I SmartDoc 智慧文档系统

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Date:July 5, 2025

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Smarter, faster and better-all in one

What is Intelligent Document Processing (IDP)?

Addressing the Challenges of Unstructured Data Processing. In the banking industry, manual processing of unstructured data is both time-consuming and costly, with high error rates. By leveraging artificial intelligence and machine learning, banks can automate data extraction, classification, and processing to transform it into structured insights. This IDP solution streamlines operations, boosts efficiency, and enhances accuracy.

† The next generation of intellige

Subordinat e	core competence	Representative technologies
lst generation	character recognition	EasyOCR
Second generation	Layout analysis + text recognition	Layout LMv3
3rd generation	Multimodal + reasoning + learning	ABBYY Vantage
Now	Vision + zero sample + autonomous learning	The next generation of intelligent engines



Customer Stories

CFO Jade | One of the top 30 chemical companies

A key focus of our attention lies in whether the system has genuinely reduced costs after its launch. In terms of supplier settlements, we have consistently performed well. I will continue to reflect and explore whether our current management methods are more scientific and efficient. Compared with industry peers, how to enhance work efficiency and maintain competitive advantages remains a constant concern for us.

Asia Pacific Financial Shared Service Center, responsible for accounts receivable and payable in Malaysia, Thailand, Taiwan, Japan, Singapore, Hong Kong and other regions.







Customer Stories

CFO Monica | A semiconductor leader

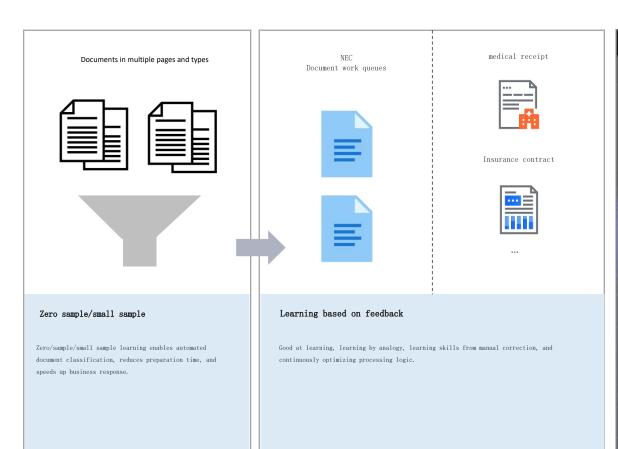
Previously, to streamline payment processes, some purchases were registered as consignment sales. This practice stemmed from the fact that most finance department staff were gentle-tempered women who often tolerated such irregularities to expedite problem resolution. However, after the new system went live, these practices became effectively regulated. While normal purchasing procedures remained as convenient as consignment sales, it eliminated manual adjustments in the ERP system, significantly reducing the need for labor-intensive corrections.

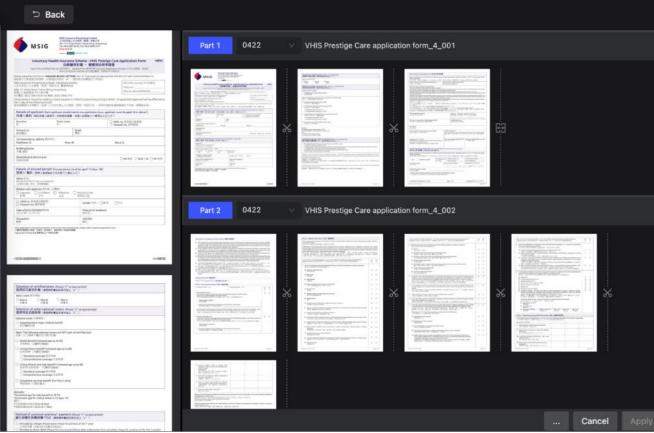






Singapore and the Mainland of China have a total of five entities, including supplier payments and expense management.





