

## WELDCUBE PREMIUM RELEASE 2.30

**RELEASE DESCRIPTION** 

The following overview contains new features, enhancements and improvements of the releases 2.27, 2.28, 2.29 and 2.30 for the WeldCube Premium.

## **TABLE OF CONTENTS**

1	New Welding Modes	3
1.1	Constant Wire (R2.27)	3
1.2	New WIG welding mode "Active-Wire" (R.2.28)	4
2	Share Dashboard (R2.27)	4
3	Dual feeder (R2.28)	6
4	Secure Client: enhanced connection Security (R2.29)	7
5	Machine - BackUp / Restore (R2.29)	8
6	Database changes (R2.30)	9
7	Visualization of R/L measurement Values (R2.30)	9
8	Push API (R2.30)	10
9	Miscellaneius Changes	11
9.1	Display values in chart for statistics report pdf (R.2.27)	11
9.2	Disabled Korean PDF export (R.2.28)	11
9.3	Renaming welding process (R.2.28)	11
9.4	Display .Net Framework Version (R.2.28)	12
9.5	Default charting type for two groupings (R.2.30)	12
9.6	Arc gas consumption tile hidden if value is zero (R.2.30)	12

## 1 NEW WELDING MODES

## 1.1 Constant Wire (R2.27)

In the TPS/i and iWave a new Welding Mode "ConstantWire" is now available. Therefore, WeldCube Premium got adapted to support ConstantWire as well.



Figure 1: New Welding Mode in the welding documentation

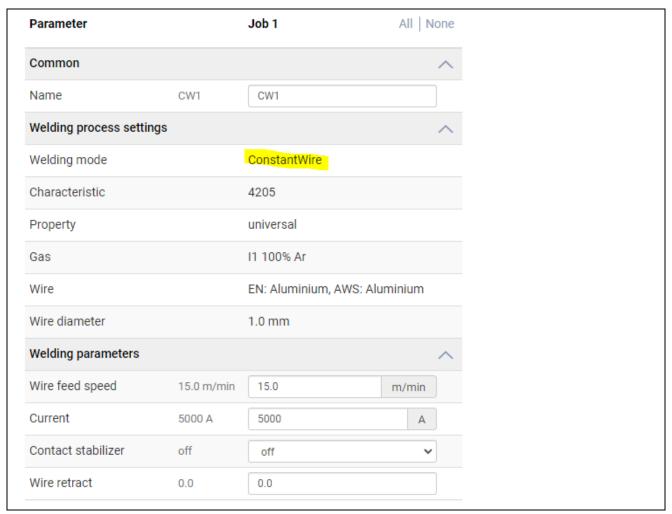


Figure 2: edit jobs with ConstantWire



Figure 3: create a new job with ConstantWire

## 1.2 New WIG welding mode "Active-Wire" (R.2.28)

Welding Mode "Active Wire" is now supported in WeldCube Premium.

## 2 SHARE DASHBOARD (R2.27)

With Release 2.27 it is possible to share dashboards with multiple users.

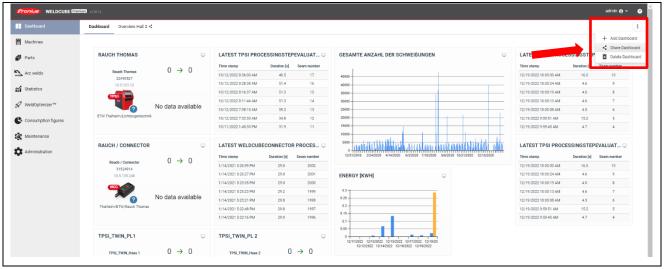


Figure 4: Share dashboard

Shared dashboards that you do not own are marked with a share icon. If you move the mouse pointer over this icon, you will see the name of the owner

#### **Share dialog**

Dashboards can be shared with users and user roles as well. In the sharing dialog you will find three ways of sharing. Therefore, some settings are necessary.

- public
  - Dashboards can be shared with all users (read only). To share dashboards public, a user must have the "share public permission". (see Figure 6: Edit user roles)
- share with single user
  - Dashboards can be shared with individual users selected from the user list.
- share with user roles
  Dashboards can be shared with whole user roles selected from the list.

