Checkbot

Application for **real-time monitoring and analysis of YASKAWA** robot work

Manage production more efficiently. Anytime and anywhere.

WE ARE A PART OF

YASKAWA
ECOSYSTEM

Monitoring of operational efficiency

With Checkbot, you get a **detailed overview of the work and status of your robots. In real time, anytime, anywhere.** With remote supervision, you save time and operating costs, you can solve unexpected situations in production faster. Y**ou will prevent unplanned production downtime and economic losses** by monitoring current operating values and analyzing them.

Tool for predictive maintenance

You can schedule service visits, and the application itself will notify you of the need for maintenance based on the collected data and their analysis. **By detecting possible defects of the robot in advance, you save the costs of emergency repairs.** Thanks to the application, you will get a detailed overview of completed and upcoming service inspections.
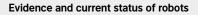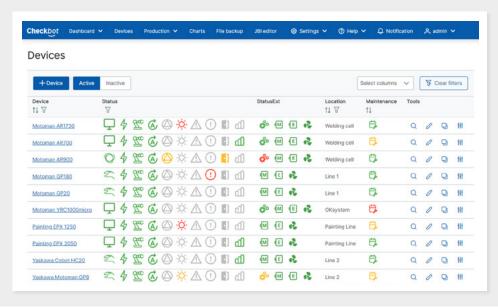
Production under control

A sophisticated and fully **configurable system of notifications and alarms** provides an immediate overview about the state of production. You are **immediately notified by e-mail** when the conditions are met and in case of serious events. The attached video recording of the robot's work just before the occurrence of the event will help you discover its causes. Guide with a recommended procedure is available to eliminate such situations.

Key features

- **Records of controllers and robots** including the location in the production line.

- **Clear dashboard** that can be customized for different groups of users.

- **Energy recuperation** – monitoring of regenerated energy.

- Regular automatic **backup of programs and controller settings during full operation.** Backing up the entire controller with robot **(CMOS.BIN).**

- **Continuous monitoring of electricity consumption** to reduce wastage.

- **Monitoring the robots' work using cameras** connected to the application or via NAS server.

- **An overview of manufactured products,** including the time of their production, will also serve as a **basis for the audit.**

- **History and graphs with a long-term view** of monitored production data. Ability to filter, group, and display by period in different types of graphs.

- **File management –** display list of files by type, display file contents, download files and upload JBI files.
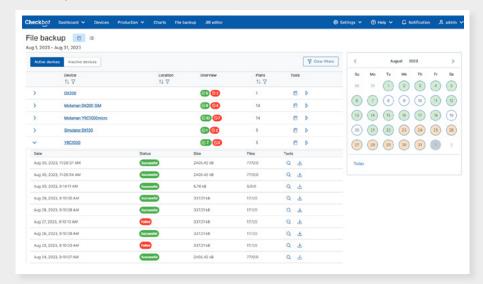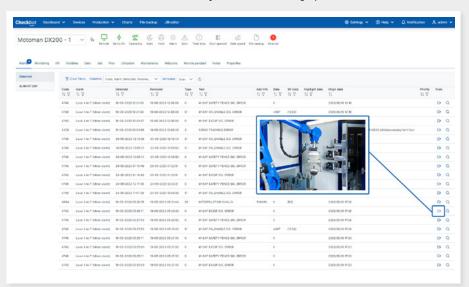
Evidence and current status of robots

- **Remote pendant** – display remote desktop for YRC models.

- **Visualization** of the status of gearboxes, **monitoring of the status** of the encoder and **devices batteries** and the **device fan.**

- **Evaluation of overall OEE** (Overall Equipment Effectiveness) for a quick overview of the actual state of the production line and uncovering hidden robots reserves.
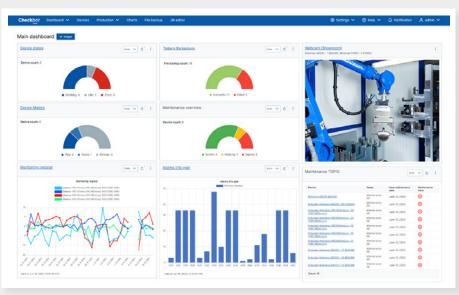
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File backup

Alarms (overview of current alarms, history, camera recording option)

Dashboard

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