Breakthrough document understanding capability for visual LLM





Non-template AI model

Key value and table structure data extraction

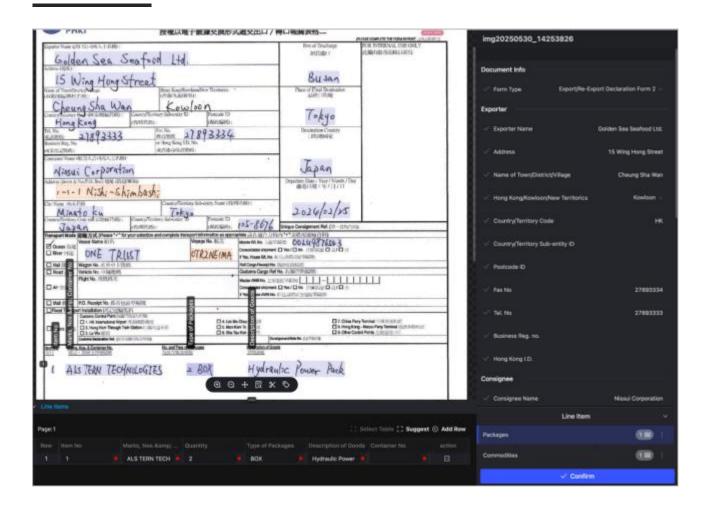
- Multilingual, including Chinese, English, French, Spanish, Portuguese, German, Italian, Russian, Japanese, Korean, Vietnamese, Thai, Arabic and 29 other languages
- Handwriting recognition

Short preparation time

- -No preparation required for experience testing
- -configurable field extraction
- -Accuracy of 500 different vendor invoice formats can be improved in just 3 to 5 business days

Specialized research and development for handwriting



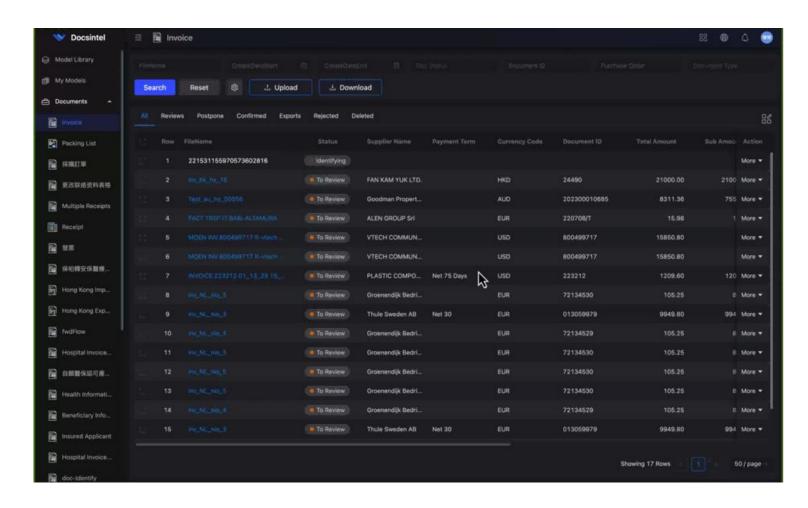


A UI interface where you see is what you get

Intelligent correction of spelling errors, such as: Cantonese name, etc

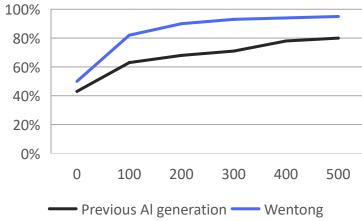
Signature and seal detection can provide business side with image and similarity algorithm API

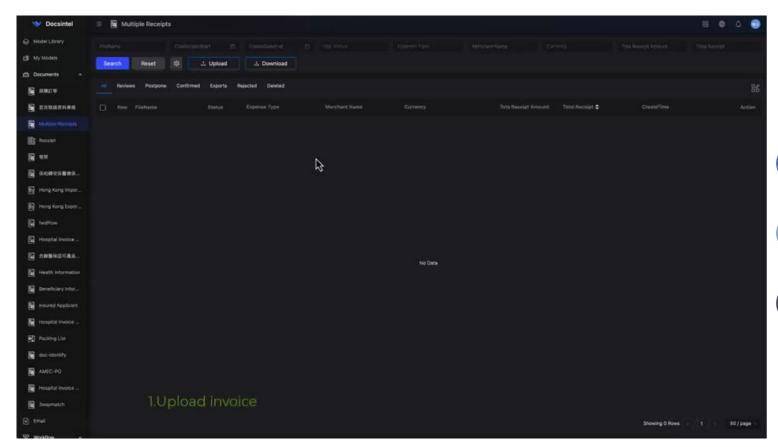
Checkboxes can be identified in the questionnaire



No label training, correction is learning

- For documents containing errors or defects, the system engine can learn the
 features of the document with only one or two checks and corrections from the user,
 and accurately extract the required information in subsequent identification
 processes
- Significantly shorten the preparation time and improve the implementation
 efficiency
- As it continues to be used, the system is constantly optimized and flexible to new business changes.





