

Document Cognition SmartLabTest

AntWorks CMR

Report Abstract

April 2020

By Michael Smart

Industry Sector Analyst

NelsonHall

17-pages

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Who is This Vendor Assessment For?

NelsonHall's AntWorks CMR report is a functional "lab" test evaluation of the AntWorks CMR document cognition platform, 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.

Key Findings & Highlights

This NelsonHall vendor assessment tested AntWorks CMR's capabilities in ingesting and interpreting:

- 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.

AntWorks' CMR encompasses multi-format data ingestion, fractal network-driven learning for natural language understanding using combinations of supervised learning, deep learning, and adaptive learning, and accelerators. Current industry accelerator modules include financial document API, mortgage API, invoicing, and trade finance, amongst others.

CMR aims to be a business user friendly way of introducing document cognition with its Content-based Object Retrieval (CBOR) to "lift and associate all the content" to capture the documents' data and perform training in production for continuous improvement using ML integrated into the recognition engine.

AntWorks has stressed the differentiation of its fractal analysis-based CMR compared to that of traditional OCR leveraging neural network-based ML, highlighting fractal analysis' higher quality pattern recognition (leading to higher accuracy of captured content, in particular with handwritten forms); being zone and template independent (and therefore more able to adjust to changes in document templates); the ability to utilize JIT pattern recognition methods, rather than sequential and linear character matching; and the lack of requirement for a predefined font library.

Scope of the Report

The report provides a comprehensive and objective analysis of AntWorks CMR's capabilities, including:

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

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

Document Cognition Vendor Assessments also Available for:

ABBYY, Automation Anywhere, LTI, UiPath

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



Ivan can be contacted at:

- Email: mike.smart@nelson-hall.com
- Twitter: @MikeS_NH

About NelsonHall

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

Boston

Riverside Center, 275 Grove Street, Suite 2-400, Newton Massachusetts 02466
Phone: +1 857 207 3887

London

Unit 6, Millars Brook, Molly Millars Lane, Wokingham, RG41 2AD
Phone: + 44(0) 203 514 7522

Paris

4 place Louis Armand, Tour de l'Horloge, 75012 Paris
Phone: + 33 1 86266 766

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