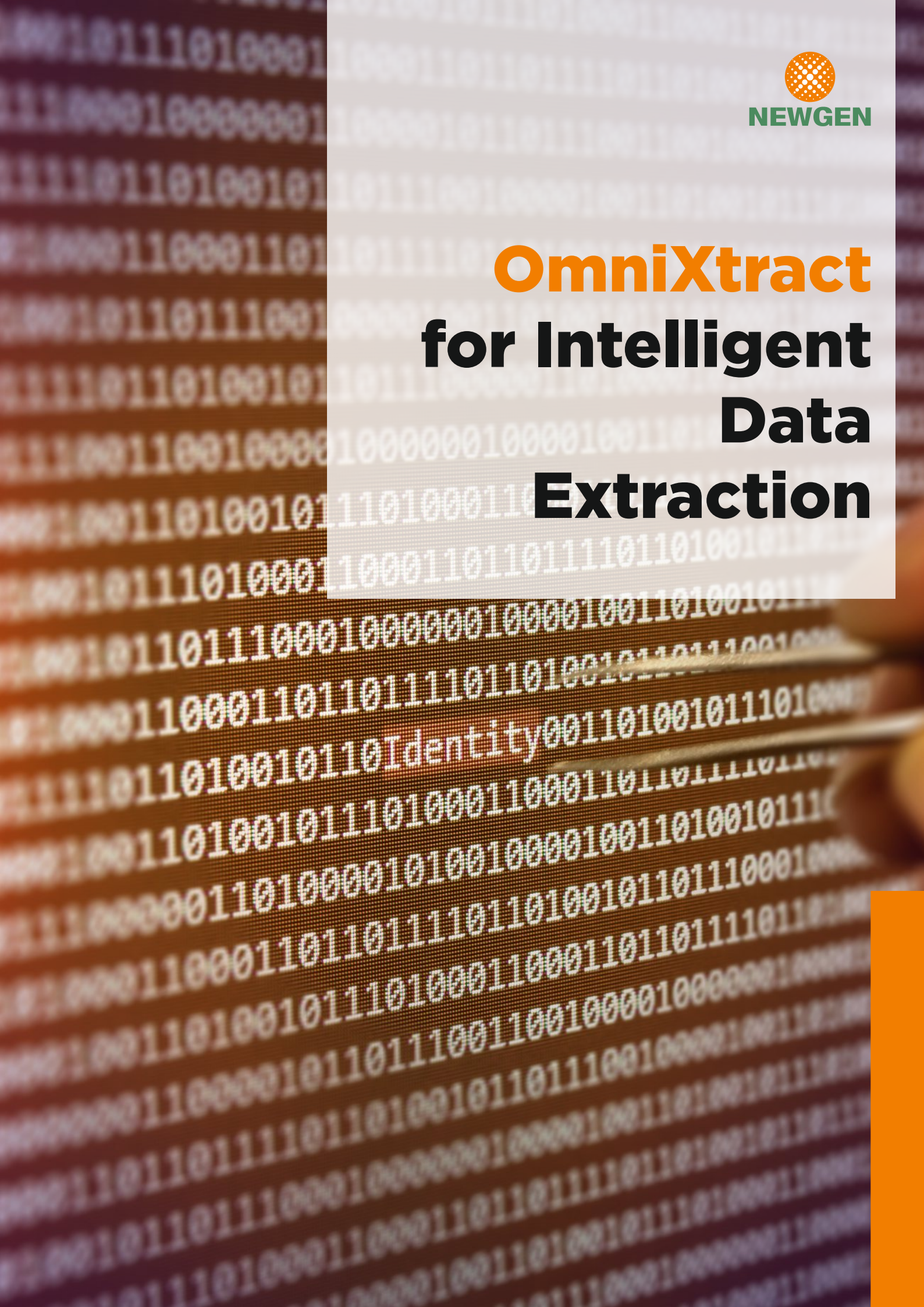




NEWGEN

# OmniXtract for Intelligent Data Extraction



# Newgen OmniXtract

Most of the critical business data remains hidden in ever-increasing volumes of paper or electronic documents. You, as a business leader, need a way through which your users can mine valuable information held within a document and make well-informed decisions.

OmniXtract, packaged with Newgen OmniFlow iBPS suite, swiftly extracts critical data from documents of multiple layouts. It collects documents from input sources, makes them legible, and extracts data with precision, while continuously improving extraction accuracy.

