

SOFTWARE AND BASIC DESCRIPTION OF THE CONTROL SYSTEM :

The control system is modular and built as intranet system. All signals, analog and digital I/O can be adjusted to the desired needs. The control system can later expanded.

Process program sequence is simplified built and can, if necessary, later still be changed or modified.

The fact that all process parameters can be selected freely makes the control extremely flexible.

A continuous prosecution of the flightbar positions is ensured. Resuming the process program after main power shuts off is therefore guaranteed.

The software is delivered completely, so that it can be used immediatetly by the customer.

Customers can directly enter a new process program, which can then be stored in the PLC, after which the operator can recall the program later.



The control PC can also be operated with multiple PC screens, where each individual screen show a work process. Thus, it is possible on a screen to display the line overview, and to see the product parameters on a different screen.

There can be machine-related error messages and protocols with product-related error messages printed.

In developing the software is the greatest emphasis on the easy creation of a range of programs, so that the user self is able to teach this programming skills.

A time-travel diagram is not needed because the simulation program ensure that no collision of the carrier(s) is possible.

By Assigning tolerance limits for the different process exposure times, the control can make a real optimization for the process sequence.

When a tank position to be treated within a specified time, the software checks if a shorter or longer dwell time is possible whereupon a new process step can be taken. As a result, the productivity of the system can be optimized.

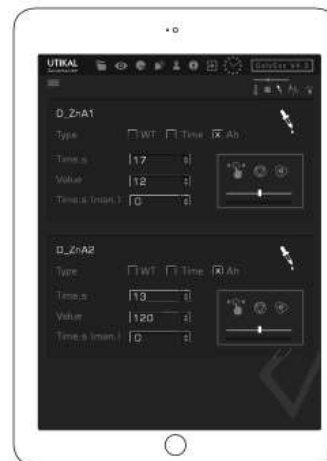
For certain processes, trend curves can be created and bath level, MTO and temperatures displayed in bar charts.

The proceedings can be followed on the monitor and the PC is directly connected via an interface to the PLC.

The direct intervention of the PLC to signal changes is guaranteed.



Components such as temperatures, rectifiers, dosing pumps, various switches and other details are called up and displayed separately as required.



For production orders, logbooks and maintenance records databases can be created which are unlimited in size and are only recorded once. For example frequent failures with the same error are stored in a database with date / time to printed later.

Also after a certain period, maintenance protocols and instructions issued. For example, Bath change, service to filters or dosing in the bath is needed etc.

All arithmetic for calculations and conversions purposes are checked and executed by the program.

The exact specifications of the software, equipment and capabilities of the controller can be discussed upon request.