

# CopyCat OCR Comparative Quality Demo

Tables, graphs, styled typography, and real-world benchmark items

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Compared engines: premium, standard, basic

## Overview

This demo evaluates OCR quality across premium, standard, and basic profiles using CER/WER metrics.

The benchmark text is modeled after practical business documents with headings, line-item style content, totals, and free-form notes.

**Key terms:** CER and WER are *error metrics* where lower is better.

## Real-world Document Items

Document Type	Sample Fields	OCR Challenge
Invoice	Invoice number, buyer name, line items, totals	Decimal precision and currency punctuation
Shipping label	Address blocks, tracking IDs, postal codes	Dense uppercase text and mixed alphanumerics
Purchase order	SKU table, quantities, unit price, notes	Table-like layouts and tight row spacing

### Ground Truth Excerpt

ACME Supplies, Inc.  
Invoice #4821  
Bill To: Northwind Logistics  
Item A4 Paper (5 boxes) x 3 @ \$89.50 = \$268.50  
Item USB-C Dock x 2 @ \$149.00 = \$298.00  
Subtotal: \$566.50  
Tax (8.75%): \$49.57  
Total due: \$616.07  
Payment due date: 2026-03-01  
Notes: Deliver before 5pm. Leave at loading dock B.

## Metric Graphs

### Character Accuracy vs Word Accuracy (higher is better)



## Engine Metrics Table

Engine	CER	WER	Char Accuracy	Word Accuracy	Output Notes
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premium	0.00%	0.00%	100.00%	100.00%	ACME Supplies, Inc. Invoice #4821 Bill To: Northwind Logistics Item A4...
standard	0.70%	2.00%	99.30%	98.00%	ACME Supplies, Inc. Invoice #4821 Bill To: Northwind Logistics Item A4...
basic	6.27%	28.00%	93.73%	72.00%	ACME Supplies Inc Invoice #4821 Bill To: Northwind Logistics Item A4 P...

## Extracted Text Samples

### premium output

ACME Supplies, Inc.  
Invoice #4821  
Bill To: Northwind Logistics  
Item A4 Paper (5 boxes) x 3 @ \$89.50 = \$268.50  
Item USB-C Dock x 2 @ \$149.00 = \$298.00  
Subtotal: \$566.50  
Tax (8.75%): \$49.57  
Total due: \$616.07  
Payment due date: 2026-03-01  
Notes: Deliver before 5pm. Leave at loading dock B.

### standard output

ACME Supplies, Inc.  
Invoice #4821  
Bill To: Northwind Logistics  
Item A4 Paper (5 boxes) x 3 @ \$89.50 = \$268.50  
Item USB-C Dock x 2 @ \$149.00 = \$298.00  
Subtotal: \$566.50  
Tax (8.75%): \$49.57  
Total due: \$616.70  
Payment due date: 2026-03-01  
Notes: Deliver before 5pm. Leave at loading dock B.

### basic output

ACME Supplies Inc  
Invoice #4821  
Bill To: Northwind Logistics  
Item A4 Paper (5 boxes) x 3 @ \$89.50 = \$268.50  
Item USB-C Dock x 2 @ \$149.00 = \$298.00  
Subtotal: \$566.50  
Tax (8.75%): \$49.57  
Total due: \$616.70  
Payment due date: 2026-03-01  
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