## Business Benefits

### Smarter Decision-making

Enable smarter decision-making, driven with contextual data. Deliver personalized, enhanced customer experience

### Higher Operational Efficiency

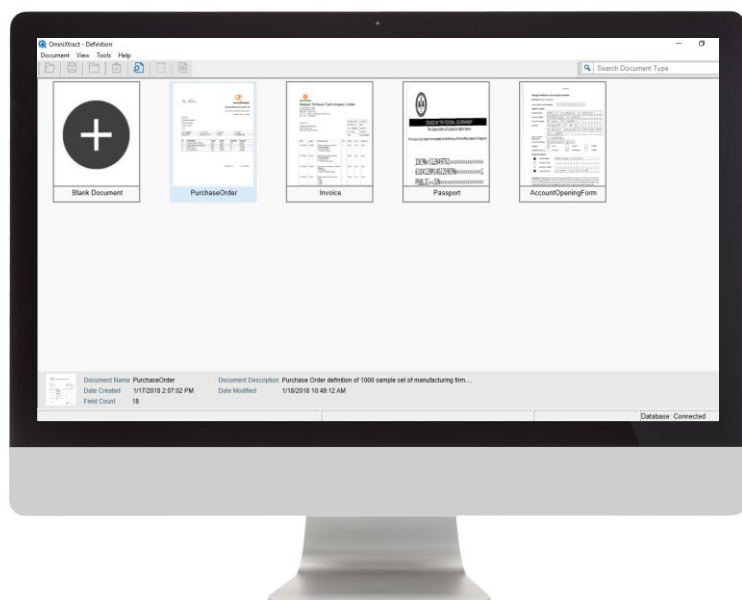
Get First Time Right with human assisted verification. Eliminate erroneous, duplicate and slow manual data entry with automated data extraction

### Minimized Business Risks

Mitigate business risks with availability of error-free data in real time. Witness quick, accurate data extraction and verification via document layout learning

### Higher ROI

Avoid cost-intensive multiple data extraction utilities. Yield higher returns and bring down investment costs with a single extraction product



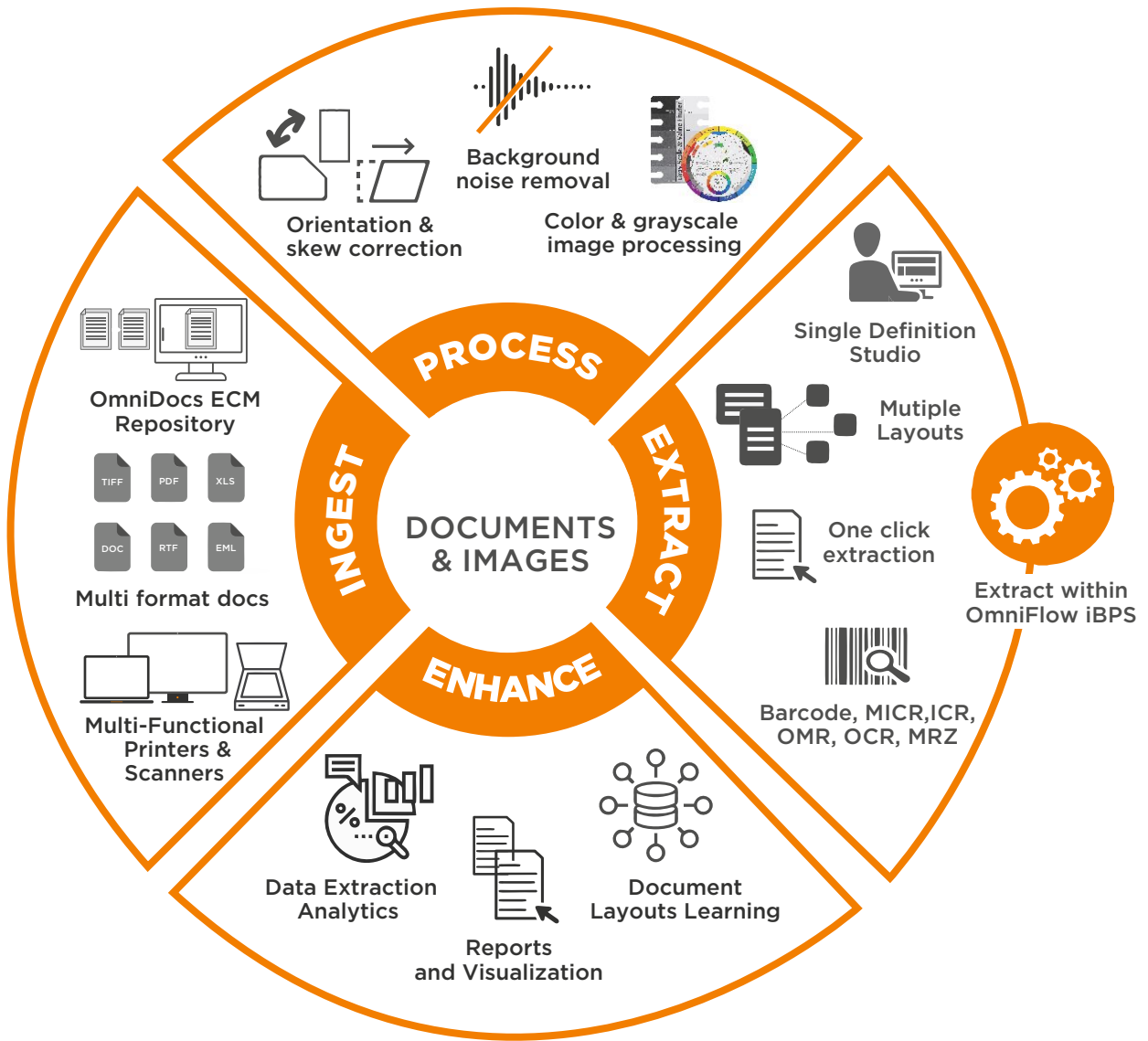
**Extraction of multiple documents over a single interface**



