



August 2019

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**WATS Server 2019.1 Release Note**



## Major Feature Areas

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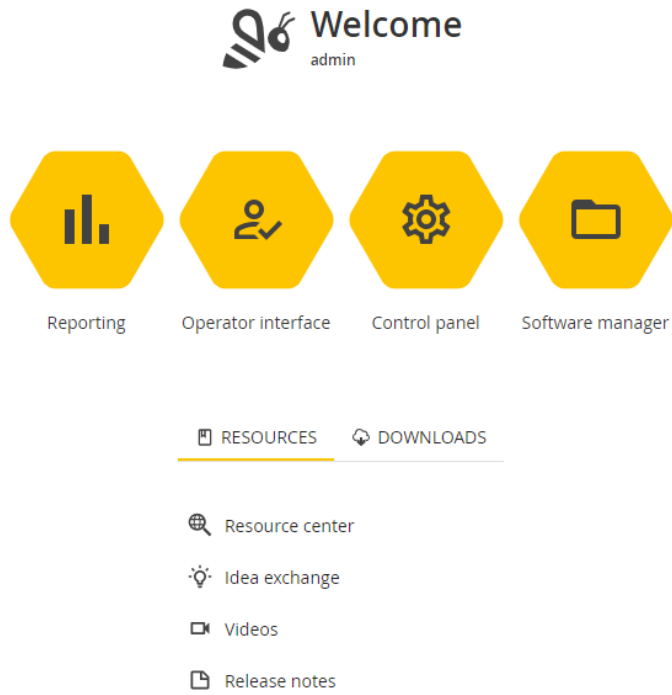
- Application rebranding
- Manual inspection out of preview
- New UUR report
- Edit/update UUR in Operator Interface
- New UUT out of preview
- Product Manager out of preview
- Support for WATS Mobile App v2.0
- Security/Performance enhancements and bugfixes



## Application rebranding

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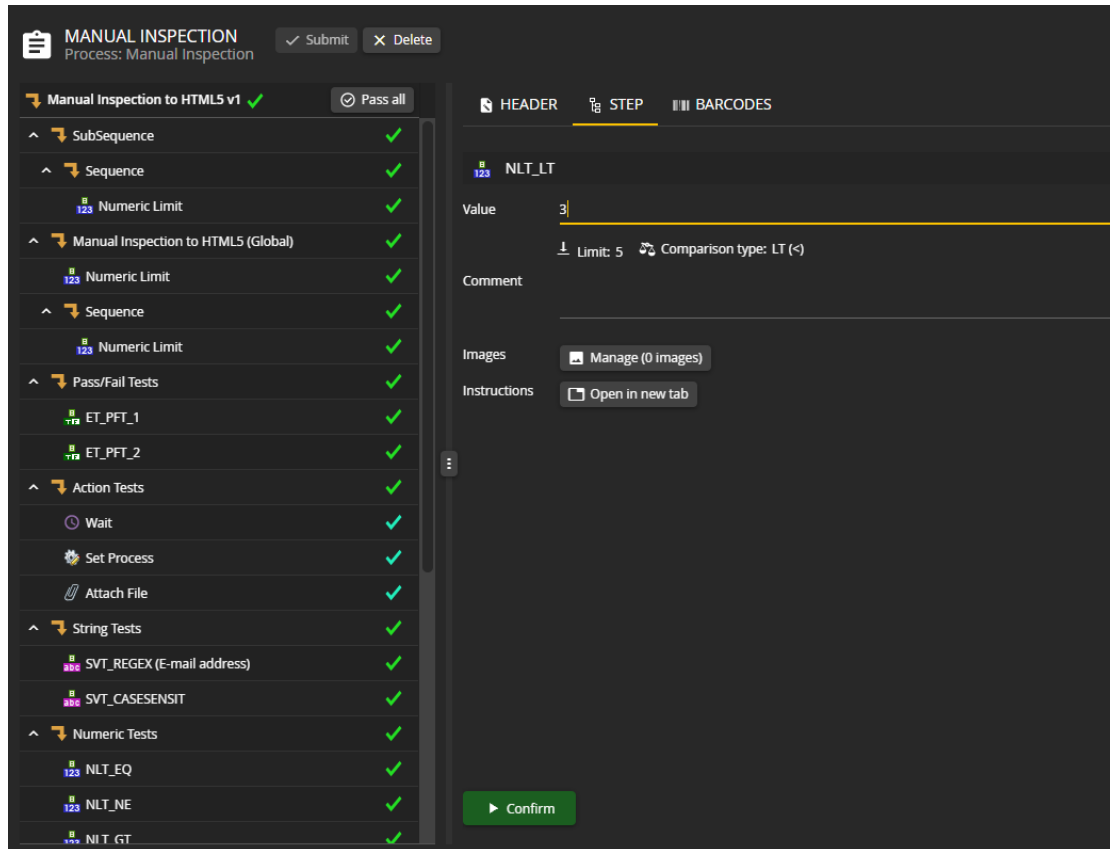
The WATS application user interface has been modernized and rebranded, including new revamped my settings page, start page, and a top bar with new features, like online article search.





