

KARL MAYER Dashboard – User Guide

Note: This user guide is only available in English.

1. What is the Dashboard?

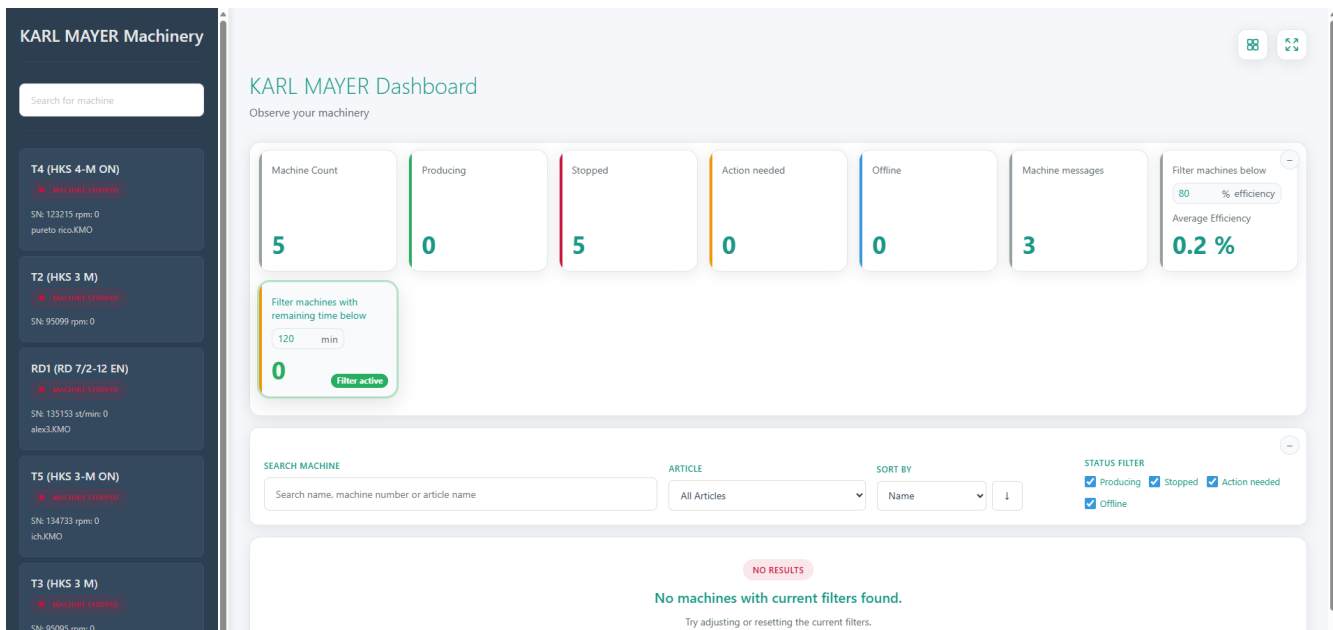
The KARL MAYER Dashboard gives you a centralized overview of all your machines in real time. You can monitor production status, track efficiency, and view error messages – all in one place. The dashboard is designed for daily use by machine operators and production supervisors alike.

To ensure that your machines are listed in the dashboard, they must be connected to the Key device network.

2. Page Layout

The dashboard is divided into the following areas:

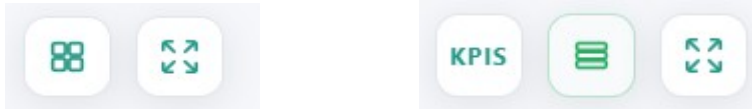
- **Left sidebar** – Persistent list of all machines (depending on screensize)
- **Top area** – Key figures and quick filters
- **Main area** – Machine cards and search/sort options
- **Detail view** – Opens when you click on a machine
- **Top Right** – Focus mode and machine card layout (standard or compact)



3. Focus mode & Card layout

The dashboard offers some customization of displayed information. These are triggered by buttons in the top right corner.

Depending on current settings, the buttons look like this:



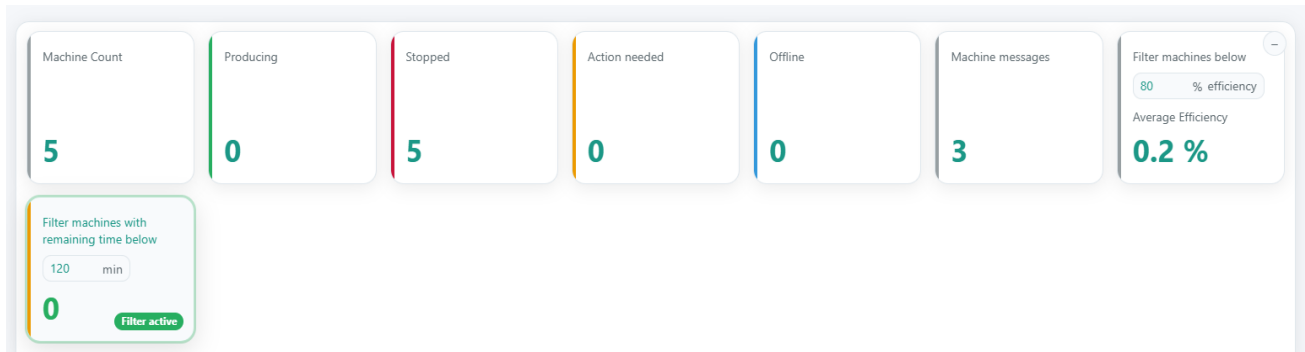
- **Focus mode button (Right):** Click this to make the machine cards fill your whole window. This removes all distractions – filter, sidebar, status bar.
- **Card Layout Button (Center):** Use this to change how the machine cards are composed. It lets you switch between a detailed view or a simpler *compact* view.
- **KPI Button (Custom KPIs):** Click this to choose which information shows up on your *compact* machine cards. You can pick the two values that are most important to you. Standard cards cannot be changed. This button is only visible while compact cards are active.

Settings will be stored and persisted per user.

4. Key Figures & Quick Filters

At the top of the page, six tiles give you an instant snapshot of your production floor:

Tile	What it shows
Machine Count	Total number of connected machines
Producing	Machines currently in active production
Stopped	Machines that are not running
Action needed	Machines requiring immediate attention
Offline	Machines with no active network connection
Machine messages	Number of currently active messages across all machines/Details about Messages + Filters for Message type



How filters work: Clicking a tile filters the machine list to show only machines matching that status. Click again to deactivate.

Additional filters:

- **Efficiency filter** – Shows only machines running below a defined efficiency threshold
- **Remaining time filter** – Shows machines which will require attention during the next N minutes.

Tip: The filters are always collapsible by clicking the minus button on the top right of the panel.

5. Searching and Sorting

Below the tiles, you have several options to narrow down the machine list:

- **Search field** – Search by machine name, machine number, or article name
- **Article filter** – Filter by a specific article currently assigned to machines
- **Sort** – Sort the list alphabetically by machine name or by other criteria
- **Status filter** – Multi-select filter to show combinations of statuses (e.g. Stopped + Action needed at the same time)

The search and filter interface includes a search field labeled 'SEARCH MACHINE' with the placeholder text 'Search name, machine number or article name'. To its right are two dropdown menus: 'ARTICLE' (set to 'All Articles') and 'SORT BY' (set to 'Name'). Further right is a 'STATUS FILTER' section with checkboxes for 'Producing', 'Stopped', 'Action needed', and 'Offline', all of which are checked. A minus button is located in the top right corner of the panel.

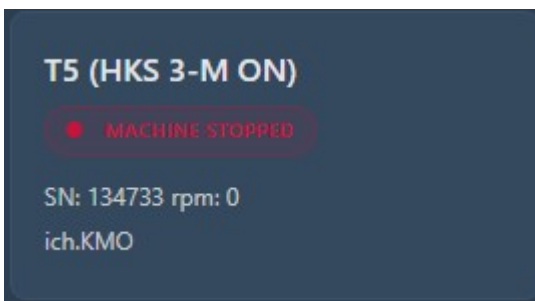
5.1 Status Filter Explanation

- **Producing** – Machine is currently producing (RPM > 0)
- **Stopped** – Machine is currently stopped (RPM = 0)
- **Action needed** – Triggered when a timer of “Beam runs out”, “Piece end” & “Job end” falls below the 10-minute mark. Overrides other stati.
- **Offline** – Triggered if no data is sent to or received from the machine for 2 minutes

Tip: The searchbar is always collapsible by clicking the minus button on the top right of the panel.

6. Machine List (Left Sidebar)

The sidebar on the left shows all machines at all times, regardless of any filters applied in the main view. It offers a simple search bar for machine name and machine serial number.



For each machine you can see:

- Machine name and type (given from setup of machine)
- KM serial number (SN)
- Current status
- Current speed in RPM
- Assigned article

Click any machine in the sidebar to jump directly to its detail view.

7. Machine Cards (Main Area)

The filtered machines are displayed as cards in the main content area. Each card provides a compact summary:

- **Status** – Producing, Stopped, or Action needed, Offline
- **Article** – Name of pattern (.kmo) file
- **Output** – Current production output
- **Remaining time** – Estimated time until the job is complete
- **Efficiency** – How efficiently the machine is running
- **Idle time** – Time the machine has been powered on but inactive
- **Messages** – The most important machine message is shown directly on the card

Note: Kamcos 1 machines display less details than other Kamcos machines. Very old machines may not have a detailed view (contact KM to check for software update possibilities)

Efficiency calculation:

Efficiency = production_time / total_time.