## Why OmniXtract

- Digitize documents of multiple layouts over a single interface
- Accelerate business operations with instant data extraction and verification
- Enhance accuracy in data extraction by leveraging continuous learning
- Scale rapidly to handle burgeoning volume of documents
- Leverage auto-extraction within OmniFlow iBPS





## OmniXtract Framework

“Our clients process documents to the scale of 10-50 million documents per year. OmniXtract is scalable and can handle the growing volumes of documents.”

- **OmniXtract Product Head**

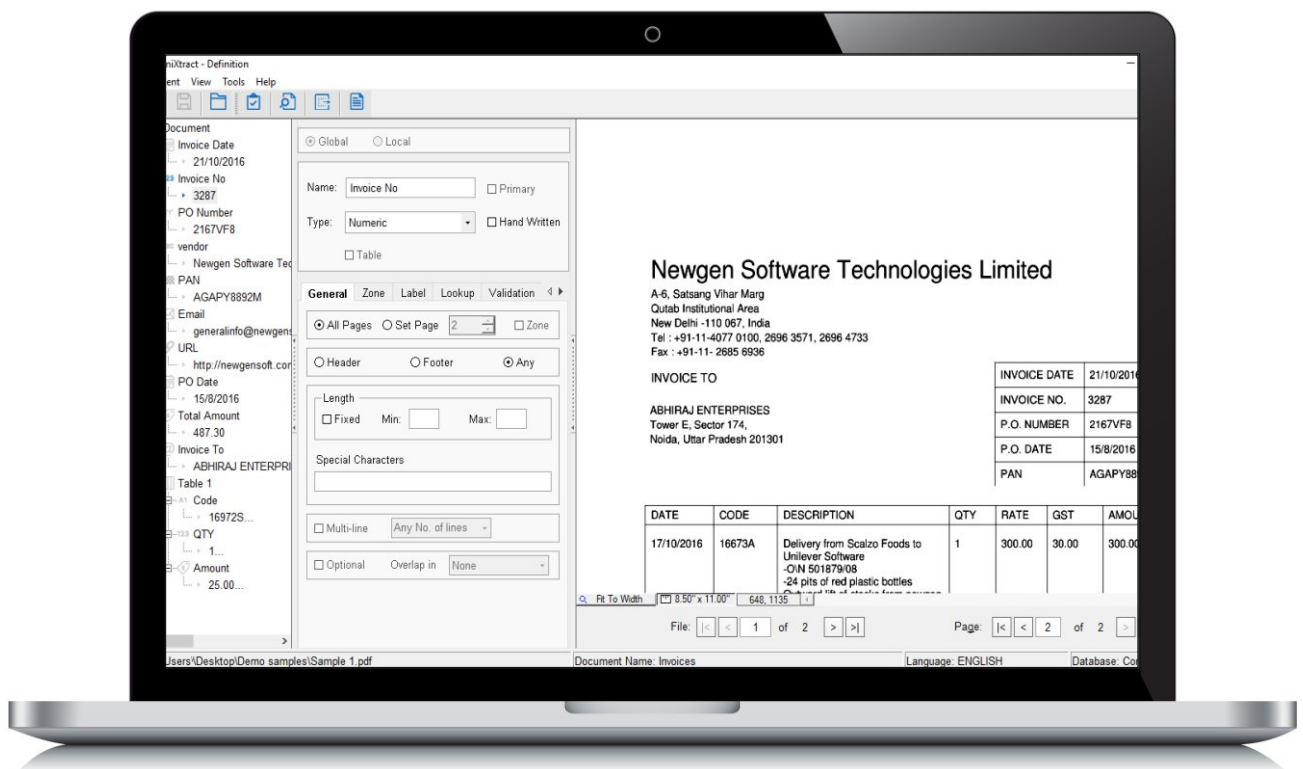
# OmniXtract Features

## Ingest

- **Document Ingestion** - Ingest documents and images in multiple formats, from different content sources
  - ▶ Multiple formats supported, such as PDF, Tiff, MS-word, MS-excel, RTF, and Email
  - ▶ Different content sources include multi-functional printers, scanners, enterprise applications, and repositories

## Process

- **Document Pre-Processing** - Improve quality of single page or multiple page scanned documents in real time with automatic detection, correction of image distortions
  - ▶ Color and grayscale imaging
  - ▶ Auto-correction of document orientation
  - ▶ Skew correction
  - ▶ Automatic background noise removal
  - ▶ Lines and barcode removal



**Simple and easy-to-use data definition studio**

# Extract

- **Data Definition** - Leverage single definition studio with a no-code interface for defining multiple document types with different layouts
  - ▶ Predefined data types and plain text labels
  - ▶ Fine tune data definition and labels
  - ▶ Replicate data definitions, labels to other environments
  - ▶ Provide pre-configured document types from various verticals to enable quicker implementation
