Food / OQ-10

Raw material intake: scales, quality and cameras

Wheat, milk, fruit and vegetables, meat — every kilogram recorded at intake goes into the cost of goods.

A discrepancy at intake is a hole in your cost price.

In a food plant, raw materials are the largest share of cost. If weight, moisture, fat content or grade is recorded by hand at intake, the discrepancy cannot be traced anywhere later. In plants worldwide, scales, the laboratory and cameras are linked to a single intake record.

Conceptual architecture. No operating results are shown.

01 Entry	Vehicle · Camera · Supplier
02 Weighing	Gross · Net · Tare
03 Quality	Sample · Result · Grade
04 Accounting	1C receipt · Payment · Report

At a glance

137.7 trn — Food production by large enterprises, January–July 2026, UZS. [1]

210.7 thousand t — Flour production, January–February 2026. [2]

13.2 thousand — Food manufacturing enterprises. [3]

November 2026

01 Evidence and context

Who it is for

Plant owner	Cost price.
Intake	Weight and quality.
Laboratory	Quality parameters.
Accounting	Payment.

Facts and global practice

National Statistics Committee

January–July 2026: UZS 137.7 trillion of food products, +8.8%. [1]

National Statistics Committee

January–February 2026: 210.7 thousand t of flour, +56.2%. [2]

National Statistics Committee

13.2 thousand food manufacturing enterprises. [3]

This indicator was not found in open sources for enterprises in Uzbekistan — it is measured during the audit. We have worked with a scales + camera + 1C solution in building materials.

02 Where the losses occur

Manual weight entry

Scale readings are written in a logbook.

Quality

Moisture/fat content results are not linked to the intake record.

Vehicle

No vehicle plate number or photo.

Payment

Payment is made from the logbook, not from the intake record.

How the loss is calculated

Weight discrepancy	kg difference × price per kg
Quality discrepancy	kg received × price difference between grades (per kg)
Double payments	number of cases × amount per case
Disputes	hours spent with suppliers

Illustrative calculations; establish the baseline, units and rates during the site assessment. Avoid counting the same loss twice.

03 Solution architecture

Scales, laboratory and cameras — one record

Scales and cameras record automatically, laboratory results are linked to the intake record, and the 1C receipt and payment are generated from that record.

01 Entry

Vehicle · Camera · Supplier

02 Weighing

Gross · Net · Tare

03 Quality

Sample · Result · Grade

04 Accounting

1C receipt · Payment · Report

Modules

Scales + cameras	Automatic recording	Commercially available
Laboratory results	Linked to intake	Engineering capability
1C integration	Receipts and payments	Commercially available
Supplier rating	History	Engineering capability

Each module has a readiness status. Third-party results are not a forecast for your site.

04 Implementation and measurement

01 Intake audit

Process.

Output: discrepancies.

02 Pilot

One scale.

Output: automatic recording.

03 Scale-up

All intake points.

Output: full coverage.

04 Subscription

Monthly.

Output: discrepancy trends.

What is measured

Weight discrepancy	kg	Scales
Quality discrepancy	%	Laboratory
Intake time	Minutes	System
Disputes	Count	System

What is needed to start

- Plant owner
- Scales
- Laboratory process
- 1C test access

05 Readiness checklist and next step

01 Are scale readings recorded automatically?	Yes / No / Unknown
02 Are vehicle photos stored?	Yes / No / Unknown
03 Are quality results linked to the intake record?	Yes / No / Unknown
04 Is payment made from the intake record?	Yes / No / Unknown
05 Is supplier history visible?	Yes / No / Unknown
06 Is tare weighed separately?	Yes / No / Unknown
07 Is the 1C receipt created automatically?	Yes / No / Unknown
08 Is there evidence available for disputes?	Yes / No / Unknown
09 Is intake time measured?	Yes / No / Unknown
10 Is a responsible person assigned?	Yes / No / Unknown

What we do not promise

- Exact timeline and price without an audit
- Certificate or inspection result
- Guaranteed export approval
- Unmeasured results

Raw material intake audit

We review the intake process and show where discrepancies arise.

- Map of break points
- Pilot plan
- Implementation fee and monthly subscription

Scope, price and schedule are agreed after reviewing the site and its data.

06 Sources and scope

[1] National Statistics Committee: in January–July 2026, large enterprises produced UZS 137.7 trillion of food products (+8.8%). stat.uz, 2026.
stat.uz
[2] National Statistics Committee: January–February 2026, 210.7 thousand t of flour (+56.2%). stat.uz, 22.04.2026.
stat.uz
[3] National Statistics Committee: as of 01.09.2026, 13.2 thousand food manufacturing enterprises (20.2% of industrial enterprises). stat.uz.
stat.uz

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