Water and beverages / WB-05

Total cost of ownership of a marking system

See equipment, codes, consumables and service in a single account and avoid lock-in to one supplier.

The equipment price is only part of the cost.

Manufacturers report spending hundreds of thousands of dollars on marking equipment, followed by monthly service fees and a separate cost for every unit.

Conceptual architecture. No operating results are shown.

01 Audit	Equipment list · Contracts · Per-unit cost
02 Integration	Asl Belgisi · 1C · Open formats
03 Service	Local engineer · Setup manual · Spare parts
04 Control	Monthly cost · Unit cost · Downtime

At a glance

$300k+ — Spend on marking equipment, according to one manufacturer. Another reports more than half a million dollars. [1]

~$3,000 — Integrator service per month, regardless of volume, according to one manufacturer. [1]

2–4% — Cost increase due to marking, according to the same manufacturer. [1]

November 2026

01 Evidence and context

Who it is for

Plant owner	Total cost and return on investment.
Finance director	Cost per unit and monthly payments.
IT manager	Integration and supplier dependence.
Chief mechanical engineer	Service, spare parts and setup.

Facts and global practice

Juice and beverage manufacturer

More than $300,000 spent on marking equipment. [1]

Carbonated soft drinks and water manufacturer

More than half a million dollars spent on equipment alone. [1]

Juice and beverage manufacturer

Integrator service costs about $3,000 per month, regardless of volume. [1]

Same manufacturer

For a 200 ml pack: code UZS 68; sticker, ink and electricity UZS 15. [1]

Same manufacturer

Costs increased by 2–4% due to marking. [1]

Representative of a large manufacturer

Setup and commissioning mainly require foreign specialists, mostly from Russia; equipment is mainly sourced from Russia and China. [2]

UzBev association

The association has asked to pay for codes actually applied rather than in advance. [2]

Cost structure varies from plant to plant. These figures only show which cost items should be accounted for.

02 Where the losses occur

Service tied to a single supplier

If setup and repair are available only through the integrator, price and response time are outside the plant's control.

Per-unit cost is not visible

Codes, labels, ink and electricity are not counted as separate items in production cost.

Closed software

If data and settings remain in the supplier's software, replacing or expanding equipment becomes more expensive.

Downtime cost is not counted

Time spent waiting for a specialist and the resulting downtime are not added to cost.

How the loss is calculated

Total cost of ownership, per year	equipment depreciation per year + codes per year + consumables per year + service per year + downtime cost per year
Per unit	(code cost per unit + consumables cost per unit) × units per year
Service	monthly fee × 12 + call-out costs per year
Downtime	hours per year spent waiting for a specialist × line cost per hour

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

03 Solution architecture

Seeing and managing cost

First, total cost of ownership is calculated in full. Then supplier dependence is reduced through local service and open integration.

01 Audit

Equipment list · Contracts · Per-unit cost

02 Integration

Asl Belgisi · 1C · Open formats

03 Service

Local engineer · Setup manual · Spare parts

04 Control

Monthly cost · Unit cost · Downtime

Modules

Total cost of ownership audit	Accounting for equipment, codes, consumables, service and downtime	Commercially available
Local service and setup	Inspection, reconfiguration and documentation of existing equipment	Commercially available
Asl Belgisi and 1C integration	Supplier-independent data flow	Commercially available
Equipment-independent camera inspection	Works with different printers and lines	Engineering capability

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

04 Implementation and measurement

01 Cost audit

Contracts, invoices and line data are collected.

Output: total cost of ownership by item.

02 Dependence assessment

Identify which work can only be done through the supplier.

Output: risk register.

03 Local service

Setup is documented and staff are trained.

Output: shorter response time.

04 Control

Monthly cost and unit cost are tracked.

Output: monthly report.

What is measured

Marking cost per unit	Codes and consumables / units produced	1C, warehouse
Monthly service cost	Payments and call-outs	Accounting
Service response time	Hours from call to recovery	Service log
Downtime waiting for a specialist	Minutes, per month	Operator panel

What is needed to start

- Equipment and service contracts
- Invoices for codes and consumables
- List of lines
- Person responsible for IT and mechanics

05 Readiness checklist and next step

01 Has the total annual cost of marking been calculated?	Yes / No / Unknown
02 Is the per-unit marking cost shown separately in production cost?	Yes / No / Unknown
03 Are the service contract terms and response time known?	Yes / No / Unknown
04 Can plant staff perform setup themselves?	Yes / No / Unknown
05 Are settings and passwords kept at the plant?	Yes / No / Unknown
06 Can data be exported from the supplier's software?	Yes / No / Unknown
07 Is downtime spent waiting for a specialist recorded?	Yes / No / Unknown
08 Are spare parts available on the local market?	Yes / No / Unknown
09 Is the cost of expanding to another line known?	Yes / No / Unknown
10 Is there a person responsible for cost?	Yes / No / Unknown

What we do not promise

- Exact timeline and price without an audit
- Government decisions and deadlines
- Changes to line software without the equipment supplier's permission
- Unmeasured results or savings
- Legal services for terminating existing contracts

Total cost of ownership audit

We calculate the cost of your marking system by item and show where it can be reduced.

- Cost by item
- Supplier dependence risks
- Action plan

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

06 Sources and scope

[1] Statements by manufacturers and UzBev. gazeta.uz, 15.04.2026.

gazeta.uz

[2] Statements by manufacturers and UzBev. gazeta.uz, 30.03.2026.

gazeta.uz

Prepared from the cited sources. Vendor statements and reported sector figures are attributed, not independently verified here. No performance, certification or regulatory outcome is guaranteed. Check the current official rules before making decisions.

The Endurance Industrial Technologies LLC · MT-WB-05-EN · 11.2026