Pick Accuracy Tracker

How-to guide: what the workbook does, how to use it and what every number means. mfgcalcs.com

Pick Accuracy Tracker

Track weekly pick audits by zone: accuracy against target, errors by cause and errors per 1,000 picks, for the warehouse and every zone.

For: Warehouse and distribution managers, inventory control and quality leads, and fulfilment supervisors running pick audits.

Version 1.0.0 · updated 12 November 2026

Quick start

1. On Setup, type your site, the accuracy target and near band, and list your zones.
2. On Audits, give each zone a row each week: picks audited and the errors found by cause.
3. Fix anything the Check column names.
4. Open the Dashboard: errors per 1,000 picks by week, and errors by cause in each zone.

What is in the workbook

Start Here	Read this first: what the workbook does and how to use it.
Setup	Site, the accuracy target and near band, and the zones.
Audits	One row per zone per week: picks audited and errors by cause in; accuracy, gap and errors per 1,000 out.
Dashboard	Pick accuracy against target for the site week by week and for every zone, and what the errors are.
Method	How every number is calculated, with assumptions, limits and sources.
Verify	Self-check: the workbook's formulas recomputed on fixed inputs against an independent reference.

What each number means

Quantity	How it is calculated	Units
Errors and picks without error	Wrong item + wrong quantity + missed + damaged; picks audited - errors.	picks
Accuracy	Picks without error / picks audited.	%
Gap to target	Target - accuracy, in percentage points.	points
Errors per 1,000	Errors / picks audited x 1,000.	per 1,000
Status	On target at or above the target; Near target within the near band; Below target further under.	-
Zone and week totals	Sums of picks audited and errors, then the same ratios.	%

Quantity	How it is calculated	Units

Assumptions, limitations, sources and the self-check (the Verify sheet, which recomputes the workbook's formulas on fixed test inputs) are in the workbook. The last page shows the Dashboard with the example data for Northgate Fulfilment, a fictional business.

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Engineering estimates for planning and improvement work. Verify the results against your own process, data and standards before you rely on them.

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Pick accuracy against target for the site week by week and for every zone, and what the errors are.

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Northgate Fulfilment (example): 5 zones, 16,400 picks audited. Target 99.5%.

PICKS AUDITED	ERRORS	PICK ACCURACY	ZONES BELOW TARGET
16,400	**75**	**99.54%**	**1**
All zones, all weeks	All causes	Target 99.50%	Over the whole log
		On target	

Errors per 1,000 picks by week



Errors by cause in each zone

