



Ultriva 9.0 version Release Notes

By Upland Software

Version 1.0

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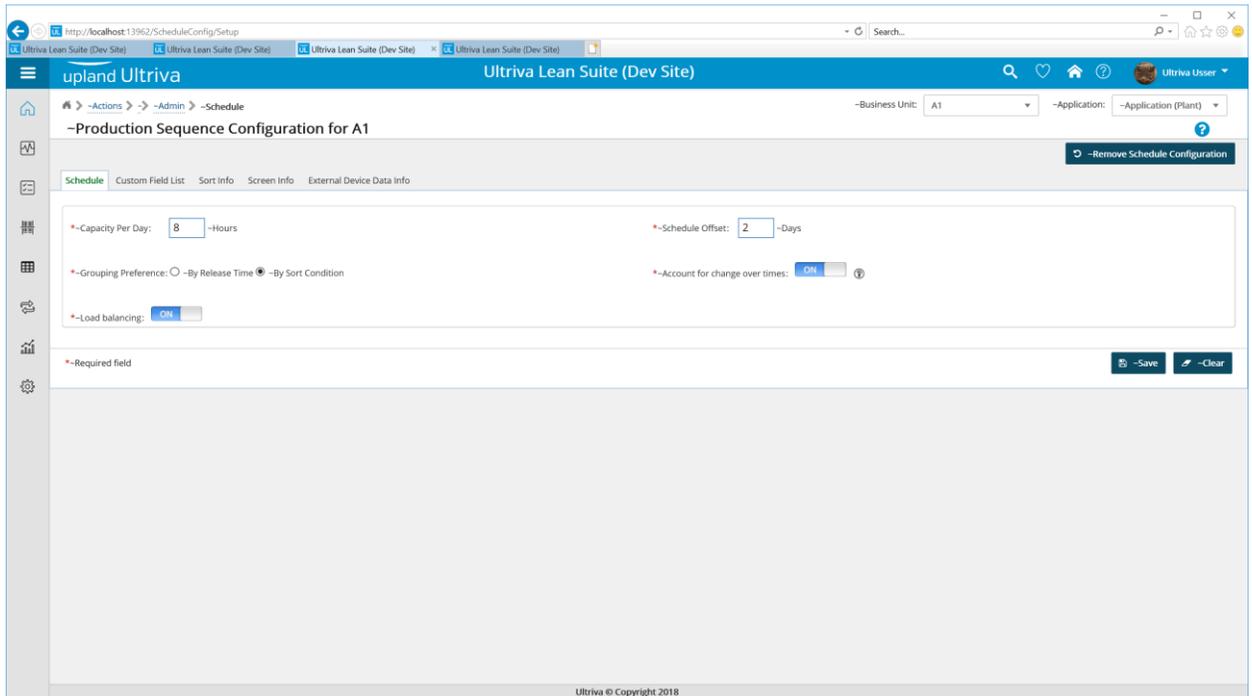
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1 Enhancements

1.1 Load Balancing

Setting Load Balancing on/off added in Schedule configuration screen:

