Instaknow-ACE™ "Human Intelligence Automation" Software from Instaknow.com, Inc.

Competitive Products - Feature Comparison

Instaknow's technology is protected by U.S. patents 6732102, 7073126, 7437342, 7979377, 9443005 and additional pending patents

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Instaknow-ACE™ - Competitive Products Feature Comparison

Compared with offerings from Robotic Process Automation (RPA) Solutions

No.	Feature	Instaknow-ACE	Competing Solution	Comments
1	Rapid connectivity to multiple systems for seamless, coordinated, real-time integrated actions	Yes	Yes	Real-time integration across multiple internal, external and SaaS applications without needing technical changes.
2	Creating new compositions using mobile apps and multiple enterprise systems	Yes	Yes	Any part of an Instaknow process can be re-used in another process.
3	Easy orchestration of very complex, multi-system automation	Yes	Yes	Instaknow offers the most advanced process validator (debugger) of any RPA product, allowing rapid configuration and deployment of very complex automations.
4	Intelligent Artificial Intelligence Learning and Auto-discovery	Yes	No	Instaknow uses human-vision-like scanning to locate data is of interest in real-time. Competing technologies need to find data of interest in technical detail; or need to be shown examples of each layout.
5	Operating Mainframe, AS400 and Client-server screens	Yes	Yes	
6	Operating complex web pages in browsers	Yes	Yes	Competing solutions work only with browser interfaces that are fairly constant in their layouts or have technical markings (HTML tag "names/ids") in the page HTML. Instaknow's patented Artificial Intelligence uses electronic "eyeballing" to locate field labels in web pages and then use the labels to dynamically identify the related data of interest, just like a human eyeball; even when web page layouts change and technical ids change.

7	Operating multiple browsers simultaneously from a single process	**Yes**	**No**	Like a user opening different web pages in multiple browser tabs at the same time to make a decision, Instaknow processing can open multiple active web pages simultaneously and keep them open for the duration of a single business transaction; allowing read, comparison and save/cancel of data in multiple web systems as a single business transaction. Competing technologies are "stateless/no-memory" and can operate only one browser at a time per transaction, requiring additional coding and complexity to unnecessarily save data locally before using it to update another web page or another downstream system.
8	Built-in Web and Document Mining	**Yes**	**No**	Instaknow offers built-in wizards for firing complex web and document searches (i.e. in local or online document folders) and using the found web pages or documents for further processing.
9	Deal reliably with <u>unpredictably formatted unstructured data</u> in complex documents (e.g. PDF, Excel, Word, emails)	**Yes**	**No**	Instaknow's Artificial Intelligence uses electronic "eyeballing" to correctly locate section headers and field labels in complex documents to precisely isolate data of interest, regardless of varying pages, sections and paragraphs. This data is then converted to an XML for use by downstream systems, eliminating the need for manual document scans and data re-entry. Competing technologies offer nothing that can reliably identify, isolate and convert unpredictable-layout data into system-ready structured data.
10	Color and font awareness	**Yes**	**No**	Instaknow can detect colors, fonts and styles from all types of documents; allowing for business rules like "Process only the lines from the email-attached

				invoice that are in italic font".
11	Fuzzy or inexact matching	**Yes**	**No**	Unlike conventional software, Instaknow has patented artificial intelligence that can calculate SIMILARITY across multiple data items. Thus Instaknow can accept or reject typos, misspellings, word variations and partial data matches like a trained user.
12	Natural Language Processing (NLP)	**Yes**	**No**	Instaknow's patent-pending NLP capabilities allow accurate text mining regardless of variations in word sequences.
13	Federated Server Architecture for automated fault-tolerance and load-balancing	**Yes**	**No**	Instaknow servers on the same logical network process all work in parallel using a built-in shared virtual work queue. If a server goes down, others pick up the pending transactions automatically, ensuring no impact on total processing.
14	Centrally-governed distributed applications	**Yes**	**Yes**	Instaknow applications are intelligent XML files, which can run on distributed servers/desktops while being centrally governed from a "master" application server.
15	Processing very large transaction volumes	**Yes**	**No**	Due to the Object Oriented design of Instaknow's software, high-volume parallel processing can be achieved from any run-time machine, subject only to hardware capacity. It is common for a single Instaknow server to process millions of web interactions and document pages per month, replacing manual work of hundreds of people.
	TOTAL SCORE OF 'YES'	**15**	**6**	