



Providing Advanced Data Capture and Management Software

RAF IS A WORLDWIDE LEADER IN PATTERN RECOGNITION, INFORMATION EXTRACTION, AND DATA VERIFICATION



For nearly 20 years, RAF Technology has been a leader in developing high speed software and enterprise solutions for structured and unstructured data, identity analytics, and data quality verification. Headquartered in Redmond Washington, RAF brings

industry leading experience protecting government and commercial electronic transactions and data, enabling complex optical mechanical processes, and broadly deploying advanced pattern recognition algorithmic software solutions worldwide.

“RAF’s approach to building custom software follows a highly structured methodology that yields a high quality solution.” Susan Kenny – Federal Reserve Bank

RAF’s expertise in pattern recognition, image capture (OCR), address cleansing, and semantic data match processing can offer your company innovative customized software solutions that will really solve your most demanding customer and business needs.

- Advanced OCR Technology
- Adaptive Intelligence
- Data Cleansing
- Intelligent Contextual Analysis™
- Forms Recognition
- Security & Fraud Detection
- Semantic Search
- Professional Services

For more information please call



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About RAF

- Private, profitable software company, co-founded in 1989
- Proven pattern recognition and data processing experts
- Solving hard problems for demanding customers

Government and commercial solutions include:

- Pattern recognition – CIA and NSA
- Mail sortation – US Postal Service, Pitney Bowes, NPI
- Identity verification – US Department of Treasury
- eForms Processing– Boeing
- Semantic Search Engine – Radiant Asset Management



Key Products

Argosy Post

Our patented Adaptive Technology™ Multi Line Optical Character Recognition (MLOCR) software simply reads more mail than any other MLOCR because we respond dynamically to a wider range of address locations, print sizes, fonts, and print resolutions that normally cause problems for other readers. Argosy Post Platinum employs multiple reading algorithms to maximize finalization rates. In essence, our adaptive intelligence process offers our customers a single recognition engine platform with the virtual processing power far superior to even multiple OCR readers. The result of which is enhanced read rates and minimized errors. This process occurs while using the computing power and efficiency of a single host computer. Whether you are trying to process shiny/glossy mail, flats, mail with poor contrast, color, or difficult fonts, Argosy Post Platinum will provide the highest possible read rate for your mail operation.

Smart Match

Smart Match was developed to enhance the overall read rate of RAF's MLOCR and incorporates precision tuned algorithms which optimize our engine to recognize and reduce the level of character noise or poor image quality which is generated from various printing techniques. Introduced at the 2007 National Postal Forum, Smart Match offers the next generation of fully integrated address database directories, meeting the latest United States Postal Service® Coding Accuracy Support System (CASS™) and Multi-line Accuracy Support System (MASS™) for cycle 'L' requirements, which includes support for DPV™, LACS^{Link}™ and Suite^{Link}™. Optimized to maximize the Adaptive Intelligence built into Argosy Post MLOCR software, Smart Match provides the highest level of address verification and data cleansing performance for all your domestic and international postal address needs.

Cartouche

Cartouche is designed to be a custom solution for the most esoteric problem. It provides advanced data recognition software used for reading, extracting, and validating all forms of machine print and handwritten data which can then be electronically transmitted and automatically processed. RAF's proprietary recognition technology uses field structure and dictionary references to generate an *Intelligent Contextual Analysis*™ which provides very accurate total capture document information. The simple to use graphical interface software allows users to easily define the level of information extracted from each form field by defining allowable character sets and sting lists. This powerful program doesn't just read individual characters like most comparable solutions, but actually interprets the scanned image in terms of the data you expect to capture in your forms. Bottom-Line, RAF's *Intelligent Contextual Analysis*™ system improves capture accuracy, internally will validate your data, and will reduce your overall operating expense and errors that occur in the process of converting each paper form document into electronic processing media.

Verification Engine

The Verification Engine was created to address the problem of incorrect or missing data in commercial data sources. Verification against commercial data sources is only as reliable as the data contained therein. RAF recognized that all commercial data sources have incomplete or incorrect data. However, not all commercial data sources have the same incorrect or incomplete data. For six years, RAF has supplied a patented identity verification plug-in solution to the US Department of Treasury, underpinning Treasury's Pay.gov website, and to the US Postal Service. The Verification Engine is used by both agencies (and through Treasury by many others) to validate personal and commercial identities. It enables secure access to sensitive databases which would normally be difficult to query for privacy reasons. In a nutshell, the Verification Engine securely connects and integrates in real-time disparate databases containing different fragments of identity data. From the combined information, it calculates the probability that the claimed identity is real and belongs to the entity requesting system access. For each identity validation, the Verification Engine calculates a Query Strategy to most economically, efficiently, and validate – or reject- the claimed identity.