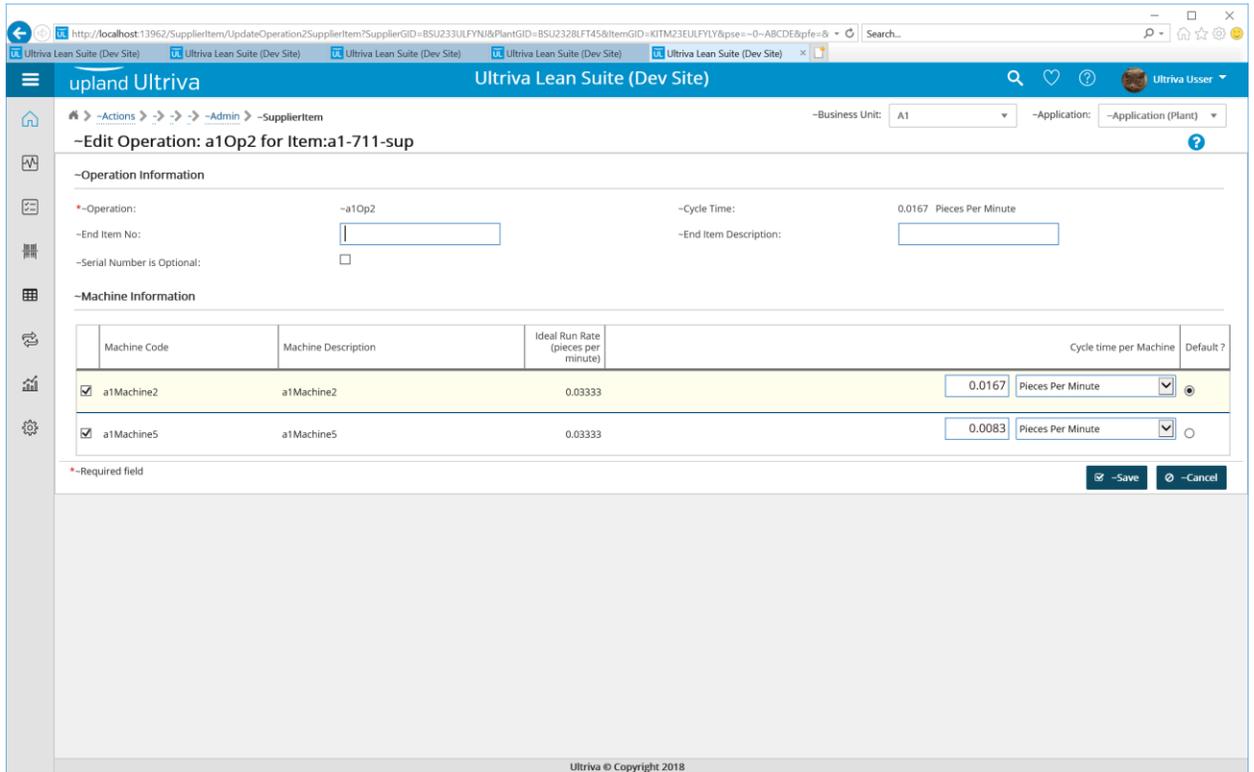


Machine pre-assignment for a job is done at the time the card is accepted and assignment is distributed based on current load level. The initial assignment will be to the machine with the higher ideal run rate. Once that machine reaches capacity, further jobs will be assigned to the next available machine.

For example:

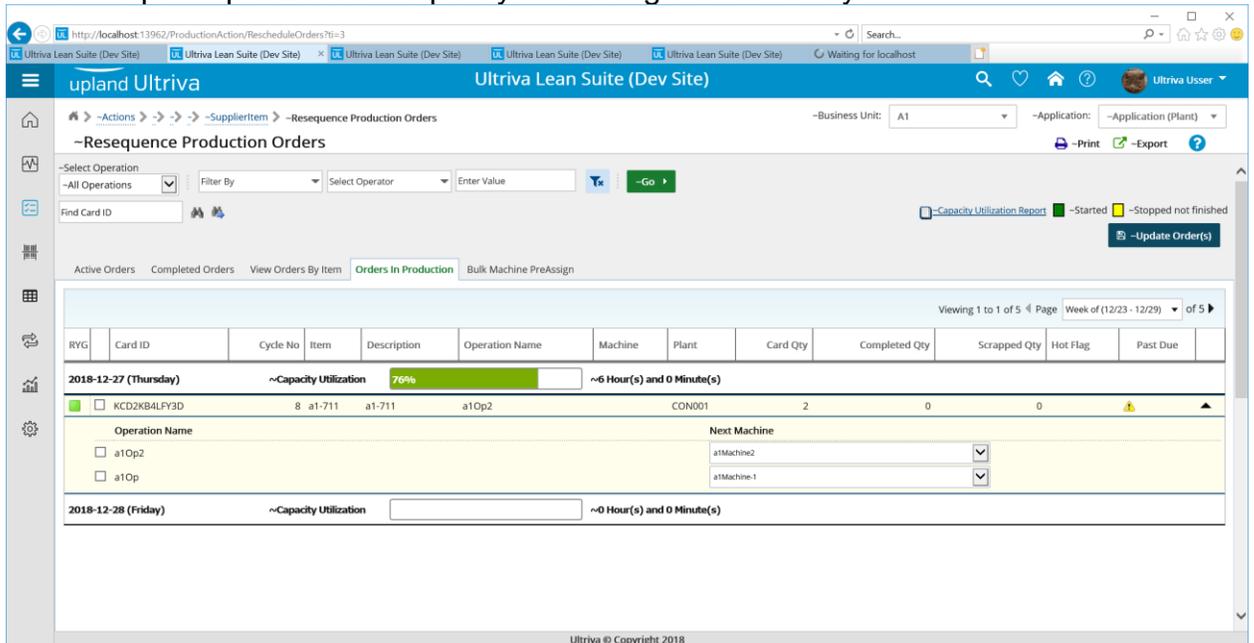
- Business unit capacity per day is 8 hours
- Each card for the item has a quantity of 2 pieces
- Machine1 can complete about 4 orders per day
- First 4 cards will be assigned to Machine1 for this operation
- Machine2's cycle time is half that of Machine1
- Machine2 can complete one unit in 2 hours
- Next 2 orders will be assigned to Machine2
- When this machine at capacity and more orders are sent, all will be assigned to the default machine