- **Auto Identification and Recognition Technologies** - Support advanced technologies for seamless data extraction
  - ▶ Intelligent character recognition (ICR)
  - ▶ Optical mark recognition (OMR)
  - ▶ Optical character recognition (OCR)
  - ▶ Barcode recognition (QR code, PDF 417, data matrix)
  - ▶ Magnetic ink character recognition (MICR)
  - ▶ Machine readable zone (MRZ) detection
  - ▶ Database lookup-based extraction and validation
- **Multiple Data Formats Extraction** - Extract complex data formats from documents of different layouts
  - ▶ Table data recognition from multiple table structures
  - ▶ Hand-written text extraction
  - ▶ Multi-line data extraction
  - ▶ Data parsing
  - ▶ Multi-lingual support in 34 languages
  - ▶ Predefined data formats, including email, URL, address, date
- **Web-based Verification** - Assist workers with automated interfaces for speedy extraction, verification of unrecognized, and recognized data
  - ▶ One-click extraction with cursor pointing for undefined labels
  - ▶ High-speed manual verification with intuitive navigation to extracted data locations
- **Extraction Services** - Extract data from large volume of documents across your business processes
  - ▶ Scalable extraction at production stage
  - ▶ UI based integration of OmniXtract within OmniFlow iBPS
  - ▶ Run multiple extraction services simultaneously
  - ▶ Push extracted data into OmniFlow iBPS in the required format



# Learn

## ■ Document Layout Learning -

Continuously enhance accuracy in data extraction by learning from processed documents

- ▶ Generate labels, data, types, and locations by learning from manual data extraction of unrecognized document

## ■ Data Extraction Analytics -

Monitor extraction process and accuracy rates. Get visual indications to find data inaccuracy and make corrections