# Manual inspection out of preview

Manual inspection has been rewritten from the ground up and converted to HTML5 (replaces the Silverlight version).





## New UUR report

The UUR report details view have been rebranded. The new UI have a responsive and modern layout and follows the design principles found in the UUT report.

The “Update UUR report” feature have been improved as well. Updates of existing UUR reports will now be performed from within the UUR wizard in the Operator interface. From the UUR report, open the menu and click “Edit report” to perform the update.



### Repair Report Show/hide all ☰

Serial number:	34535G
Part number:	3424
Revision:	33
Repair operation:	Repair (code: 500)
Test operation:	Manual Inspection (code: 120)
Operator:	Steffen-94@hotmail.com
Start date/time:	2019-08-22, 10:24:53
UTC Start date/time:	2019-08-22, 10:24:53
UTC Finalized time:	2019-08-22, 10:26:29
Execution time:	74.100 seconds (1 m, 14 s)

- ▶ Station data
- ▶ Station data (UUT)
- ▶ Miscellaneous Info

#### Referenced UUT

#### Serial number: 34535G      Part number: 3424      Revision: 33

Comp ref	gg
Category	Assembly Process
Code	Missing component
Step name	String Value
Comment	yrdy
Attachments	

▶ Show/Hide failure details



## New UUT out of preview

The new UUT which has been in preview for the last couple of versions are now completed and has replaced the old UUT. The new module provides several new features, including the ability to choose which column to view and the order in which they are shown.

### UUT REPORT test & repair

Product groups	(Any) ▼	Test operations	(Any) ▼
Levels	(Any) ▼	Status	(Any) ▼
Serial number	<input type="text"/>	Run	All ▼
Part number	<input type="text"/>	Misc info desc	<input type="text"/>
Revision	<input type="text"/>	Misc info value	<input type="text"/>
Batch number	<input type="text"/>	From date (UTC)	2019-May-07 <input type="text"/> 00:00 <input type="text"/>
Station name	<input type="text"/>	To date (UTC)	<input type="text"/> <input type="text"/>

