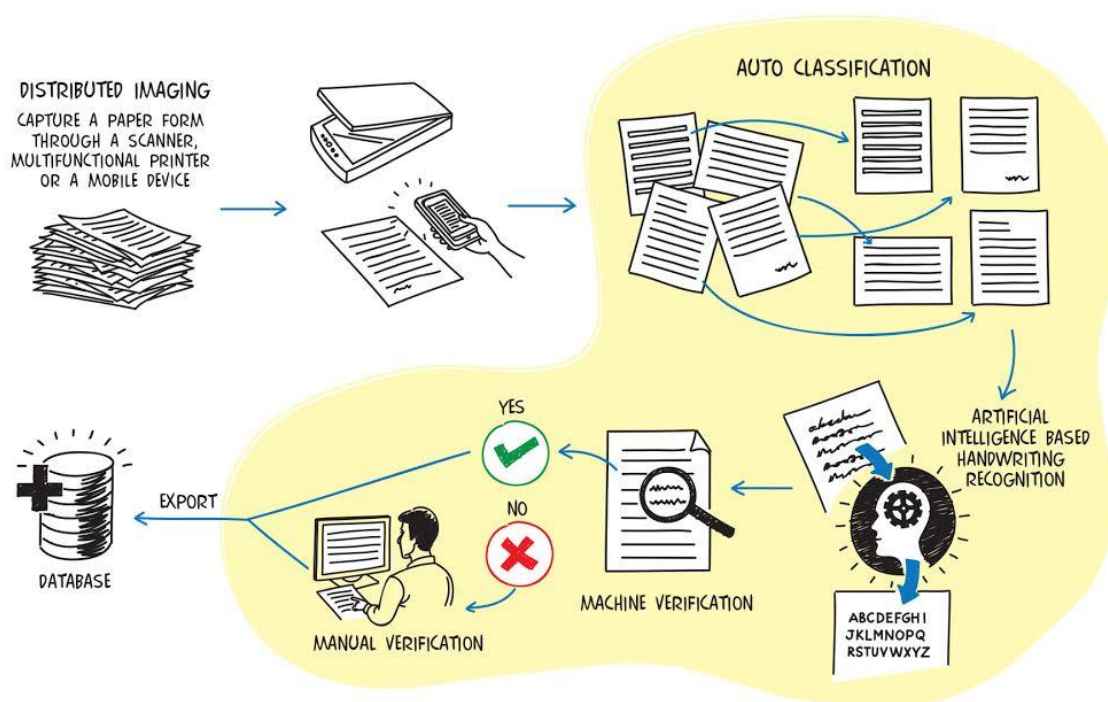# GLYPHX

INTELLIGENT RECOGNITION SYSTEMS

Software to read handwritten data with 99% + accuracy through a combination of Artificial and Human Intelligence.

Automate your Data Entry | Improve your Accuracy | Accelerate your Workflow

mquotient

MQUOTIENT SOLUTIONS
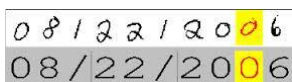
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A. CORE MODULES

(i)   Data Processing

Capture & Output

Automate the capture processes regardless of the location or type of document. You can classify documents by content & layout, delivering them to their respective processes and workflows with little or no manual intervention. The capture process is adaptable to any existing workflows by working as an invisible layer around it

Handwriting Recognition

By reading all types of writing, including handwritten freeform text, GlyphX automatically extracts data from Documents like Forms, Cheque, Invoices

Unlike traditional Character Recognition Engines (OCR/ICR), the software recognizes entire handwritten words or phrases instead of character-by-character recognition thereby significantly reducing errors encountered in typical OCR/ICR. From straightforward (machine printed) to complicated (freeform cursive handwriting, alphabetic, machine printed, dates, check marks, numbers, etc.), all text can be read and integrated into your workflow.

(ii)   Data Validation

Regular Expression Support
Regular Expression defines the possible valid values for fields like dates, postal codes, phone numbers, etc. thereby decreasing errors significantly

Email IDs
Real-time Syntax validation, MX record lookup, SMTP availability minimizes false emails or typo based errors by prompting users to correct invalid email address in-form instantly

Address Correction

Validate, correct and standardize addresses at point of data entry.

Against supporting documents.

Utilize data from supporting documents for processes as Account Openings or Claims as a cross reference point to validate the information.

Against Dictionaries and Libraries

In-built databases are used as a reference point to flag suspect data {*is the locality spelled correctly* in the Address Field?}

Custom validations based on business logics

Flexible design allows custom business logics to be applied for validating fields.

(iii)   Machine Learning & Knowledge Extraction

GlyphX comes with a rich library of databases to kick start recognition. Additional data may be included by uploading data from existing libraries with geographical, cultural or domain specific field data.

The dynamic learning system adds business rules and valid words to the dictionary make the system smarter over time. Regular updates from mquotient provide enhancement to the built-in databases and rules.

(iv)   Archiving & Storage

Images can be retrieved based on the data that they contain. Meta Data helps with easy search and retrieval.

An image may be extracted from the archive in desired DPI/ Resolution, format etc.

B. DEPLOYMENT

On-premise OR hosted SaaS subscription (as a multi-tenant or with a dedicated instance) for faster startup and lower initial costs

C. BENEFITS

- Reduced Manual Keying & Associated Costs
- Increased throughput - Expedited Response (service) Times
- Ability to manage complex data irrespective of Geography or Industry
- High Accuracy Irrespective of Volume of Documents or User fatigue
- Straightforward "Pay as your use" model for immediate ROI
- Machine learning algorithms make the system more effective as with increase in total volume & variety of data processed.
- Reduced training cost and impact of attrition since, training (particularly geographical, cultural or domain specific training) is achieved through the software substituting costly personnel training

USE CASES

Banking, & Financial Services	Insurance	Cross Industry Solutions
New Account Opening	New Account Opening	Invoice Processing
Cheque Reader	Claim Submissions	Proof of Delivery
Supporting Documents Processing		