



# Market Analysis

Digital Transformation Technologies & Services

# Document Cognition SmartLabTest

## Report Abstract

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44-pages

## Contents of Full Report

1. Summary of SmartLabTest Results
2. Summary of Platform Strengths
3. Document Cognition Processes
4. Document Cognition Platform  
Handling of Field Types

## Who is This Vendor Assessment For?

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NelsonHall's Document Cognition SmartLabTest report is a functional "lab" test evaluation of document cognition platforms, designed for:

- Sourcing managers monitoring the capabilities of existing suppliers of Document Cognition platforms and identifying vendor suitability for document cognition RFPs
- RPA and intelligent automation center of excellence personnel evaluating document cognition platform capability
- Vendor marketing, sales, and business managers looking to benchmark their platforms against their peers
- Financial analysts and investors covering intelligent automation and Document Cognition platforms.

This market analysis complements NelsonHall's [Intelligent Automation Platform](#) evaluation.

## Key Findings & Highlights

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One of the key challenges for enterprises in moving to end-to-end intelligent automation is their ability to ingest and interpret documents. Automation is great but it needs digital inputs to feed it and so the race is on between the leading intelligent automation platforms to develop document cognition functionality.

However, it's important to recognize that at this stage of the market, it's not a case of one-size fits all. In fact, it's absolutely crucial that organizations select the most effective document cognition platform for their processes and document types.

To assist organizations in this, I've just completed a NelsonHall SmartLabTest evaluation of document cognition platforms. This first-of-a-kind evaluation goes beyond the usual analyst reviews of functionality to test each platform's ability on real documents in a lab environment.

Within the assessment, I tested each platform's ability to ingest and interpret:

- Structured documents such as mortgage applications and ACORD filings
- Semi-structured documents such as invoices and purchase orders
- Highly unstructured documents such as resumes.

The KPIs assessed for each document type included:

- Proportion of fields correctly recognized
- Accuracy of extraction of recognized fields
- Proportion of fields overall that 100% accurate and require no manual intervention

The result is an invaluable tool for buyers looking to select a document cognition platform capable of ingesting their types of documents with a high degree of accuracy and a low level of exception-handling.

## Scope of the Report

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Each document cognition platform was lab tested by NelsonHall using a SmartLabTest to evaluate its capability to recognize fields and accurately ingest field across a range of structured, semi-structured, and unstructured documents.

NelsonHall's SmartLabTest testing comprised four main stages:

- Designing the document cognition models
- Document Ingestion
- Document verification
- Testing.

This report provides the quantitative results of the SmartLabTest comparing each platform's performance for each document type. For each platform, the report includes:

- The SmartLabTest results
- Analysis of the platform's strengths & weaknesses
- Identification of the key features of each platform
- An evaluation of comparative platform maturity

The platforms lab tested are:

- ABBYY FlexiCapture
- AntWorks CMR
- Automation Anywhere
- LTI Mosaic
- UiPath.

All relevant platform vendors were invited to take part in the NelsonHall SmartLabTest.

## About The Author

Mike is a Senior Analyst at NelsonHall, focusing on intelligent automation and digital technologies.

Mike's main research focus is on digital transformation technologies, including RPA, blockchain, IoT, artificial intelligence, cognitive, and machine learning.

Highly regarded for his analytical talents, Mike also leads data modeling and analytics initiatives in support of NelsonHall's ITS and BPS market forecasts and market surveys. He was responsible for transforming NelsonHall's extensive global market forecast engine, including the introduction of NelsonHall's unique interactive Self-Forecasting Tool

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NelsonHall is the leading global analyst firm dedicated to helping organizations understand the 'art of the possible' in digital operations transformation. With analysts in the U.S., U.K., and Continental Europe, NelsonHall provides buy-side organizations with detailed, critical information on markets and vendors (including NEAT assessments) that helps them make fast and highly informed sourcing decisions. And for vendors, NelsonHall provides deep knowledge of market dynamics and user requirements to help them hone their go-to-market strategies. NelsonHall's research is based on rigorous, primary research, and is widely respected for the quality, depth and insight of its analysis.

We would be pleased to discuss how we can bring benefit to your organization. You can contact us via the following relationship manager: Guy Saunders at [guy.saunders@nelson-hall.com](mailto:guy.saunders@nelson-hall.com)

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