

Comara appCom

A new way to Industry 4.0



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Comara appCom collects, evaluates, visualises and interprets extensive machine and production data.

Comara appCom taps completely new possibilities for products, services and forms of collaboration:

- What actions are currently running on the machine?
- What was the machine status in the past?
- How effectively does my machine operate?
- Which machine is at standstill? Why is it at standstill?
- Which CNC programs were changed?
- How many workpieces did my machine produce?
- The machining time of individual components varies significantly – why is that?

Analyse your CNC programs in detail with regard to program executions and cycle times. Determine the optimization potential of your processes.

In addition, Comara appCom also offers integration of other devices or systems (e.g., presetting devices or storage systems).



Why Comara appCom?



With Comara appCom, machines, tools, unfinished parts, operating equipment and measuring devices can communicate with each other.

Important key figures, as well as productivity and availability analyses, can be evaluated on a regular basis.

Whether on a computer, smartphone or tablet – getting insight is possible at any time and from anywhere.

Comara appCom: more than just OEE



Comara appCom starts where most standard software programs stop.

The system accesses the machine down to the individual CNC program line, allowing it to see exactly what is actually happening on the machine. Changes and effects on the process become visible.

Always live and monitoring the ongoing process, from the enterprise view on the management level down to detailed views of individual machines and tools.

Other characteristics:

- Web-based
- Device-independent
- Custom apps
- Monitoring
- Live data analysis
- Key figure determination
- Modular
- Data mining
- Machine data collection
- Internet of Things (IoT)
- Parts tracking
- OEE key figure
- Condition-based maintenance

Standard apps



Dashboard

This provides a consolidated overview of all machines and their status.



Production Overview

A quick summary of machine production status in the selected time/date range.



Machine Live

Real time machine status and information.



Statistical Analysis

Evaluates the captured data and provides a complete analysis based on OEE principles.



Parts Overview

Displays the number of CNC program runs and offers the option to view them individually.



NC Program-Changes

Logs different versions of the CNC programs and compares them (currently only for Siemens).



Varianz

Analyses the variance of the actual machining time per component and offers opportunities to find optimization approaches.



Alarm Monitor

Summarizes the most common alarms by duration and number.

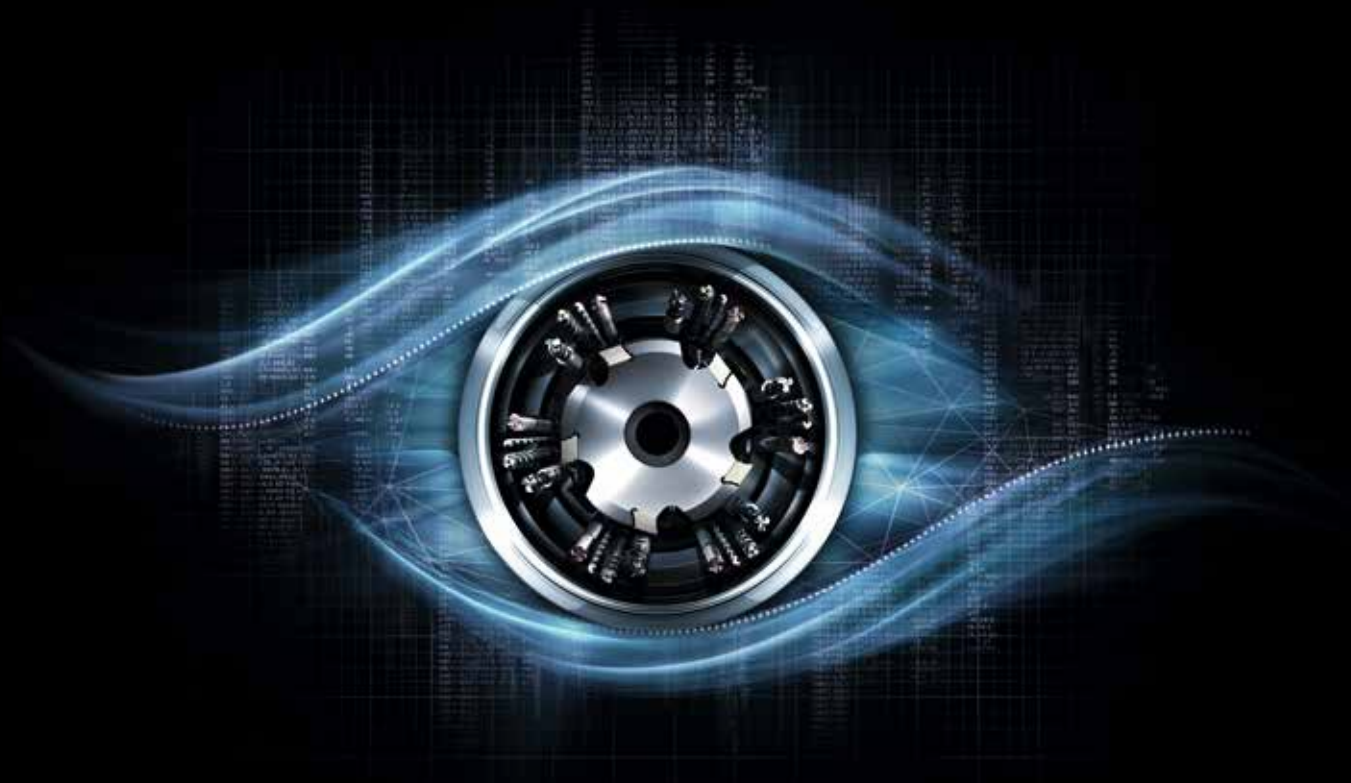


Alarm Assistant

Alarm history summary with alarm number and message text.

Walter Nexxt

Your production environment at a glance – transparent and in real time



Specific Walter Apps

Specific Walter Apps are available now, exclusively on Comara appCom.
In the future, this area will be further expanded.



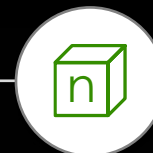
Machine ID

Shows everything at a glance including current productivity status of the machine (productive/unproductive).



Tools in Magazine

Returns a current overview of all tools loaded in the magazine.



Program Overview

Reports programs completed in the selected date range.

System requirements



The following CNC controls are currently supported by Comara appCom (as of 02/2018):

Siemens SINUMERIK:

810D / 840D pl [powerline] (PCU / one spindle)

840Di sl / 840D sl [solutionline] (one spindle)

Fanuc 16i / 18i / 21i / 30i / 31i / 32i

Heidenhain iTNC530 / TNC640

Brief info on Comara



- Founded in 2004
- Software company with in-depth experience in machine connectivity, machine interfaces, visualization, analysis and optimization of process data
- Product portfolio includes: Comara appCom, Comara iCut, Comara sysCut, Comara dataGrabber, customer specific software development
- Comara products are installed on more than **10,000 machines** worldwide (as of 2018)

Comara GmbH

Industriestr. 21 | D-78112 St. Georgen

Phone: +49 (0)7724 9158-0

info@comara.de | www.comara.de