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Capacity utilization:

Capacity utilization gets calculated based on preassigned machines for the job. When pre-assigned machine changes (as in previous example) from 1 piece per hour to 1 piece per 2 hours capacity will change dramatically:



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Capacity Utilization Report: Total Capacity: 8 Hours

Viewing 1 to 30 of 32 Page 1 of 2

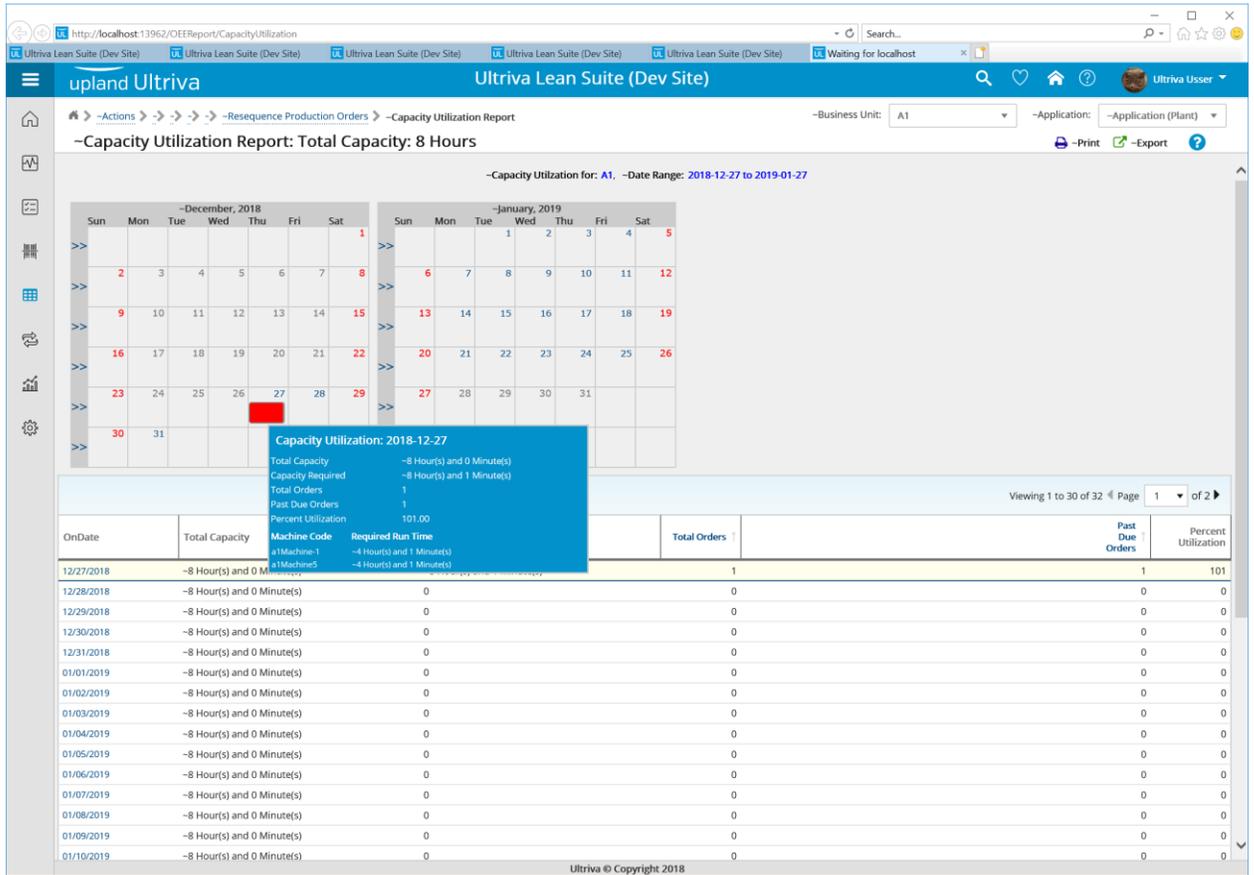
OnDate	Total Capacity	Machine Code	Required Run Time	Total Orders	Past Due Orders	Percent Utilization
12/27/2018	-8 Hour(s) and 0 Minute(s)	a1Machine1 a1Machine2	-4 Hour(s) and 1 Minute(s) -1 Hour(s) and 60 Minute(s)	1	1	76
12/28/2018	-8 Hour(s) and 0 Minute(s)		0	0	0	0
12/29/2018	-8 Hour(s) and 0 Minute(s)		0	0	0	0
12/30/2018	-8 Hour(s) and 0 Minute(s)		0	0	0	0
12/31/2018	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/01/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/02/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/03/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/04/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/05/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/06/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/07/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/08/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/09/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/10/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/11/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/12/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0
01/13/2019	-8 Hour(s) and 0 Minute(s)		0	0	0	0