Total_time = standby_time + setup_time + production_time

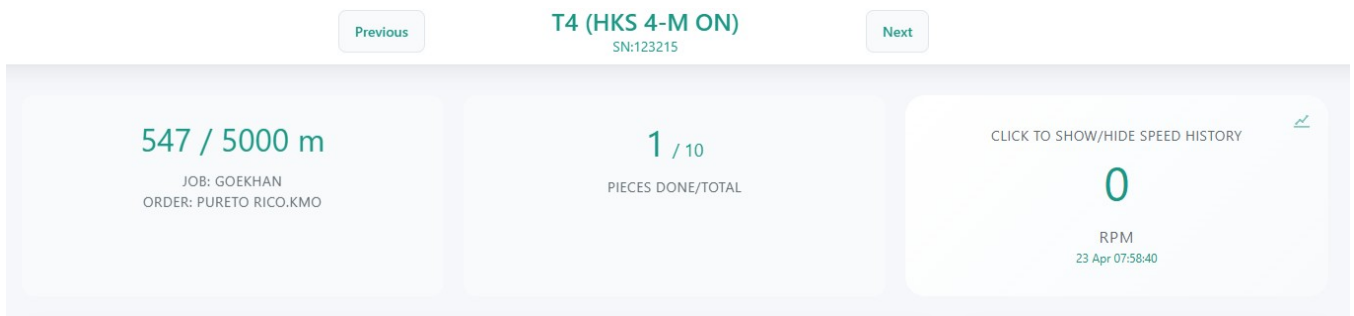
This formula does not integrate output or quality in any way or form.

8. Machine Detail View

Clicking on a machine card opens the full detail view for that machine. The available data varies depending on machine type and settings on the machine. In general, Kamcos1 machines show less data.

For example: If the machine does not use a Job, no data relating to jobs will be displayed.

8.1 Header



- Production progress (e.g. 547 / 5000 m produced) - shows Job if used and piece if not.
- Pieces completed vs. total pieces
- Current RPM – clicking on this will open graphs
- A machine switcher at the top lets you jump between machines without going back to the overview (swiping left/right on phones)

8.2 Production Data

Field	Description
Current piece	Completed % of the piece currently being produced
Current piece produced	The amount that has been produced of the current piece in machine units.
Output	Production rate in the unit used on the machine
Take-up	Take-up value
Piece/job running time	How long the current piece or job has been running
Remaining time	Estimated time until completion
Number of stops	How many times the machine has stopped during this piece
Pieces done	Number of completed pieces from this job



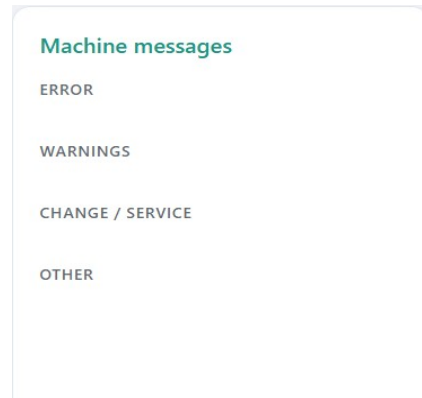
8.3 Machine Messages

All active messages for the machine are listed here, grouped into four categories:

- **Errors** – Critical issues (e.g. Emergency Stop activated)
- **Warnings** – non-critical issues that may affect production
- **Change / Service** – Maintenance or change notifications
- **Other** – General informational messages

Each message shows the error or message code, a description, the exact timestamp when it occurred.

Messages are shown in the language set on the machine itself.



8.4 Beam Status

This section provides an overview of the warp beams / FTL / feeding device / TakeUp / Batching currently in use:

- Yarn run-in / TakeUp / Batching
- Remaining time per beam
- Units are as on the machine
- For multispeed, only one average is displayed

9. Shift View

The lower section of the detail view shows production data broken down by shift. Shifts need to be configured on the machines. See Kamcos manual. Available metrics include:

- Work time, setup time, and standby time
- Efficiency per shift
- Fabric produced per shift
- Number of stops per shift



Use the **Toggle shift** button to switch between a combined view (all shifts together) and separate views for Shift 1 – 4 and a Summary.

-1% means the value cannot yet be calculated.

10. Speed History & Charts

Click "**Show/hide speed history**" to expand the chart section. This functionality is in the RPM display at the top right. Two charts are available:

- **RPM over time** – Shows how machine speed has changed
- **Produced fabric over time** – Shows cumulative output

You can select a time range (e.g. last 24 hours) to focus on a specific period. Data is available for the last 5 days. No data periods (e.g. the machine is powered off) are shown with a light grey background.

