



C-Gate

Industry 4.0 enabled

Connectivity and digitalisation of QIROX robot systems

CLOOS

Weld your way.

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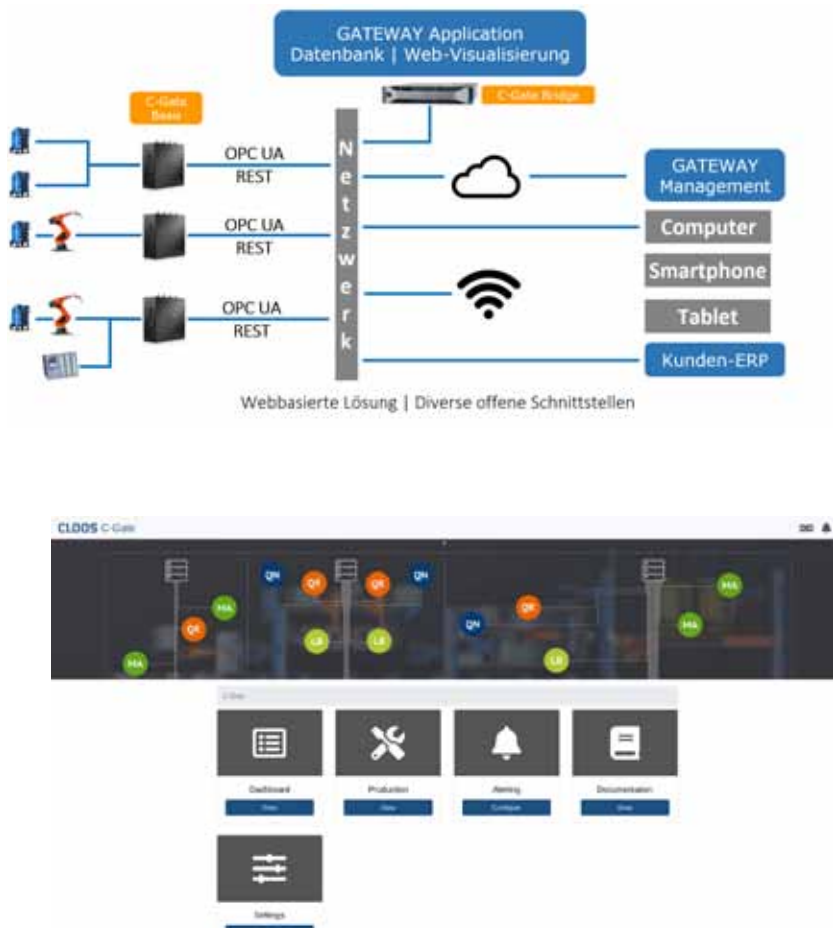
Connectivity and digitalisation of QIROX robot systems

The new C-Gate CLOOS gateway enables demand-based management of welding and robot data.

All information is entered and processed centrally in an integrated information and communication tool. The customised presentation of information enables detailed visualisation, analysis and continued processing of the operating and welding process data collected. The new system consists of the system-related hardware and the software modules production, quality management and service. With the production module you can illustrate the performance and the efficiency of your robot systems, localise shortages and increase the efficiency.

The module allows a comprehensive online monitoring of the robot systems with a detailed reporting about availability, capacity and quality. Thus, you early recognise weak points

in the production run. Furthermore, you considerably reduce system breakdowns or waiting times due to set-up and other downtimes. The new C-Gate can be integrated into existing Industry 4.0 environments. Via standardised interfaces it is possible to transfer the data to superior IT-based solutions such as MES and cloud applications or other systems, for example.



Overview of the characteristics

- **Integrated information and communication tool:** Central acquisition and processing of all data
- **Digitalisation, monitoring and analysis of CLOOS production systems:** Efficient production of customer-specific products in high quality
- **Single source supply:** System access to all active components without interface difficulties
- **Customised system:** Individual adaptations to customer-specific requirements
- **User friendliness due to integrated functions:** Dashboard, evaluation possibilities, mobile access, cloud applications, KPI analysis

C-Gate.PR

Production module

The production module supports you during measurement, analysis and increase of the machine and system productivity.

You benefit from:

- Online monitoring of the total system availability
- Detailed reporting on availability, capacity and quality
- Automated data recording and allocation
- Transparency of the machine utilisation times
- Basis for process optimisations
- Analysis, reporting and notification functions



Overview of the functions:

- Live dashboard
- OEE/GAE display
- Reports and analyses
- Message/Alert function
- Interface functions to upstream systems (OPC UA, REST)

7 good reasons for the C-Gate production module by CLOOS:

1. You always keep an eye on the system efficiency and recognise weak points in the production run early.
2. You avoid unstable production phases and quality losses and diminish the reject rate.
3. You minimise system breakdowns because of errors and reduce waiting time due to set-up.
4. You reduce short and other downtimes and optimise the cycle speed.
5. You plan improvements and investments in your machine park with safe information.
6. You reduce your costs due to an efficient machine utilisation and improve the use of resources.
7. You reduce the production times of orders and achieve faster deliveries.

All over the world!



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