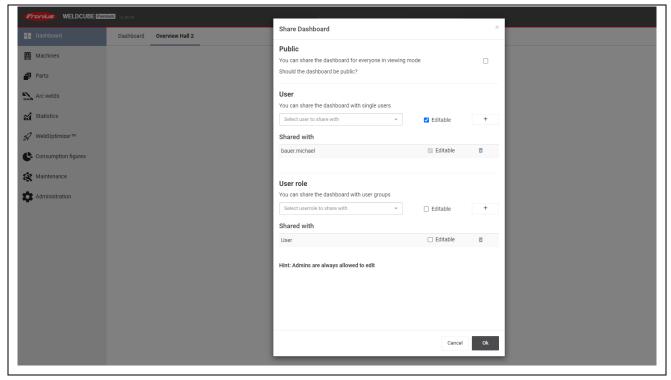


Figure 5: configuring the sharing of the dashboard

Via checkbox the users or user roles can be allowed to edit the dashboard (add/move/rename/delete widgets). They will not be able to delete the dashboard or edit the sharing configurations.

**Note:** If you get a dashboard shared via more ways (public + group share + explicit single user) the most explicit will be active (public < group < single user).

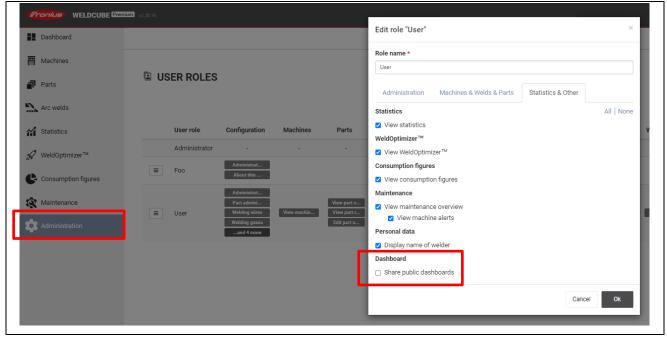


Figure 6: Edit user roles in Administration

Note: Administrators are always allowed to edit dashboards and share them public.

## 3 DUAL FEEDER (R2.28)

Using Dual Feeder, the process line is now visualized in components and the components history.

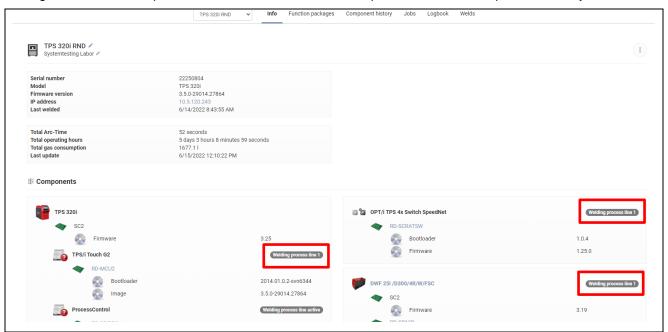


Figure 7: Process line in "Info"



Figure 8: Process line in "Components History"

Addionally the process line is documented in the detailed arc weld documentation.



Figure 9: Process line in "arc weld documentation"

# 4 SECURE CLIENT: ENHANCED CONNECTION SECURITY (R2.29)

With Release 2.29 the connection of a power source (Machine Firmware >3.5.0) to the WeldCube Premium can be confirmed as a secure connection. This further increases the security of safety-critical features (e.g., restoring a backup).

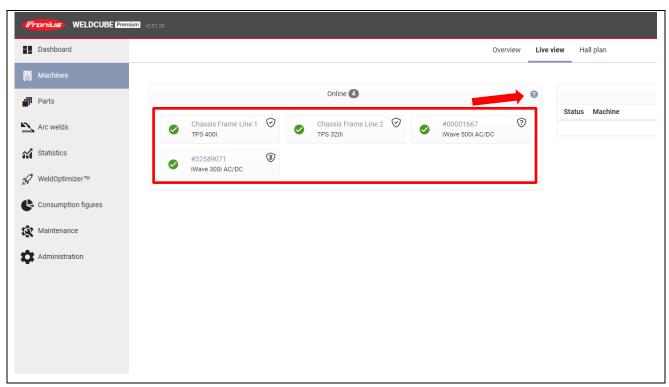


Figure 10: actual security level in the Live View

As soon a WeldCube Premium has connected to a Machine, the connection can be confirmed in the Client Permissions on the Machine Display.