Displaying 1000 of 3321 reports ✔ 836 ✘ 159 ✘ 5

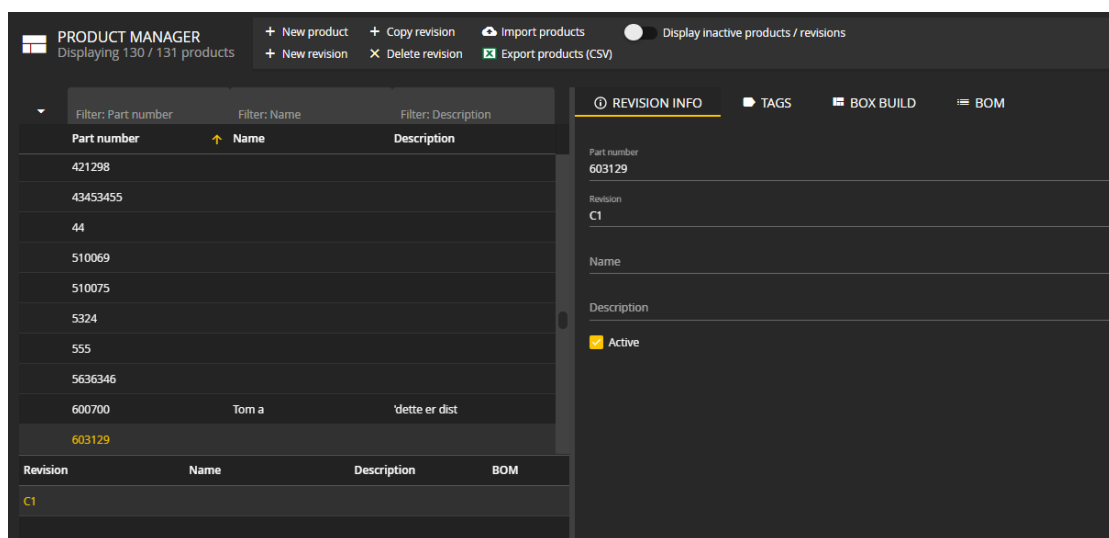
	Serial number	Status	Part number	Revision	Product name
<input type="button" value="Q"/> <input type="button" value="≡"/> <input type="button" value="🗑"/>	33.4109011	✘ Failed	WATS FAT	FAT	Demo product r
<input type="button" value="Q"/> <input type="button" value="≡"/> <input type="button" value="🗑"/>	DRGE4545	✔ Passed	234234		
<input type="button" value="Q"/> <input type="button" value="≡"/> <input type="button" value="🗑"/>	101.5961839	✘ Failed	WATS FAT	FAT	Demo product r
<input type="button" value="Q"/> <input type="button" value="≡"/> <input type="button" value="🗑"/>	34535G	✘ Failed	3424	33	



## Product Manager out of preview

Apart from bugfixes and enhancements, new features include support for importing products using CSV file upload, or synchronization with TDM (report data), as well as to export the product list to CSV.

Product Rest API (api/Product) has also been added, and this will allow you to read, add and update both products and revisions. Navigate to <your-wats-server>/swagger for more details on how to use. Please note that use requires permissions to either Product Manager or to Product Rest API.

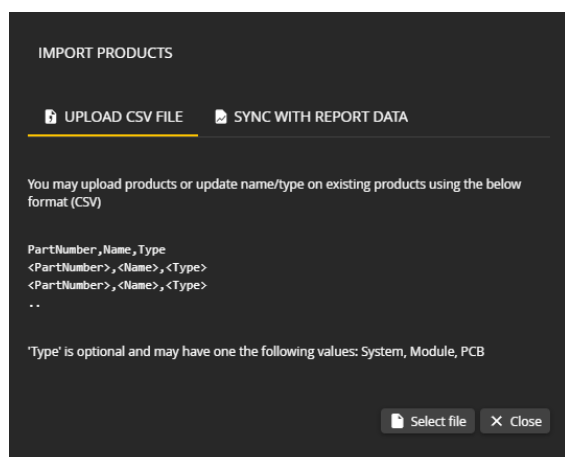


### Import products

The “Import products” feature allows you to import your products in two different ways

#### Upload CSV file

Allows upload of a single CSV file containing your product data in the specified format. Products which have been previously imported, will be updated with the new data as specified in the CSV file.





### Sync with report data

This will extract all product and revision data from both UUT and UUR reports currently in the WATS database, and insert/update them in the product list.

