NovoDocufier®

NovoDocufier software streamlines business processes by automatically recognizing and classifying digitized documents and extracting actionable text.

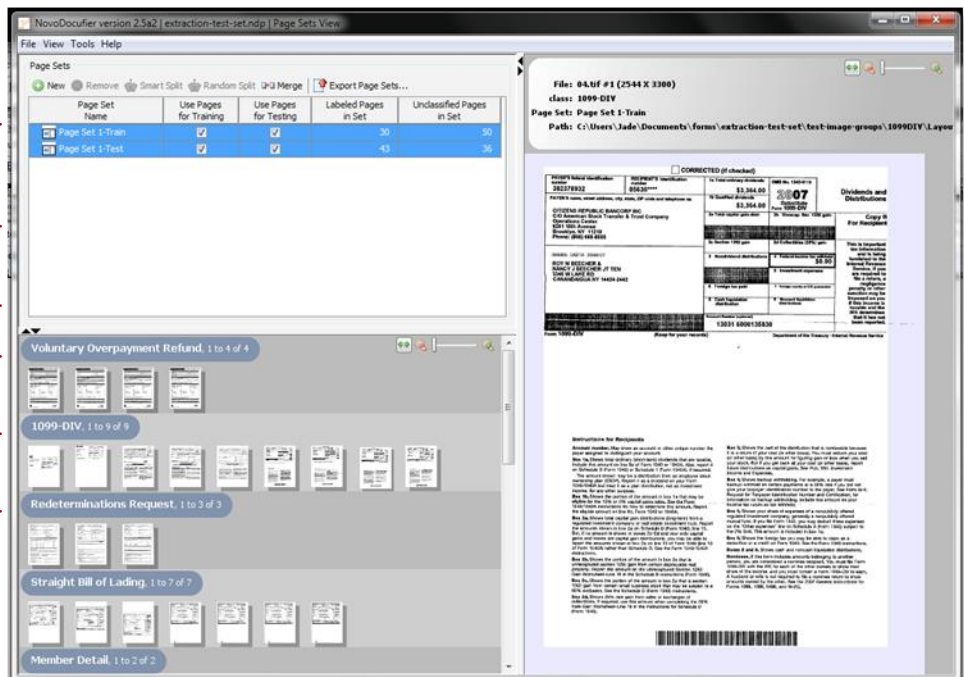### ▶ The Challenge: Efficiently sorting stacks of mixed documents and capturing paper-based data

While organizations are striving to reduce or eliminate paper, they are still processing thousands of paper-based documents every day. Labor-intensive manual sorting is time-consuming, unsecure and subject to human error. In the past, intelligent document recognition (IDR) systems have been extremely expensive to customize and maintain because they require specialized and costly professional services teams to design and develop complex templates and page recognition rules.

▶ The Solution: NovoDocufier – the most cost-effective way to classify documents and capture data

NovoDocufier allows non-technical end-users to easily generate production modules that recognize diverse document types and extract specified data that can then be routed to backend enterprise information processing systems. NovoDocufier® document classification software is a truly intelligent solution that…

- **Delivers Rapid ROI:** NovoDocufier is cost-effective to adopt — no expensive professional services staff is needed to set up, as there are no complex rules to define.

- **Automatically Sorts Documents and Extracts Selected Text:** Easily create production modules to recognize desired document types and extract text from specified fields using NovoDynamics industry-leading optical character recognition (OCR) technology. Integrate production modules into workflow to automate electronic routing of documents and delivery of actionable data into business processes.

- **Accelerates Workflow:** NovoDocufier relies on innovative image-based document recognition for faster, more accurate classification. Only using OCR if document types are visually identical, NovoDocufier is at least 10X faster than OCR-based solutions.

- **Enhances Productivity:** No pre-sorting or pre-analysis of pages is required. Built-in image enhancement technology prepares and clarifies document images for faster processing. Simple to learn and use, just point and click to train NovoDocufier to recognize document types — non-technical staff can be trained in hours, not days.

- **Facilitates Integration:** Quick and easy to deploy, production modules can be integrated into legacy information systems with industry-standard APIs.

Import unprocessed document images: unsorted, skewed, rotated, degraded, scaled, shifted.

Automatically enhance images of poor quality originals and correct orientation.

Automatically sort and stack similar documents.

Assign labels to relevant stacks.

Point and click to specify fields for text extraction.

Save production modules for integration into workflow.

Add or adjust production modules as new document types are encountered.

NovoDynamics

Innovative Engineering for Superior Speed and Accuracy

- **10X Faster Document Recognition:** Other products base identification on time-consuming optical character recognition (OCR) and keyword search methodologies, essentially having to "read" through the entire document. Innovative page pixel analytics and topographical technology developed by NovoDynamics identifies documents the same way people recognize individuals, first utilizing image-based analyses for a quick assessment of characteristics, then applying OCR as needed and only on selected regions of the document. Tests have shown NovoDocufier to be as much as 60X faster than the leading competitor.

- **Industry-leading OCR:** When optical character recognition is applied, NovoDocufier uses the same technology developed by NovoDynamics for its award-winning NovoVerus® OCR software, the choice of critical government, military, intelligence and academic initiatives around the world.

- **Robust Image Enhancement:** NovoDynamics® NovoImage+® image-enhancement software is built right into NovoDocufier. NovoImage+ features technology like Automatic Orientation Detection (AOD), which deskews rotated pages, as well as specialized tools that clean up and optimize damaged and degraded documents, automatically preparing them for superior results.

An Exceptionally Productive Work Environment

- **Adaptive Learning Capabilities:** The artificial intelligence engineered into NovoDocufier software dramatically simplifies initial set up and facilitates the addition of new format variations to previously trained document templates. As additional document types are added, NovoDocufier trains itself to generate associations within document classes and profiles.

- **Integrated Testing:** Fully integrated testing tools allow users to measure speed and rapidly verify recognition accuracy prior to installing new modules into the production environment.

- **Intuitive User Interface:** The easy-to-learn user interface eliminates the need to hire expensive professional services teams to design and develop complex templates and page recognition rules.

- **Global Language Ready:** No need for multiple solutions to manage various languages — NovoDynamics' industry-leading global OCR technology recognizes Middle Eastern, Cyrillic and Roman alphabets.

Industry Standards Enhance Productivity and Facilitate Integration

- Supports both Windows and Linux.

- NovoDocufier is a 64-bit, enterprise document classification solution, built to take advantage of multi-core processors.

- Integrating NovoDocufier with any capture, ECM, BPM, ERP or other backend information system is easily achieved through its robust C/C++ and .NET API.

Minimum System Requirements

- Windows® 7 or 8, Windows Server 2008 or 20012, Linux
- 4GB RAM
- Dual-core processor
- 300MB or greater disk storage

Where to Buy

NovoVerus software is available directly from NovoDynamics or via its global network of Certified Solutions Partners.

OEM Licensing

Contact us for information.

NovoDynamics, Inc., an In-Q-Tel portfolio company incorporated in 2001, develops intelligent information capture software and provides advanced analytics solutions. Leveraging its pre-eminent image enhancement, pattern recognition and data mining technologies, NovoDynamics® products recognize, extract and index data — even from degraded sources. NovoDynamics solutions analyze large, disparate data sets to address highly complex challenges. With its track record of success in streamlining information on-ramps and adding business intelligence to back-end repositories, NovoDynamics helps organizations leverage their investments in business processes and enterprise resource planning platforms. NovoDynamics products and solutions are used worldwide by commercial industries, governments and academia.

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