkbox"/> Master Bill of Lading: with attached underlying Bills of Lading		
Address: 7667 Rue Cordner				
City/State/Zip: LaSalle, QC H8N 2X2				
SPECIAL INSTRUCTIONS:				
Border crossing				
CUSTOMER ORDER INFORMATION				
CUSTOMER ORDER NUMBER	# PKGS	WEIGHT	PALLET/SLIP	ADDITIONAL SHIPPER INFO
		40,000 lbs	Y N	
GRAND TOTAL		40,000 lbs		
CARRIER INFORMATION				
HANDLING UNIT		PACKAGE		
QTY	TYPE	QTY	TYPE	WEIGHT
				40,000 lbs
				40,000 lbs
				GRAND TOTAL
<small>Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows: The agreed or declared value of the property is specifically stated by the shipper to be not exceeding _____ per _____.</small>				
Please Configure			The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	
			Shipper Signature	
SHIPPER SIGNATURE / DATE		Trailer Loaded; Freight Counted:		CARRIER SIGNATURE / PICKUP DATE
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.		<input type="checkbox"/> By Shipper: <input type="checkbox"/> By Shipper: <input type="checkbox"/> By Driver: <input type="checkbox"/> By Driver/pallets said to contain: <input type="checkbox"/> By Driver/Pieces:		Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and/or carrier has the DOT emergency response guidebook or equivalent documentation in the vehicle. <i>Property described above is received in good order, except as noted.</i>

Docsumo Solution



Ingest

API based direct integration to a number of document stores that allows bill of lading uploads into Docsumo platform.



Pre-process

Inbuilt document pre-processors split, stitch and crop documents, reduce noise and improve text clarity.



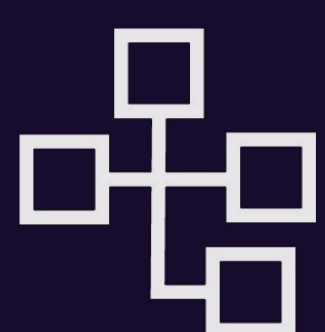
Table Extraction

A combination of machine learning and heuristics extracts table structure and identifies Sections to help localize text extraction.



Text Extraction

OCR module is optimized to extract text at the highest possible accuracy from a majority of documents with varying fonts, image quality, and resolution.



Intelligent Categorization

Proprietary NLP based classification framework is trained to categorize key value pairs and line items.



Data Validation

A rule-based validation engine applies contextual data validation and correction algorithms on extracted data.



Integrate

Easily integrates with API management software such as DellBoomi and Advance Shipping Notice(ASN) software such as Highjumpinto.

Results

500 +

hours
Processing time saved per month.

\$10,000 +

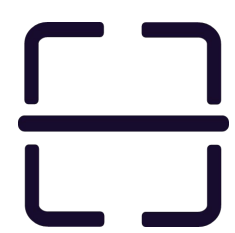
Processing cost saved per month.

99% +

Processing cost reduced by automating workflow end to end.

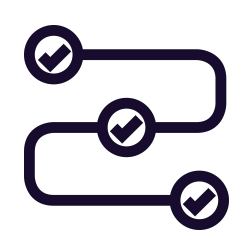
About Docsumo

Established in 2019, Docsumo is a Document AI startup that automates document workflow for enterprises. We help enterprises convert unstructured documents to accurate data for automated decision making. Beyond data capture, Docsumo provides document specific analytics and fraud detection. Docsumo is backed by Techstars, Better Capital and Barclays Investments.



Document Capture

Capture data from any document in real time with 99% accuracy.



Workflow Automation

Implement human-in-the-loop review process along with smart validation checks.



Analytics

Get key attributes based on extracted data to automate decision making

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