Defaults => System => Network Settings => Client permissions

#### There are three levels of connection security:

- Extended connection permitted
- Extended connection pending
- Status of extended connection unknown

**Note:** Features which interrupt the welding process (e.g., restoring a backup) will in future only be available for power sources with a confirmed connection (Extended connection permitted).

A digital manual for the confirmation of a connection can be found in the new help center of the WeldCube Premium.

## 5 MACHINE - BACKUP / RESTORE (R2.29)

With Release 2.29 backups of TPS/i and iWave can also be managed in WeldCube Premium.

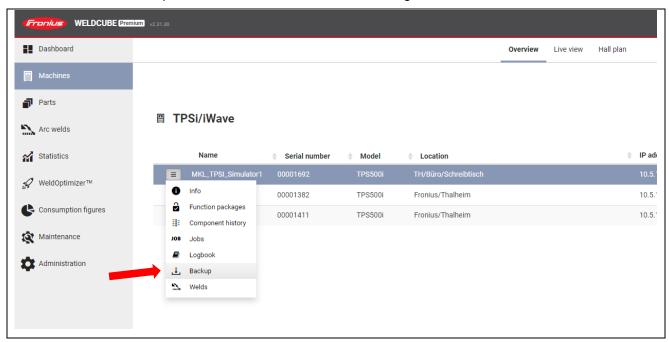


Figure 11: Backup in the machines overview

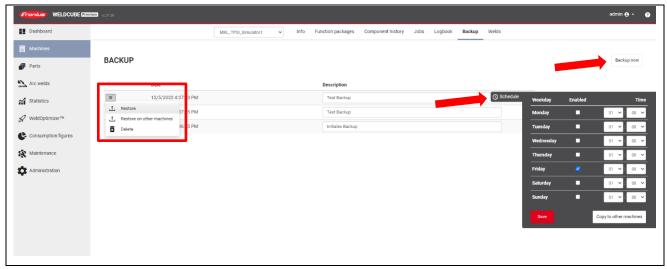


Figure 12: Restore and schedule a Backup

- Backup: In the Backup menu a backup can be scheduled or done on demand.
- Restore: A restore can be done on the initial machine or on other machines.

**Note:** Backups & Restores can only be done on a power source with a confirmed connection (see 4 Secure Client: enhanced connection Security (R2.29)).

## 6 DATABASE CHANGES (R2.30)

The Release 2.30 will improve the structure of the database.

Attention: Fronius suggests planning this update outside of production hours. The **WeldCube Premium will** not be accessible for about 10 - 15 minutes. This depends on the amount of weldings stored in the database. Welding data of TPS cannot be documented during this update!

## 7 VISUALIZATION OF R/L MEASUREMENT VALUES (R2.30)

The R/L measurement values of TPS/i and iWave are shown on the machine info page.

