NEW FANUC Zero Downtime function (ZDT)

Unexpected downtime could cost as much as €5,000 per minute. With the new ZDT diagnostics tool from FANUC, we ensure that downtime doesn’t happen. ZDT constantly monitors each robot’s mechanical, maintenance and process health in real-time and proactively detects potential robot, controller, or process problems before unexpected downtime can occur. Notifications can be seen even via smartphone. That’s what we call manufacturing efficiency!

WWW.FANUC.EU
FANUC Zero Downtime diagnostic function (ZDT)

**DELIVERS REAL TIME INFORMATION ABOUT:**

- **Mechanical health**
  - reducer diagnosis, motor torque monitoring, servo alarm recording, etc.

- **Process health**
  - operating status, vision detection results, servo gun status monitoring, etc.

- **System health**
  - error information, memory usage, CPU and network load, etc.

- **Maintenance health**
  - grease change time, battery replacement time, lubrication of balancer bushings, etc.

All information can be centrally managed on a server, and can be sent in real-time to remote devices such as smartphones. As well as a robot-only configuration, it is also possible to select the most suitable configuration for your environment, such as a cell-by-cell or factory-by-factory.

**ENHANCES YOUR PRODUCTIVITY BY:**

- **Proactively detecting potential equipment issues**
  - before unexpected downtime occurs

- **Advanced analytics and reporting**
  - to help optimise equipment utilisation in areas such as:
    - **smart maintenance notifications** to extend equipment life and optimise maintenance costs
    - **recommendation of actions** to extend robot life, reduce cycle times and energy consumption

- **Offering enhanced technical support services**
  - to increase productivity and overall customer satisfaction

**ZDT suites**

FANUC has developed a series of ZDT suites that can be used to indicate the health of a robot by monitoring and providing information such as:

- servo gun data and cap wear monitoring
- condition data on reducer, motor and brake health
- job data for motor torque per axis monitor
- flight data of servo off (Emergency Stop) event monitor
- servo hours and basic grease change reminders
- odometer (travel distance) per axis

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