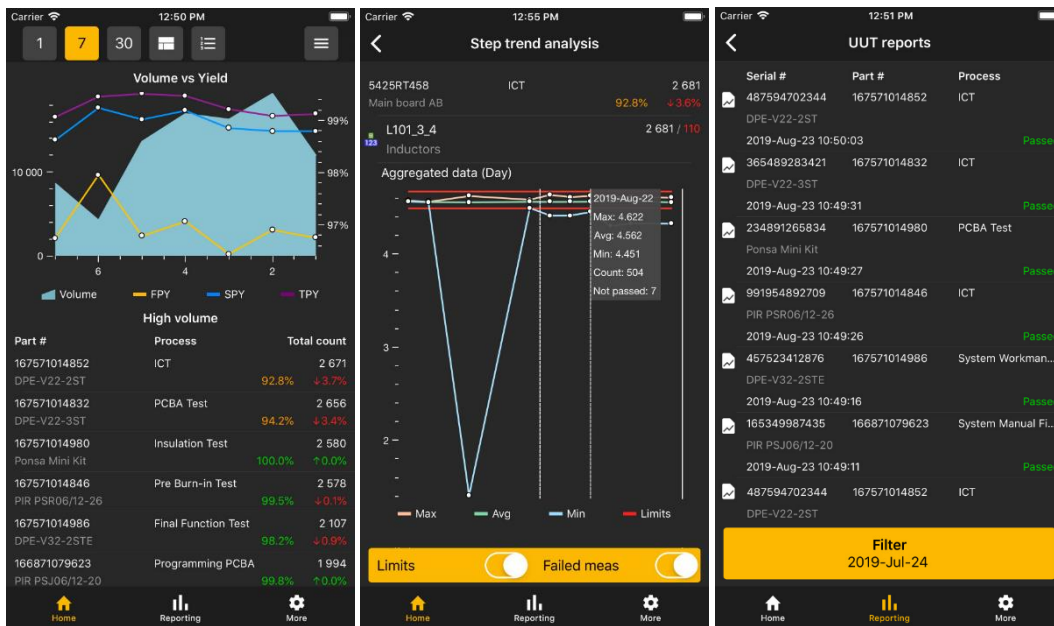
Action	Part number	Name
Update	1000000000	1000000000
Update	1000000000	1000000000
Update	1000000000	1000000000
Insert	1000000000	1000000000
Insert	1000000000	1000000000



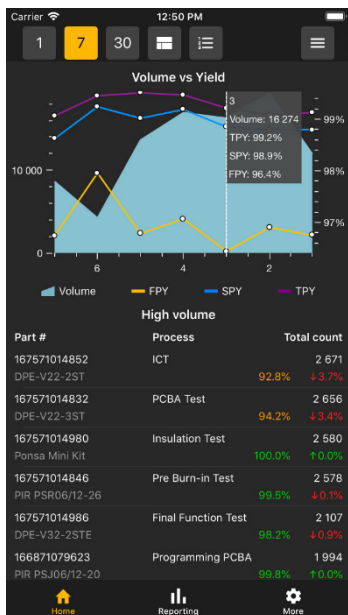


# WATS Mobile App v2.0

The WATS Mobile App has undergone a similar rebranding as the web user interface, and it has changed to a dark theme. It has new features for analysing failed steps and their trend (requires 2019.1), and viewing UUT reports and UUR reports (requires 2019.1).