Change a1Machine2 to a1Machine5:

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The screenshot displays the Ultriva Lean Suite (Dev Site) interface. The main header shows the application name and user information. The navigation breadcrumb indicates the current view is 'Resequence Production Orders'. A notification bar at the top states '-Transaction Completed Successfully'. Below this, there are filters for 'Select Operation' (set to '-All Operations') and 'Find Card ID'. A status bar shows 'Capacity Utilization Report' with 'Started' and 'Stopped not finished' indicators, and an '-Update Order(s)' button. The main content area features a table with columns: RYG, Card ID, Cycle No, Item, Description, Operation Name, Machine, Plant, Card Qty, Completed Qty, Scrapped Qty, Hot Flag, and Past Due. The table is filtered for 'Orders in Production'. A summary row for '2018-12-27 (Thursday)' shows a capacity utilization of 101% and a duration of ~8 Hour(s) and 1 Minute(s). A detailed row for Card ID 'KCD2K84LFY3D' shows 8 cycles of item 'a1-711' at operation 'a1Op2' in plant 'CON001' with a quantity of 2. Below this, a 'Next Machine' section lists 'a1Machine5' and 'a1Machine1'. A summary row for '2018-12-28 (Friday)' shows 0 capacity utilization and 0 duration. The footer indicates 'Ultriva © Copyright 2018'.

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1.2 Bulk machine pre-assign

Default machines can be changed in bulk before the jobs are started on Resequence Production screen.