Not only can it understand a single object, but it can also detect and accurately identify multiple objects

Intelligent differentiation of printed OR handwritten

Supports handwriting confidence detection

Supports determining cost types based on content

Saas cloud or local deployment





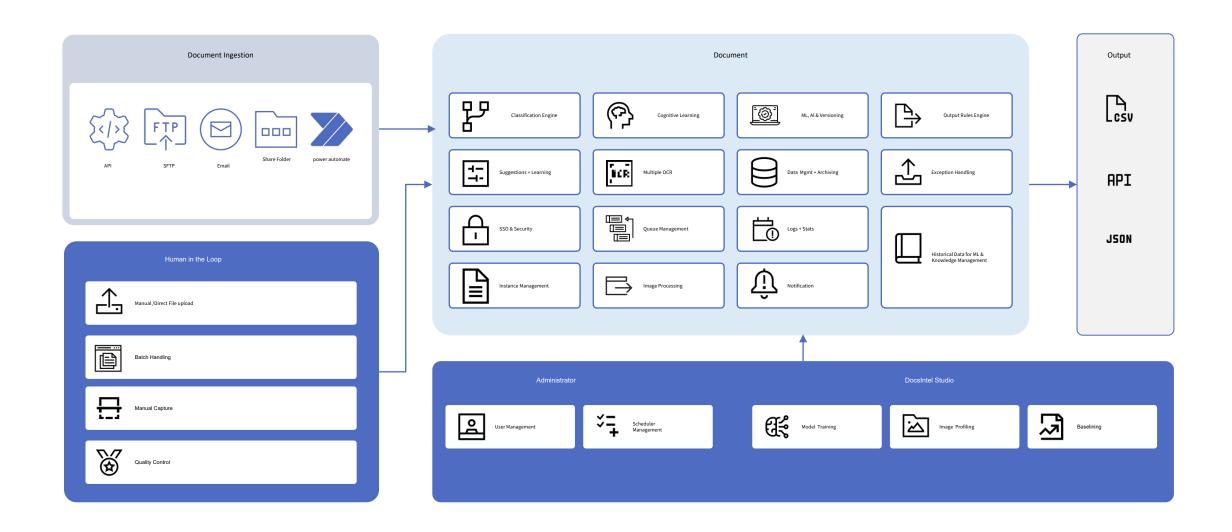
The core technology architecture with fully independent intellectual property rights supports flexible deployment mode: it can provide ready-to-use SaaS cloud services to achieve rapid online in minutes; it can also support enterprise-level localized private deployment to ensure data sovereignty and system security.

Zero sample technology, support for all kinds of semi-structured multilingual documents

For example: customs declaration, invoices in various languages, packing lists, delivery notes, etc



Intelligent Document Processing



Data security and compliance assurance

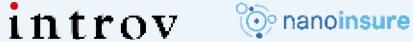


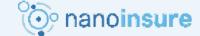




Key security practices

- Data encryption (transmission and static state)
- Role-based access control and audit logs
- Continuous monitoring through the Azure Monitoring and Security Center
- Comply with international standards and reduce regulatory risks for insurance companies in Hong Kong, Macao and Taiwan









Signed channels (order not specified)

IDP Features

Module	Capability	Description	
Document Ingestion	API, SFTP, Email, Shared Folder, Power Automate	Support flexible input of files from various systems and sources-automatic or manual	
Human-in-the-Loop	Manual Upload, Batch Handling, Manual Data Entry, Quality Control	Allow manual review and intervention in complex or exceptional cases to ensure accuracy	
Core Modules and Engines	Document Classification	Automatically identify file types (e.g., invoices, contracts, reports)	
	Cognitive Learning	Learn from user feedback and historical patterns to gradually improve	
	OCR Engines	Supports 192 languages and handles complex layouts, reading order, and multi-column structures	
	Image Preprocessing	Improve image quality for better OCR results	
	Data Archiving & Management	The security storage is structured and allows easy retrieval or auditing	
	Exception Handling	Automatically tag and route problem files for human review	
	Output Rules Engine	Application business logic generates structured data output, such as JSON or CSV	
	Logs & Analytics	Track processing history and system performance to gain operational insights	
	Queue & Instance Management	Manage the processing queue to ensure scalability and system stability	
	SSO & Security	Provides secure access with single sign-on and role-based permissions	
	Suggestions & Learning	Provide field suggestions and learn from the fixes to facilitate future processing	
	Historical Data Store	Collect tag data for future model training and knowledge reuse	
Notification System	Alerts & Updates	Send updates about the status, error, or required operation in real time	
Admin Console	User Management	Control access and roles on the platform	
	Scheduler Management	Automate document processing tasks according to defined schedules	
DocsIntel Studio	Model Training	Train the AI model according to your specific file type and format	
	Image Profiling	Set the best image processing rules according to the file type	
	Baselining	Define a baseline of accuracy and track the models improvement over time	
Output	API, JSON, CSV	Provides structured output for seamless integration with downstream systems	