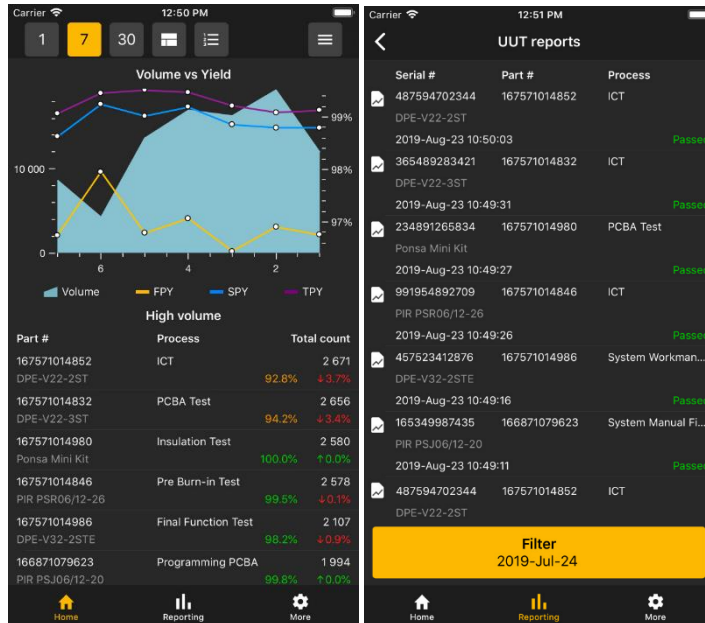


The Volume vs Yield chart shows a tooltip when you touch it.





Product name is shown in the High volume, Worst yield, UUT report, UUR report, Serial number history, and Yield report lists (requires 2019.1).



More options have been added to the filter and it is shared between Home, UUT, UUR, Serial number history, and Yield report. The filter resets when closing the app.

**Apply filter**  
241119.903, 2019-Jun-23

Product group Any >

Level Any >

Test operation Any >

Status Any >

Serial number

Part number 241119.903

Revision

Batch number

Station name

Misc value

From date 2019-Jun-23

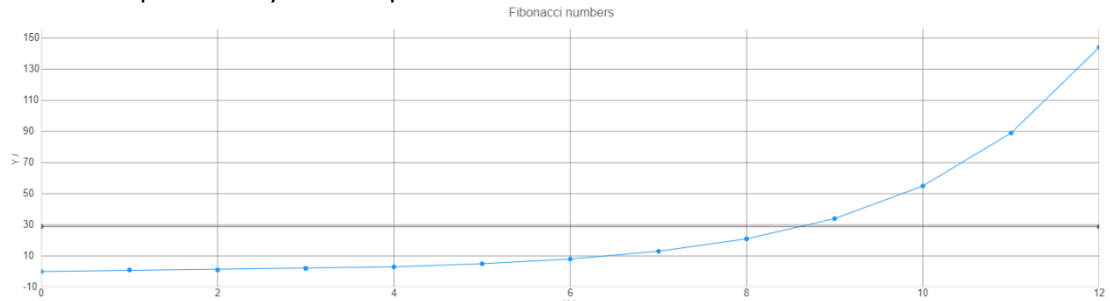
Bug fixes:

- Charts no longer look blurry when rotating screen



## Misc features

- UUT report: Ability to show plot markers in charts



- UUT report: Ability to display step status as text in addition to icon, to enable text search for status
- UUT report: Drilldown to serial number history
- UUT report: Product Name and Test Operation code in header
- UUT report: Improved “none leaf node” flag of Step Caused UUT Failed/Error/Terminated
- Reporting filter “Levels”: Hide or display sub levels
- Test step yield & analysis: Failures are now highlighted in the step grid.

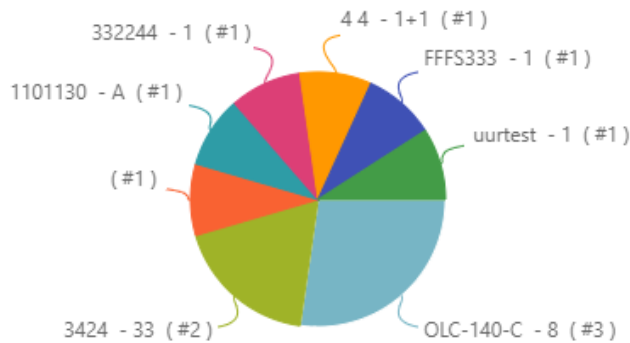
Total	Failed	Error	Terminated	Skipped	Passed
4 106	113	25	1		3,967
4 106	16		1		4,089
4 106					
4 106	11				4,095
4 095	1				4,094
4 094	1				4,093
4 093					
4 093					
4 093	3		1		4,089

- Yield report: Added a new FPY trend column. The value is calculated based on the FPY from the previous period.