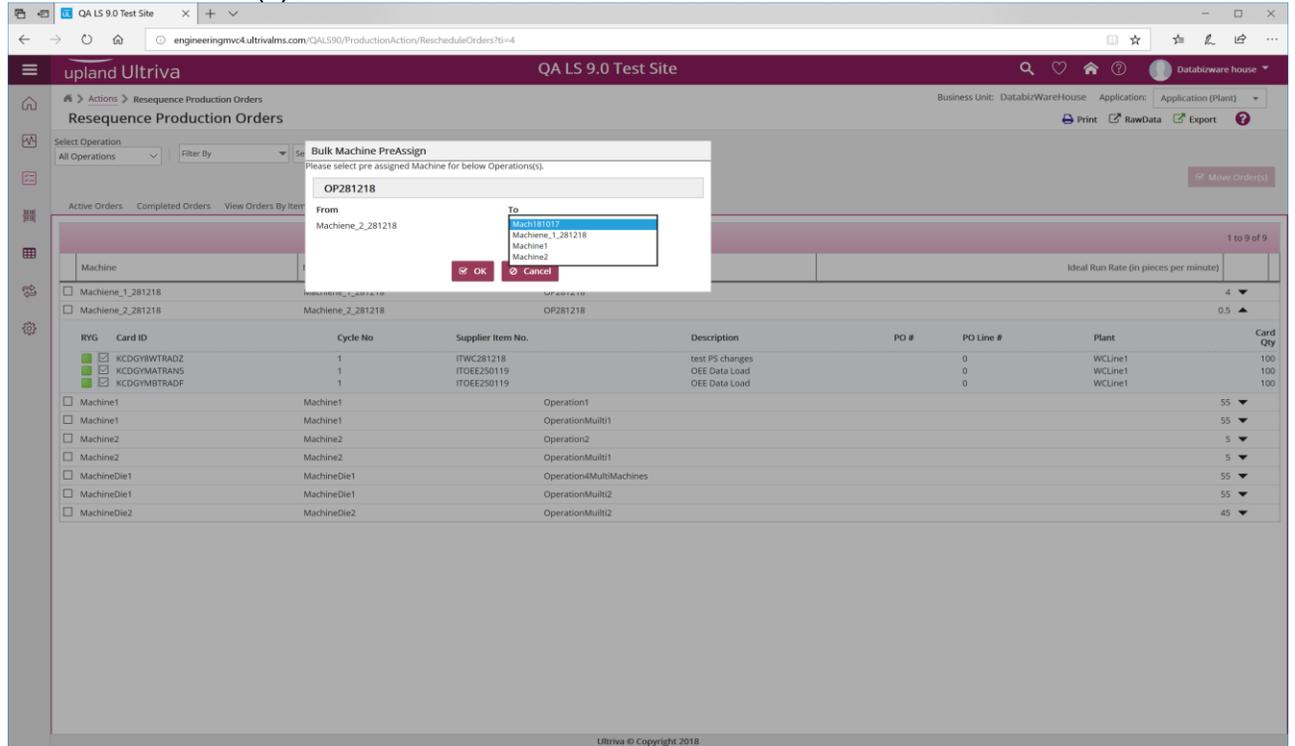
The screenshot shows the 'Resequence Production Orders' interface in Ultriva 9.0. The 'Bulk Machine PreAssign' tab is active, displaying a table of machine assignments. The table has columns for Machine, Machine Description, Operation Name, and Ideal Run Rate. Below this, a detailed table shows RYG, Card ID, Cycle No, Supplier Item No., Description, PO #, PO Line #, Plant, and Card Qty.

Machine	Machine Description	Operation Name	Ideal Run Rate (in pieces per minute)
<input type="checkbox"/> Machine_1_281218	Machine_1_281218	OP281218	4
<input type="checkbox"/> Machine_2_281218	Machine_2_281218	OP281218	0.5

