

WELDCUBE PREMIUM RELEASE 2.6

RELEASE DESCRIPTION

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1 OVERVIEW: NEW FUNCTIONS

Release 2.6 provides new functions, extensions and improvements of WeldCube Premium. Prerequisite for using release 2.5 with TPS/i is **TPS/i** firmware version **2.0.2** or higher.

The following list provides an overview of all news / changes functions with release 2.6:

- / Devices / machines
 - / Revised error management for TPS/i
 - / Freely configurable TCP port for connections with TPS/i
- / Consumption values
 - / Increased accuracy due to changes in gas cost input
- / Data interface / API
 - / Change of welding / part status

2 DEVICES / MACHINES

2.1 Revised error management for TPS/i

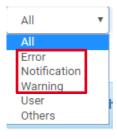
The 3 states

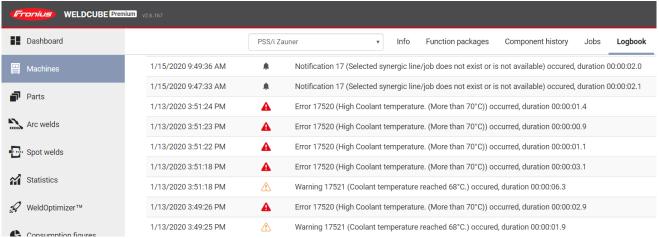
- / Error
- / Warning
- / Notification

provided by TPS/i are now also documented and evaluated in WeldCube Premium. They are combined under the umbrella term "Alert".

2.1.1 Logbook

The TPS/i logbook contains entries for all 3 states:





2.1.2 Welding list

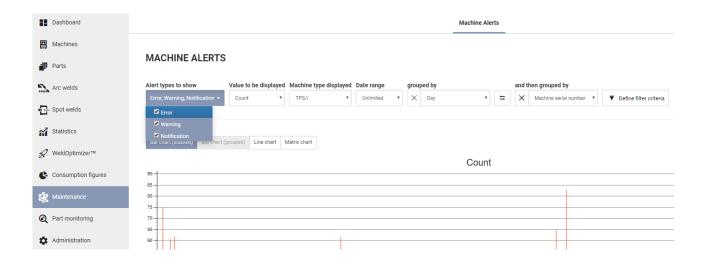
In the welding list, errors and notifications are merged in the "Errors" field so that the entries do not have to be duplicated.

2.1.3 Welding details

The weld details also include merged information on errors and notifications, since a notification should not occur during a weld.

2.1.4 Maintenance / error statistics

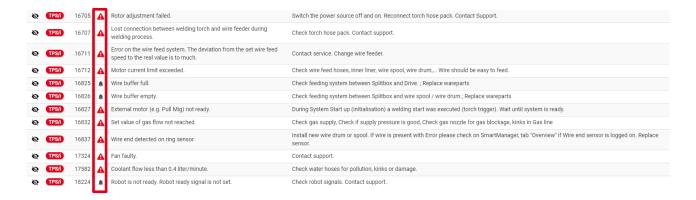
The error statistics have been reworked so that "alerts" can be handled. There is now a new selection field in which the desired state can be selected:



In the "Value to be displayed" selection box, the two options have been renamed to "Count" and "Duration". This has also been implemented in the filter wizard.

The available error list has also been redesigned and now includes an icon to visualize the 3 state options

- / Error
- / Warning
- / Notification





ATTENTION:

Due to the necessary renaming of variables due to these adjustments, existing reports or dashboard widgets may no longer function.

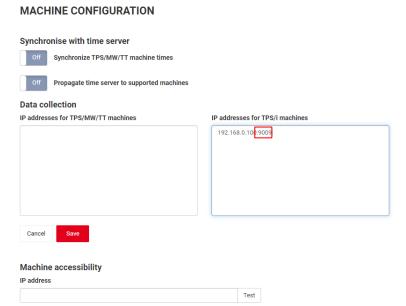


2.1.5 Machine live view, dashboard and hall plan

All 3 views have been extended so that the status / state is displayed correctly.

2.2 Freely configurable TCP port for connections with TPS/i

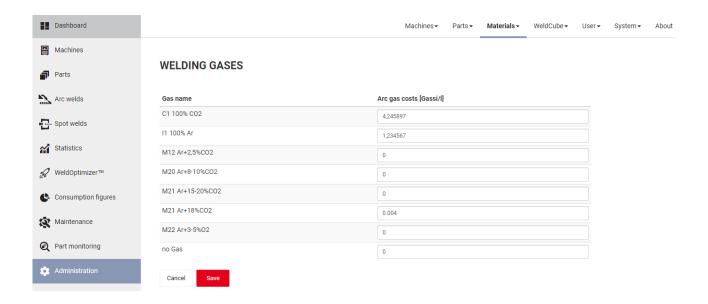
In the connection settings of the machine configuration menu, the port can now be specified in addition to the IP address for TPS/i systems. This makes it possible to establish connections to machines, even if a port extension (NAT) is used.



3 CONSUMPTION VALUES

3.1 Increased accuracy due to changes in gas cost input

The gas costs are now displayed in the administration page rounded to six decimal places:



In the database, however, the full accuracy entered is stored.

The calculation of consumption figures and statistics does not change, because the full acurracy was already used for calculation before implementing this feature.

4 DATA INTERFACE / API

4.1 Change of welding / part status

The API of WeldCube Premium has been extended so that the part or welding status can now be changed via API.

4.1.1 Welding Call



The Welding Call determines the status to be set. For this reason, you should first query the current status of the weld.

The call returns the updated object.

Parameters:

- / weldId → GUID oft he welding (ID)
- / explanation → Justification of the change
- / user → which user / which station did the call

4.1.2 Parts Call

POST /api/v2/Parts/{partItemNumber}/{partSerialNumber}/CorrectState

Change the state of a part to Ok

The Parts Call only works for parts whose status is "not OK". The call returns the updated object.

Parameters:

- / partSerialNumber → serial number of the part
- / partItemNumber → item number of the part
- / explanation → Justification of the change
- / user → which user / which station did the call