

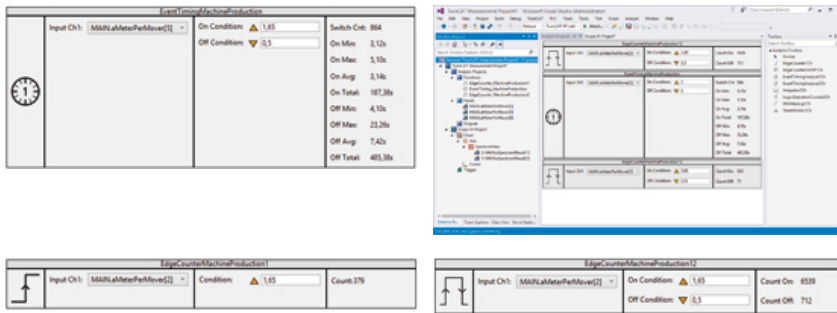


i TE3500 | TC3 Analytics Workbench

The TwinCAT 3 Analytics Workbench is a TC3 engineering product for the creation of continual data analyses from various spatially distributed machine controllers. The configuration of the workbench is integrated in Microsoft Visual Studio® and serves as the graphic user interface. Many algorithms are available in a toolbox for the configuration of the analysis, such as cycle time monitoring, life count, lifetime and minimum/maximum/mean value.

The TC3 Analytics Workbench contains the TE1300 TC3 Scope View Professional for the simple visualisation of the signal curves: The user can drag the analysis results from the analytics configurator and drop them into the charting tool in order to mark significant points in the data stream. Such markings can be simple minima or maxima, counter values or, for example, the results of a logic operator that logically links the results from the machine controller so that they can be found in the data stream. Correlation with other signals in the Scope View is thus possible to the exact cycle.

The MQTT input data are selected via the TwinCAT Target Browser, in which live data and, via the TF3520 TC3 Analytics Storage Provider, historical data are available. If the created analysis is complete and has been tested in the graphic editor, this configuration can be converted into readable PLC code with just one click. The automatically generated PLC code can be downloaded directly to a device with the TF3550 TC3 Analytics Runtime, where it can run 24/7 in parallel to the actual production machine and supply analysis results. The use of Beckhoff standard PLC libraries is also possible. In conjunction with TwinCAT 3 HMI, individual HTML 5 dashboards can be created and used to display the results for machine operators, production managers and machine manufacturers.



Technical data	TE3500
Required	TC1000
Target system	Windows 7/8/10

Ordering information	
TE3500	TC3 Analytics Workbench
TF3560	TC3 Analytics Controller Pack 4
TF3561	TC3 Analytics Controller Pack 8
TF3562	TC3 Analytics Controller Pack 16
TF3563	TC3 Analytics Controller Pack 32
TF3564	TC3 Analytics Controller Pack 64
TF3565	TC3 Analytics Controller Pack 128

i Product announcement	estimated market release 2nd quarter 2019
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