



# Accelerate Invoice Processing with Soroco's QR Code Extraction Engine

Recent Government regulations have mandated that every e-invoice an organization receives must contain a unique digitally-signed QR code that the organization must validate. At high volumes of inward e-invoices, manual extraction and validation of QR codes is time-intensive and error-prone. This can affect downstream GST return filing leading to revenue leakage.

To solve this problem, Soroco offers an automated solution that can out-of-the-box handle most of your vendor invoices with high accuracy, resulting in significant time and effort savings.

## Soroco's QR Code Extraction Engine

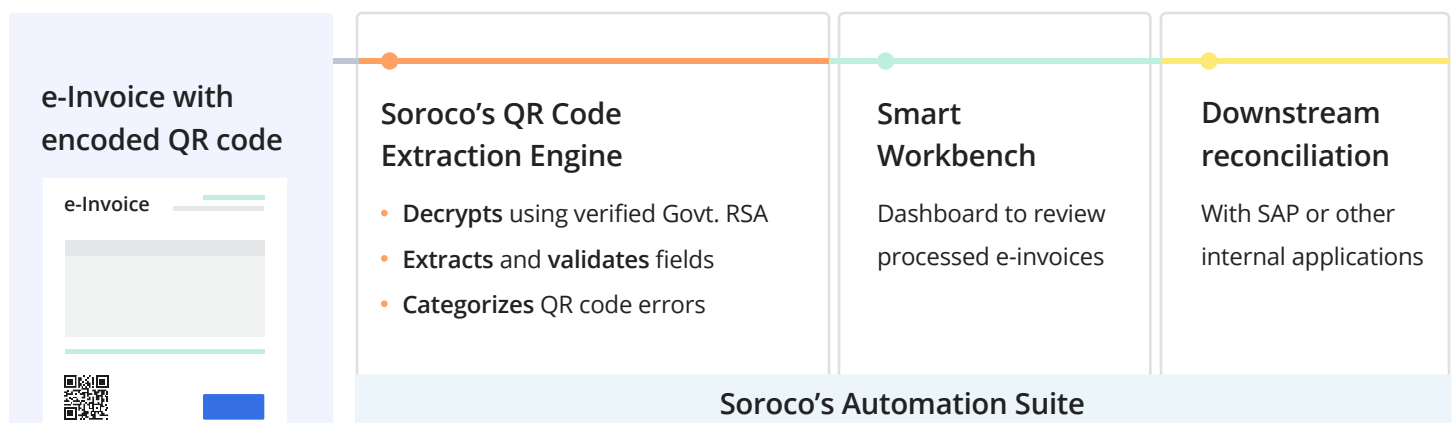
Soroco's solution, built using the Soroco Automation Suite, automates the identification, extraction, and validation of QR codes on e-invoices. The extraction engine is pre-trained on one of the largest datasets of invoices in India. It can easily handle complexities in the processes while also offering flexibility in hosting, whether on cloud or on-premise.

Pre-trained to handle most invoices you receive

Easily integrates with existing environments

Less than 4 weeks activation time for faster value realization

## How it works



## Benefits



Straight-through processing of invoices



Eliminates scope for manual errors



Reduces vendor payment settlement time

# Customer spotlight | Soroco's solution in action

## A Fortune 50 e-commerce company

### Customer Overview

A Fortune 50 e-commerce company operating at scale in India receives millions of vendor invoices with GST filings and encrypted QR codes. The company wanted to reduce manual effort in matching QR code details with internal systems and minimize human errors in the process. They also wanted a quick way of notifying vendors of QR code issues to ensure payments were released fast.

### Challenges

- Manual extraction using handheld devices or free applications had accuracy issues
- Vendor experience was adversely impacted due to delay in payments whenever QR codes were incorrectly processed
- Delays in monthly/quarterly GST returns led to revenue leakage

### Solution

The company solved this problem using Soroco's Automation Suite which could be easily integrated with their existing environment. The QR code extraction engine uses Computer Vision (CV) to apply 5 different proprietary techniques of pre-processing the received invoice documents and enhances document quality. Once optimized, the deep learning-based training models accurately detect QR codes from the invoices. The system then extracts details such as GSTN No., data, amount, etc. using the Government RSA key and verifies extracted information against details in the invoice.

Since accuracy is tightly coupled to QR code quality, the system also re-analyzes failed invoices using AI and categorizes why they failed so that vendors can fix future QR code quality.

### Result

Apart from being compliant with the Government's e-Invoicing requirements, the company has also unlocked time and cost efficiencies by implementing the solution.

**75%**

Reduction in manual effort in the process

**5x**

Increase in invoices processed

**90%**

Accuracy in QR code extraction

**\$2mn**

worth of GST tax claims realized within same quarter as payment released

**Need a fast, proven, and automated solution for the e-Invoicing mandate?**

**Contact us**

to get started!