

application for real-time monitoring and analysis of robot work

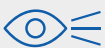
Manage production in your company more efficiently



With Checkbot you get

- An overview of the actual state of the production line based on detailed monitoring of robot work in real-time
- An opportunity to reduce the cost of maintenance, unexpected repairs and downtimes thanks to supervision of service inspections and their planning
- Collection and evaluation of data from multiple robots simultaneously including complete history
- Overview of alarms and their evaluation according to severity with recording from the camera just before the event
- Notification of important events clearly, on time and to the right people

Key properties



Robots under control

Monitoring the status and work of robots takes place in real-time. The program monitors the current values of variables, registers, and signals, and stores them in a database based on the defined schedules, so you can return to them at any time. For an even better overview, you can also monitor the work of robots via webcams.



Custom monitoring

The correct choice of monitored indicators is essential for production management. Several types of plans are prepared in the application, which you can further customize to your needs. The values can be read and backed up both in a predetermined time period and when a certain condition is met, about which the operator can be immediately automatically informed by email and react flexibly to them. Backup files from the controller can be restored if necessary and uploaded back to the controller.



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.



Alarms under control

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



Predictive maintenance planning

Planning and supervising service inspections at pre-set times or based on collected data allows you to reduce unexpected production outages caused by sudden and critical events. Monitoring the data according to the specified parameters will help to detect possible defects of the robot in advance and thus reduce the cost of unexpected repairs. You are continuously and clearly informed about the dates of planned inspections, and it is possible to manage all documentation related to maintenance in the application.



Efficiently = cheaper

The Production Efficiency Monitoring module (OEE) gives you a quick overview of the actual state of your production line, helps you to uncover hidden robot reserves and, as a result, helps increase your operating profit. The settings of the monitored parameters will be adapted to your requirements and you will get key information tailored to your decision-making.



JBI editor for minor edits

A simplified JBI editor allows you to view and partially edit JBI robot files. You can browse the individual actions by coordinates, edit them, and immediately view the suggested changes to the modified motion in a 3D graphical presentation of the trajectory. Minor modifications to the robot's movement can be easily made directly in the application.



Support from A to Z

Our specialists will help you with the deployment and commissioning of the system and training in its effective use, then technical support is available. We monitor the development of technologies both on the robotic equipment side and the IT part of the solution. Therefore, you are always sure of compatibility with current versions of the operating system, browser, etc., as well as continuous updates of supported series of robots, controllers and their software (firmware, communication protocols, etc.). All this guarantees long-term, trouble-free and safe operation of the solution.

References

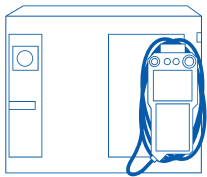
YASKAWA

BORGERS

**HYUNDAI
TRANSYS**

Vevera-centrum s.r.o

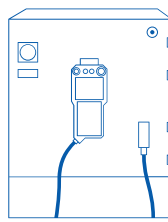
Supported controllers



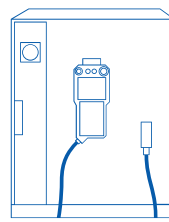
YRC1000



YRC1000micro



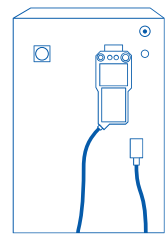
DX100



DX200



FS100



NX100

Supported databases

MS SQL

H2

checkbot.cz

OKsystem

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OKsystem entered in the Commercial Register maintained by the Municipal Court in Prague, Section B, file 20326.