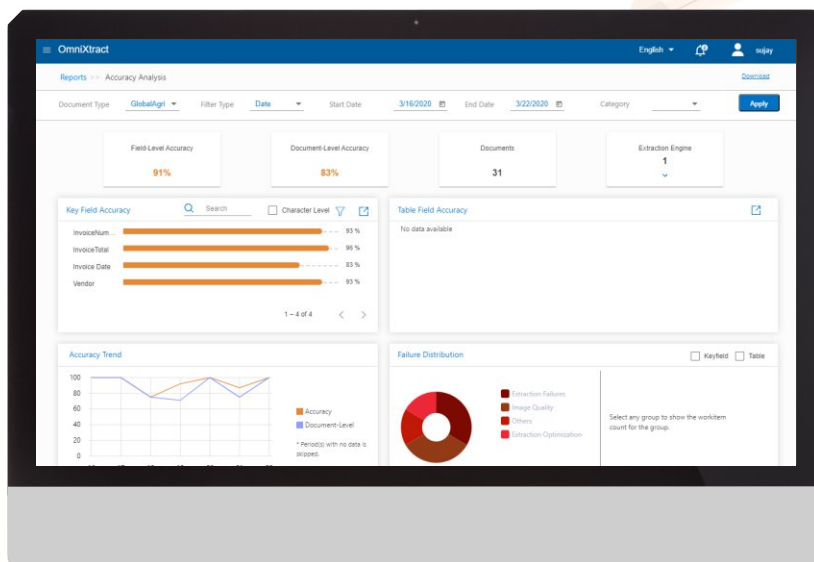
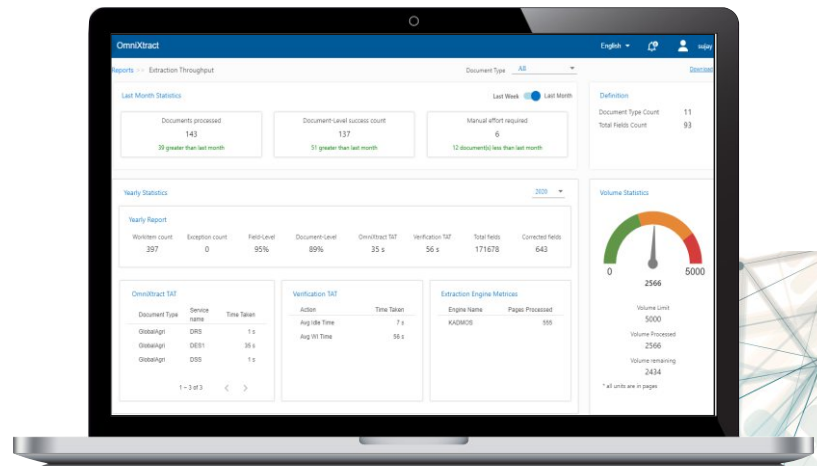
- ▶ Enhance extraction performance through historical data analysis
- ▶ Check accuracy of extracted data via system generated confidence rate

## ■ Reports and Visualization -

Provide critical extraction insights while leveraging the web-based reports across various stages of the extraction journey

- ▶ Gain access to contextual reports and dashboard with insights into various levels of accuracy
- ▶ Get image-assisted output analysis with visualization of actionable items for guided definition optimization
- ▶ Monitor throughput and trend reports

**Extract and verify data  
in a hassle-free way**



# OmniXtract for Industry Specific Document Types

## Cross Industry

- ▶ Invoices
- ▶ Purchasing orders
- ▶ Appraisal forms
- ▶ Sales orders
- ▶ Expense forms
- ▶ Surveys
- ▶ Questionnaires
- ▶ Salary slips
- ▶ Answer sheets
- ▶ Onboarding forms
- ▶ Claims

## Banking and Insurance

- ▶ Loan processing forms
- ▶ Cheques
- ▶ Bank statements
- ▶ KYC forms
- ▶ Account opening forms
- ▶ Credit card applications
- ▶ Insurance forms
- ▶ Proposal forms

## Government

- ▶ Application forms
- ▶ Passports
- ▶ Payment receipts

### About Newgen

Newgen Software is a vendor/provider of Business Process Management (BPM), Enterprise Content Management (ECM), Customer Communication Management (CCM), Document Management System (DMS), Workflow and Process Automation software. The company has a global footprint in over 69 countries with large, mission-critical solutions that have been deployed in Banks, Insurance firms, BPO's, Healthcare Organizations, Government and Telecom Companies.

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