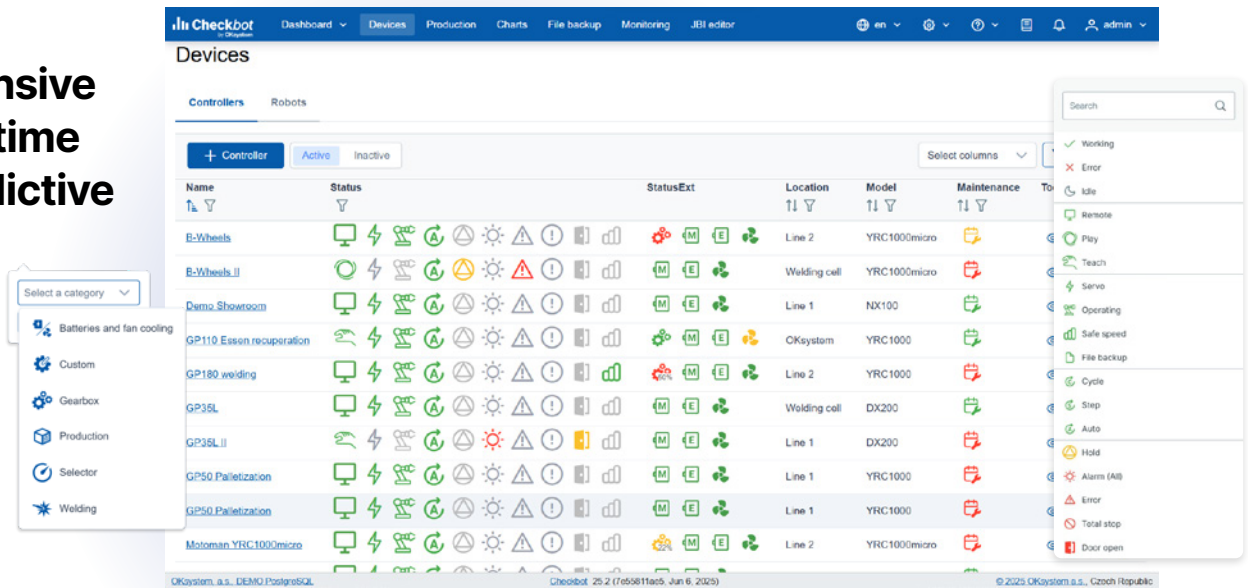




Yaskawa robot monitoring tool



Comprehensive data. Real-time alerts. Predictive insight.



Monitoring of operational efficiency

Checkbot provides a **detailed overview** of the **work and status of all robots** —in real time, anytime, anywhere. Thanks to remote supervision, it is possible to **save time, reduce operating costs**, and respond faster to unexpected production events. Monitoring and analyzing current operating values helps **prevent unplanned downtime** and **avoid economic losses**.

Production under control

A sophisticated and fully **customizable system of notifications and alarms** provides an **immediate overview** of the current production status. Operators are **instantly notified** when **defined conditions** are met or in case of **serious events**. A **camera record of the incident** helps identify the cause, while remedy tips assist in resolving the situation quickly.

Tool for predictive maintenance

Checkbot enables the scheduling of **service intervals** and automatically notifies about required maintenance based on collected data and their analysis. By detecting potential robot defects in advance, it is possible to **avoid emergency repairs** and related costs. The application also provides a **detailed overview of completed and upcoming service inspections**.

Key features

- Real-time records of controllers and robots, including their location in the production line.
- Customizable dashboard tailored to different users/groups.
- Energy recuperation — monitoring of regenerated energy.
- Automatic program and settings backup during full production. Full controller backup (CMOS.BIN).
- Continuous monitoring of electricity consumption to reduce wastage.
- Monitoring of robot activity using cameras connected to the application or via NAS server, along with key operating parameters such as component temperatures (encoder, converter), torque, or welding data.
- Overview of manufactured products, including real-time production data and welding parameters — usable as a basis for audit.
- History and graphs with a long-term view of production data. Filter, group, and display data by selected time periods using various types of graphs.
- File management — view files by type, preview content, download backups, upload JBI files, and easily compare versions to see what changed.
- Remote pendant — enables remote access and control of the robot pendant via the app (YRC models only).
- Visualization of gearbox status, battery levels, and fan condition — including monitoring of component temperatures.
- OEE evaluation (Overall Equipment Effectiveness) — quick insight into line performance and hidden robot capacity.

File backup

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

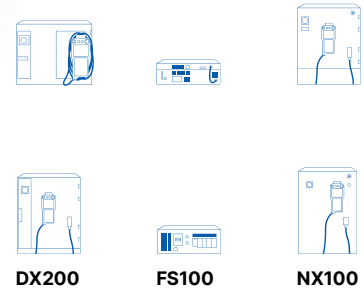
References



Administration

- **Users and user rights** — flexible configuration of roles, access levels, and authorizations for individual users.
- **Interactive user guide** — embedded directly in the app, including manuals for robot errors and step-by-step troubleshooting tips.
- **Language versions** — available in English, German, and Czech.

Supported controllers



Monitored operational data

- Sensors, variables, registers, and signals
- Controller states, running jobs, and active alarms
- Downtime events and their causes
- Welding parameters from connected devices

Checkbot at the Doosan Bobcat factory



Doosan Bobcat is a global manufacturer of compact construction and agricultural equipment, including loaders, mini excavators, and telehandlers.

Watch the video to find out how they use the app in production — and what they consider its biggest benefits.



checkbot.com



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