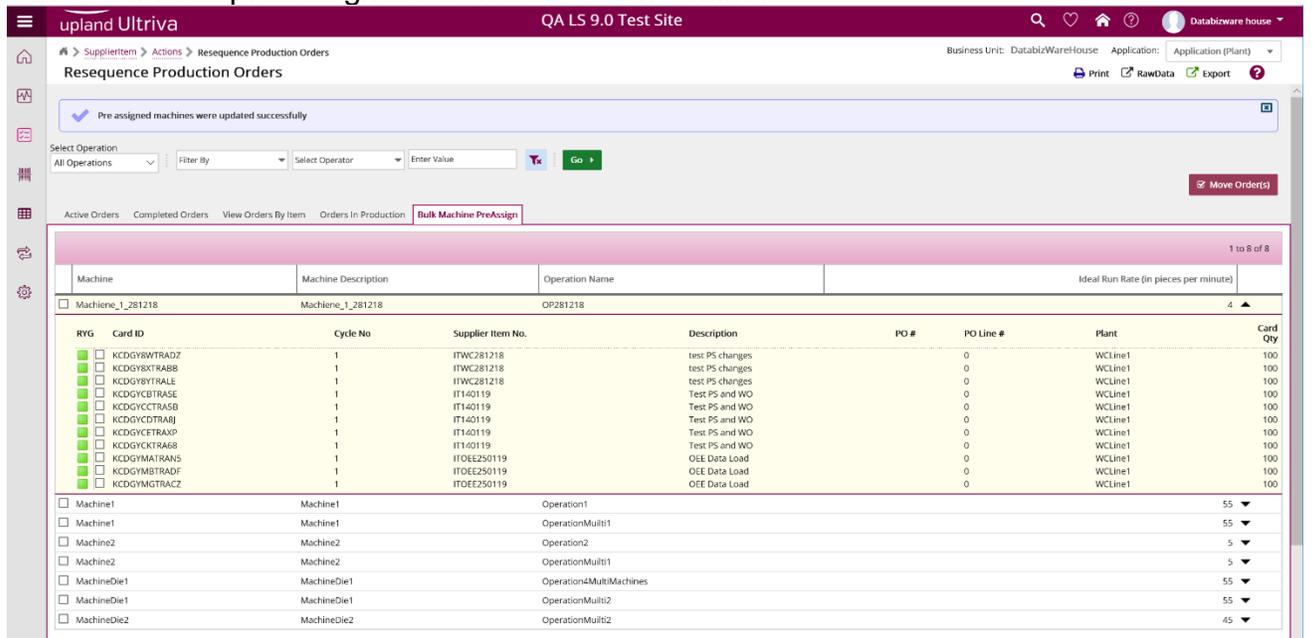
RYG	Card ID	Cycle No	Supplier Item No.	Description	PO #	PO Line #	Plant	Card Qty
<input checked="" type="checkbox"/>	KCDGYBWSTRADZ	1	ITWC281218	test: PS changes		0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYMATRANS	1	ITOE250119	OEE Data Load		0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYMBTRADF	1	ITOE250119	OEE Data Load		0	WCLine1	100
<input type="checkbox"/>	Machine1	Machine1	Operation1					55
<input type="checkbox"/>	Machine1	Machine1	OperationMulti1					55
<input type="checkbox"/>	Machine2	Machine2	Operation2					5
<input type="checkbox"/>	Machine2	Machine2	OperationMulti1					5
<input type="checkbox"/>	MachineDie1	MachineDie1	Operation4MultiMachines					55
<input type="checkbox"/>	MachineDie1	MachineDie1	OperationMulti2					55
<input type="checkbox"/>	MachineDie2	MachineDie2	OperationMulti2					45

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Click Move Order(s) button:



Orders will be pre-assigned to the selected machine:



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1.3 Improvements on OEE Dashboard screen

1.3.1 Show detailed popup on OEE panels

The screenshot shows the Ultriva OEE Dashboard for the QA LS 9.0 Test Site. A detailed popup for 'Mach181017' is displayed, listing various OEE metrics:

- Available Time (in Hours): 0
- Break Time (in Minutes): 0
- Down Time (in minutes): 0.0
- Ideal Run Rate (pieces per minute): 0
- Planned Production Time (in Hours): 0
- Operating Time (in Hours): 0
- Completed Qty: 0
- Units Scrapped: 0
- Total: 0
- OEE:
 - Availability: 0
 - Performance: 0
 - Quality: 0
 - OEE: 0

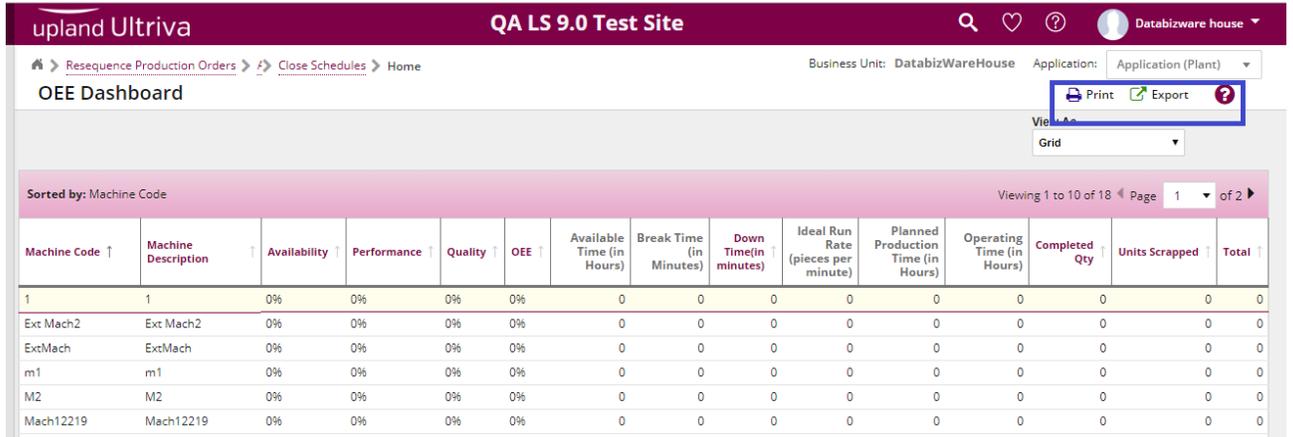
The main dashboard shows OEE panels for Mach181017_1 and Machiene_2_281218, each with digital readouts for Availability (100) and Performance (000).