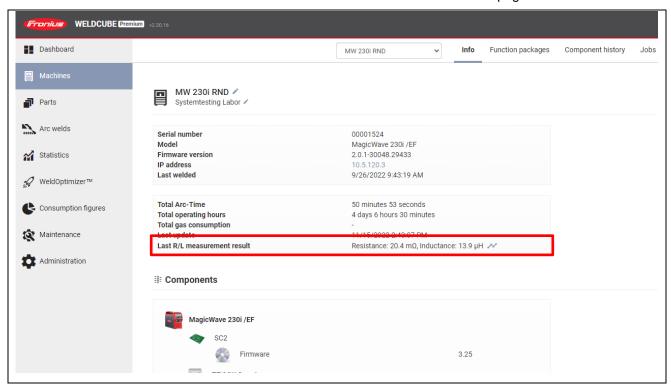


Figure 13: Last R/L measurement result on the machine info page

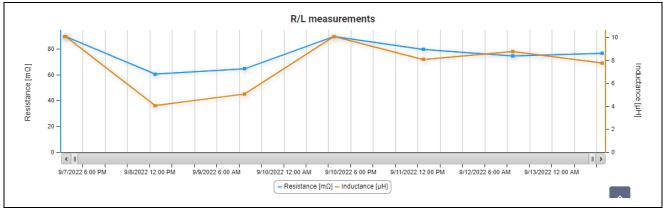


Figure 14: documentation of R/L measurement results on the machine info page

## 8 PUSH API (R2.30)

In the WeldCube Premium you have the possibility to register on NewsTopics via the API in order to receive notifications if something happens in this area.

**Note:** Currently there is the "JobChanges" area. Here you will be informed if a job changes.

#### GET /api/v4/News/Topics

See all available news topics and the structure of the data (enum value e.g. "JobChanges")

#### POST /api/v4/News/Subscribe

Register on a specific news topic. A callback URL specification on which you want to receive the web requests for your notifications is necessary.

Registration is valid for 3 minutes. As an answer you get a session token and the information when it expires.

#### POST /api/v4/News/Extend

Extend with the session token the registration for another 3 minutes (from the time of the extension).

#### POST /api/v4/News/Unsubscribe

Delete registration with the session token.

**Note:** More details to the API can be found in the WeldCube Premium directly in the interactive API description.

## 9 MISCELLANEIUS CHANGES

## 9.1 Display values in chart for statistics report pdf (R.2.27)

In the PDF statistic report the values can be displayed in the charts.

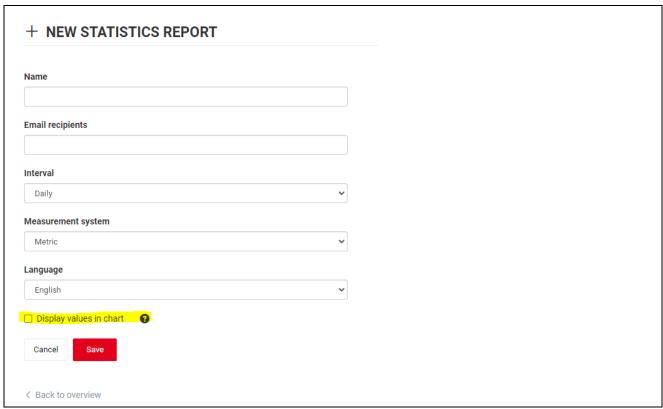


Figure 15:Create a statistic report including values in chart.

## 9.2 Disabled Korean PDF export (R.2.28)

Korean PDF exports are not available anymore and fall back to English automatically.

## 9.3 Renaming welding process (R.2.28)

The welding process "MIG/MAG welding" is now translated with "GMAW" (Gas-shielded matel arc welding)

## 9.4 Display .Net Framework Version (R.2.28)

The actual version of the ".Net Framework" is documented in "About this WeldCube".

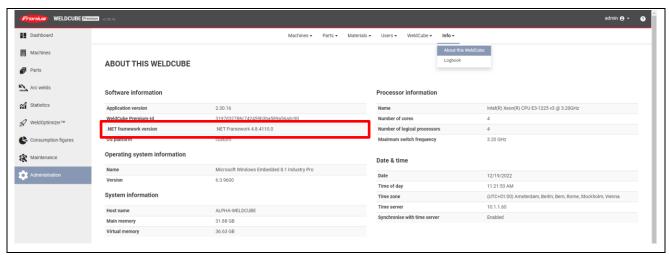


Figure 16: ".Net Framework version" in "About this WeldCube"

## 9.5 Default charting type for two groupings (R.2.30)

Until Release 2.30, when a chart was loaded on the statistics or maintenance page with two groupings, the default type for a chart was "Line". Now the default for two groupings is "Stacked Column".

## 9.6 Arc gas consumption tile hidden if value is zero (R.2.30)

The arc gas consumption tile is only shown when a gas consumption is documented.