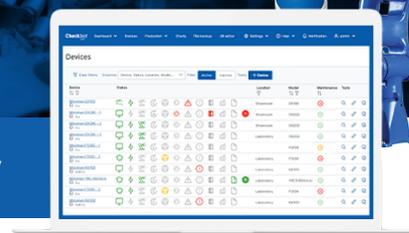


## Application for real-time monitoring and analysis of YASKAWA robot work

Manage production more efficiently



WE ARE A PART OF

**YASKAWA**  
ECOSYSTEM

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

### Why Checkbot?



Proven in real  
production



Deployable almost  
anywhere in the world



Low initial infrastructure  
requirements



Fast  
implementation



Easy adoption  
by key users



Maintenance & support  
provided by  
a well-established company



### Robots under control

Checkbot is a tool for **efficient production monitoring**. It will enable you to **monitor the entire operation online from one place** and, for selected models, remote access to the pendant. It **saves the time of your employees**, especially technicians, service workers, and programmers. It stores the selected data in a database so you can further analyze it. And for an even better overview, you can **watch** the work of the robots **via webcams**.



### Predictive maintenance planning

With Checkbot, you schedule service inspections at pre-set times or based on collected data. You will **detect possible defects of the robot in advance and save the costs of unexpected repairs**. You are continuously and clearly informed about the dates of planned inspections. It is possible to manage all documentation related to maintenance in the application.



## Custom monitoring

Monitoring energy consumption, temperature, torque, and production time. Thanks to Checkbot, you can continuously monitor and save these and other values. You will get a **perfect overview of manufactured products**, which you can also use as a **basis for an audit or further analyses**. You can immediately react to exceeding the defined conditions thanks to an e-mail notification. You can adapt the settings to your own needs at any time.



## Clear history and graphs

The application provides a **complete overview of all recorded values and events**, including monitoring of their occurrence. You can filter, group, and display the collected data according to selected periods in various types of graphs. You will get a **long-term undistorted overview of all monitored indicators**.



## JBI editor for minor edits

A simplified JBI editor allows you to **view and partially edit JBI robot files**. You can scroll through the individual actions by coordinates, edit them, and immediately view the proposed changes to the modified motion in a 3D graphical presentation of the trajectory. You can easily make small adjustments to the robot's movement directly in the application.



## Alarms under control

You are immediately notified by e-mail about all unexpected events. To find out the cause, there is a record of the robot's work from the camera just before the event, for its removal there are instructions with the recommended procedure. Quick reactions to critical situations in production will **save you the cost of downtime of the robot or the entire production line**.



## Effectively = cheaper

The Production Efficiency Monitoring (OEE) module gives you a **quick overview of the actual state of your production line, helps to uncover hidden robot reserves and, as a result, helps increase your operating profit**. In order to obtain key information for decision-making, you adapt the settings of the monitored parameters to your needs.



## Support from A to Z

Our specialists from OKsystem **will help you with deployment, putting into operation, and training** to use the application effectively. After that, our technical support is at your disposal. We continuously monitor the development of technologies and thus guarantee you **trouble-free and safe operation in the long term**.

## References

Mubea

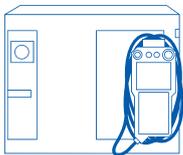
BORGERS

Bobcat

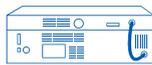
HYUNDAI  
TRANSYS

SPŠE STŘEDNÍ  
PŘÍJÍMSLOVÁ  
ŠKOLA  
JEČNÁ ELEKTROTECHNICKÁ

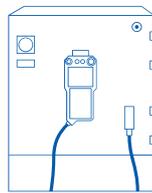
## Supported controllers



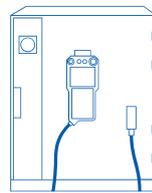
YRC1000



YRC1000micro



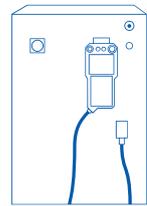
DX100



DX200



FS100



NX100

## Supported databases

MS SQL

PostgreSQL

## Communication protocols

Ethernet

HSE / Eserver

[checkbot.cz/en](http://checkbot.cz/en)



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OKsystem entered in the Commercial Register maintained by the Municipal Court in Prague, Section B, file 20926.

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