1.3.2 Add columns with OEE information to grid view.

The screenshot shows the Ultriva OEE Dashboard grid view. The grid is sorted by Machine Code and displays the following columns:

Machine Code	Machine Description	Availability	Performance	Quality	OEE	Available Time (in Hours)	Break Time (in Minutes)	Down Time (in minutes)	Ideal Run Rate (pieces per minute)	Planned Production Time (in Hours)	Operating Time (in Hours)	Completed Qty	Units Scrapped	Total
1	1	0%	0%	0%	0%	0	0	0	0	0	0	0	0	0
Ext Mach2	Ext Mach2	0%	0%	0%	0%	0	0	0	0	0	0	0	0	0
ExtMach	ExtMach	0%	0%	0%	0%	0	0	0	0	0	0	0	0	0
m1	m1	0%	0%	0%	0%	0	0	0	0	0	0	0	0	0
M2	M2	0%	0%	0%	0%	0	0	0	0	0	0	0	0	0
Mach12219	Mach12219	0%	0%	0%	0%	0	0	0	0	0	0	0	0	0
Mach181017	Mach181017	0%	0%	0%	0%	0	0	0	0	0	0	0	0	0

1.3.3 Allow grid view export.



1.4 Improve Production Sequence screen performance

System and database structure changes to improve production sequencing performance.

1.5 PO Terms to be picked from hierarchy

For PO Terms being pulled from the ORG level, the following Hierarchy will be applied:

- Vendor Sites Table
- Vendor Table
- Org Table

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1.6 New "Make this my Homepage" feature

Created a new icon between favorites and help icons that will save the current screen as the user's default home screen.

Admin -> users:

The screenshot shows the 'User List for TCEK-Ram' page. The top navigation bar includes a search icon, a heart icon, a home icon (highlighted with a blue box), a help icon, and a 'QA Team' dropdown. The main content area shows a table of users with columns for Status, User ID, First Name, Last Name, and Email ID. The table is sorted by User ID.

Status	User ID	First Name	Last Name	Email ID
✓	00a	00a	00q1	Not Set
✓	01213	0123	01	Not Set
✓	01newuser	01Newuser	c	Not Set
✓	04226	TST_firstName	TST_LastName	Not Set
✓	06b04	TST_firstName	TST_LastName	Not Set
✓	0ALFuser	0ALFuser	0ALFuser	Not Set
✓	11testes	teesss	tess	Not Set

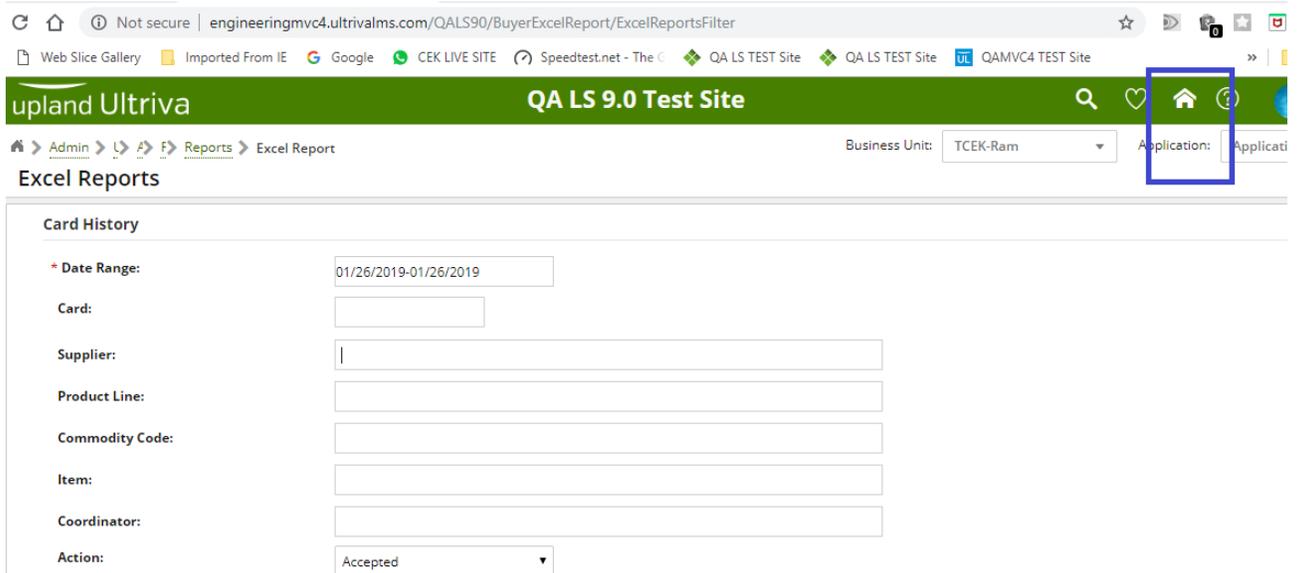
Actions:

The screenshot shows the 'Release Items List' page. The top navigation bar includes a search icon, a heart icon, a home icon (highlighted with a blue box), a help icon, and a 'QA Team' dropdown. The main content area shows a table of release items with columns for RYG, Item, Description, Total Cards, and Total. The table is sorted by Item.

RYG	Item	Description	Total Cards	Total
■		COMMUNICATION SYSTEM QUICK CONNECTION GUIDE	2	0
■	!latest	!latest for default supplier	15	0
■	!@#item1902	new	1	0
■	!@dkitem	new	4	0

Reports -> excel reports:

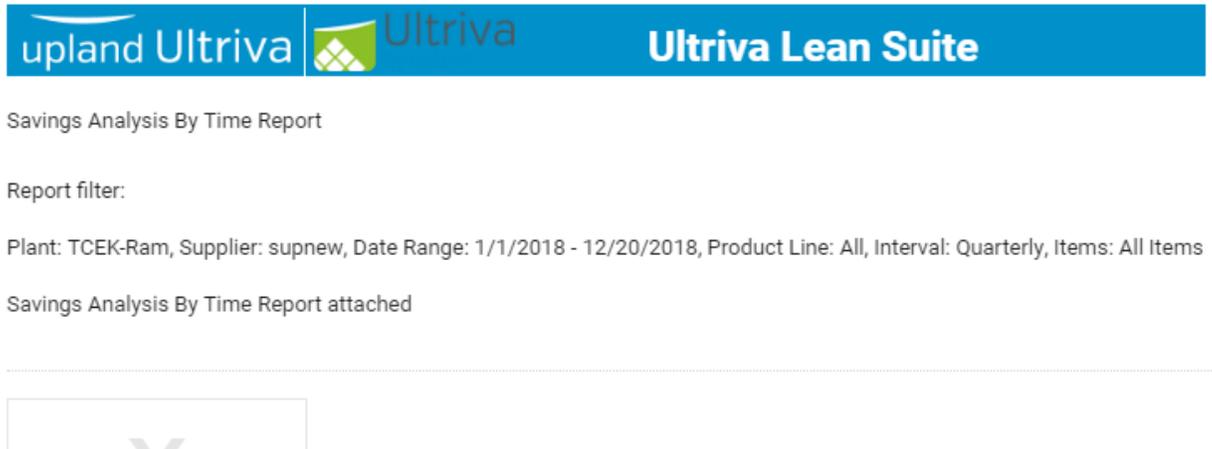
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1.7 Bulk Email Enhancement

Bulk email tool expanded so that it is accessible from the CSR role login and emails may be configured to be sent across the enterprise (multi-plant/multi-supplier, all the users with valid emails).

1.8 Improve scheduled reports mail layout and update logo.



1.9 OEE Data Load Enhancements

Added field Priority, default value is 0. Please note that the user should set the priorities without repeating the same priority. The UI will display the value entered by the user input and, if needed, the values can be edited and corrected.

1.10 Login page re design

Login page was redesigned to follow UplandOne platform standards. The new login page includes the Upland Software privacy policy and a marketing section. The customer's company logo may be embedded on the login screen.

