

Capture. Verify. Store. Synchronize.

Transform manual data collection into an automated, accurate, and efficient workflow with AGen's intelligent OCR technology.

What is AGen?

AGen is a mobile application that uses advanced **Optical Character Recognition (OCR)** technology to automatically capture and read text, serial numbers, product labels, equipment IDs, and other printed characters directly from physical objects using a mobile device camera.

The system continuously scans and extracts OCR data in real time, stores the information in a local mobile database, and synchronizes the data to a backend server for further processing and reporting.

Key Benefits

- ✓ Eliminate Manual Data Entry
- ✓ Reduce Human Errors
- ✓ Increase Productivity
- ✓ Support Offline Operation
- ✓ Prevent Duplicate Records
- ✓ Enable Real-Time Data Collection
- ✓ Improve Traceability and Visibility
- ✓ Fast and Easy Deployment



How AGen Works

1. Capture

Use a mobile device camera to scan OCR text from labels, serial numbers, machine nameplates, cartons, products, and assets.

2. Read

AGen automatically recognizes and extracts characters using OCR technology.

3. Verify

AGen system can check the captured information against the local database to identify duplicate records.

4. Store

Valid records are stored securely within the mobile database, allowing operation even without internet connectivity.

5. Synchronize

Collected data is automatically transmitted to the central server when network connectivity becomes available.

6. Process

Server-side applications perform reporting, analytics, integration, and business process execution.

Continuous OCR Reading

Unlike traditional OCR applications that require manual capture for every record, AGen supports:

Continuous Scanning Mode

- Reads multiple OCR labels continuously.
- Processes records automatically.
- Enables high-speed data collection.
- Ideal for production lines and warehouse operations.



Smart Duplicate Prevention

AGen automatically detects previously captured OCR values and prevents duplicate records from being stored.

Benefits include:

- Improved data accuracy
- Elimination of repeated entries
- Faster scanning process
- Reliable audit trail

Main Features

Intelligent OCR Recognition

Extracts text and serial numbers directly from images captured by mobile devices.

Offline Data Collection

Stores data locally when no network is available.

Automatic Duplicate Detection

Prevents repeated scanning of the same OCR code.

Continuous Scan Capability

Supports high-volume scanning operations.

Mobile Database Storage

Ensures secure temporary storage before synchronization.

Real-Time Data Synchronization

Automatically uploads validated records to the server.

Dashboard & Reporting Ready

Supports integration with enterprise systems and reporting platforms.

Applications

Manufacturing

- Product Tracking
- Work Order Verification
- Production Monitoring
- Serial Number Capture

Warehouse & Logistics

- Inventory Management
- Asset Tracking
- Goods Receiving
- Shipment Verification

Maintenance Operations

- Equipment Identification
- Preventive Maintenance Records
- Spare Part Tracking

Quality Assurance

- Inspection Records
- Traceability Management
- Compliance Documentation





Why Choose AGen?

Faster Operations

Reduce data capture time significantly compared to manual entry.

Higher Accuracy

Minimize transcription errors through automated OCR recognition.

Reliable Data Collection

Continue operations even without network connectivity.

Seamless Integration

Connect easily with ERP, MES, WMS, CMMS, and other enterprise systems.

Scalable Solution

Suitable for small operations through large-scale industrial deployments.

Intelligent OCR. Accurate Data. Seamless Integration.

Capture OCR Data Anywhere, Anytime.

-  Mobile-Based OCR Data Collection
-  Continuous Scanning
-  Duplicate Prevention
-  Offline Storage
-  Server Synchronization
-  Analytics & Reporting Ready

AGen – Turning OCR Data into Actionable Information.