Total #	FPY #	FPY	FPY (trend)
16 722	16 506	98.7 %	-0.3 %
16 290	15 537	95.4 %	-0.7 %
16 235	15 597	96.1 %	-2.3 %
16 205	16 189	99.9 %	0.1 %
16 187	16 075	99.3 %	0.4 %

- TSA Step details: Print and share is removed and replaced by native print and print to PDF from the browser print dialog.
- Repair analysis: New and improved pie charts with drill down to serial number history.



- Repair analysis: Option to select X or Y-axis zoom and pan in pareto charts.
- GR&R analysis: Added filter to be able to exclude UUT's in the analysis
- OI Repair: Misc Info (header data) can now be a drop box of predefined values (defined in the process settings – edit repair operation), using “;” as item separator in “Input mask” field
- OI Repair: Support for multiple photo/file attachments on UUR header and on individual failures.
- OI configuration: Added Reset/Set station name
- Export Wizard: Job runs in the background and submit result by mail.
- Export Wizard: Product name added to excel, csv and certificate export.
- Data warehouse now build statistics on the fly.
- Improved data warehouse loading speed.
- Improved report deletion speed
- Custom step types show up with default icons.
- Faster navigation between main modules.
- Improved visibility of failures in the step list of Test step yield and analysis
- Performance improvements and bug fixes



## Bug fixes

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- 4904 - Loop iteration drop down does not change values when you inspect new steps in test step yield and analysis
- 5678 - Add sub units dialog doesn't support MES Product
- 6265 - OI Repair got 403 forbidden because of missing operator permissions
- 5756 – Register client/log-in failed with the 5.0 client
- 5940 - UUT charts not rendered correctly
- 6172 - Wrong "changed" date in WATS Unit history
- 6236 - Dropdown doesn't handle out-of-bounds options in Product Manager
- 5773 - Serial number/Unit history does not display last report produced through OI
- 6173 - Serial number history grid is not immediately cleared when clearing and scanning new Unit
- 5339 - Fixed a scanner configuration bug in Operator Interface
- 5702 - Packages in Software Manager are saved/updated when clicked on in the treeview
- 5749 - UUR gets quarantined if multiple category/codes are found in fail codes
- 6527 - TSA details stuck on loading with a non-default step grouping
- 6181 - System Manager reports DB version as server version
- 6125 - OEE analysis details should calculate max execution time in period by socket only
- 5564 - Process/Repair code editor allows duplicate names in fail code name
- 5535 - Unable to view single point plots in UUT charts
- 5163 - Edit repair operation sometimes show "add new row"
- 5537 - Permission bug in the edit UUT header
- 5646 - OI "Configuration -> Locked processes" does not scroll on overflow
- 5502 - Menu in Control Panel sometimes appears empty
- 6008 - Unable to save repair operation changes
- 6102 - RCA table view issue
- 5548 - Unable to view Exception details in system manager
- 5246 - Custom Step type icon in OI Repair Wizard is missing
- 6235 - UUT delete confirm word is translated
- 5348 - Analyze chart data button doesn't work in TSA Step details
- 6508 - Cannot add spaces to failure comment in UUR wizard
- 6498 - TreeView items unaligned in Asset Manager
- 5705 - api/Report/Query: Force JSON output regardless of browser default
- 5356 - Product Group Bug - Cannot exclude sub groups
- 5616 - Nested product groups does not work as intended
- 5533 - Misc Info fields in UUR Wizard must allow empty value based on RegEx
- 5534 - Minor UI bugs in Repair wizard
- 5443 - Test yield filter in RTY report is not working
- 5532 - BOM list does not show up in Repair
- 5098 - Connection and execution time report doesn't count max connection time
- 5565 - Shared operators requires email as username
- 4932 - Sorting issue in Process Capability analysis



- 5637 - Fixture id missing from chart tooltip in TSA step details
- 5640 - Export from TSA step details fails if step name contains a :
- 6818 - Sub units duplicated in serial number history
- 6501 – Dashboard widgets not reloading correctly (Chrome)

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