



Ultriva 9.0 version Release Notes

By Upland Software

Version 1.0

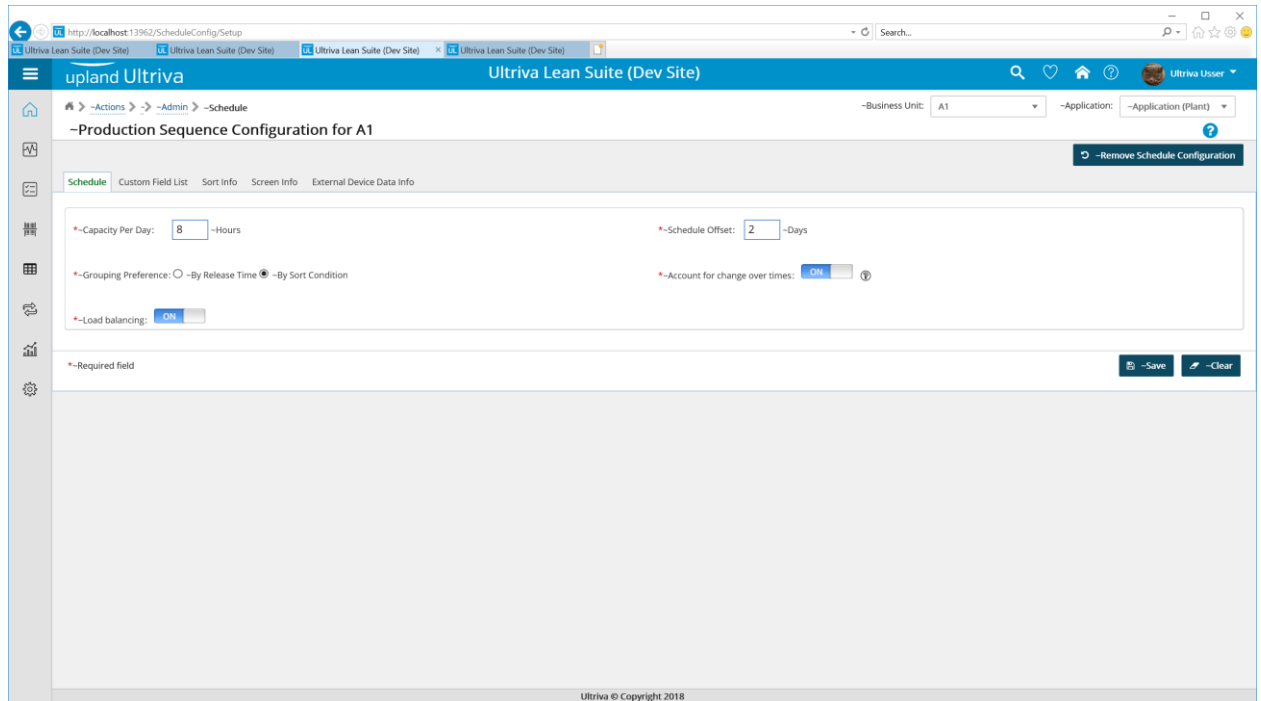
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1 Enhancements

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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upland Ultriva Ultriva Lean Suite (Dev Site)

~Business Unit: A1 ~Application: ~Application (Plant)

~Edit Operation: a1Op2 for Item:a1-711-sup

~Operation Information

*-Operation: ~a1Op2 ~Cycle Time: 0.0167 Pieces Per Minute

~End Item No: ~End Item Description:

~Serial Number is Optional:

~Machine Information

Machine Code	Machine Description	Ideal Run Rate (pieces per minute)	Cycle time per Machine	Default ?
<input checked="" type="checkbox"/> a1Machine2	a1Machine2	0.03333	0.0167 Pieces Per Minute	<input checked="" type="radio"/>
<input checked="" type="checkbox"/> a1Machine5	a1Machine5	0.03333	0.0083 Pieces Per Minute	<input type="radio"/>

*-Required field

~Save ~Cancel

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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:

upland Ultriva Ultriva Lean Suite (Dev Site)

~Business Unit: A1 ~Application: ~Application (Plant)

~Resequence Production Orders

~Select Operation ~All Operations ~Filter By ~Select Operator ~Enter Value ~Go

Find Card ID

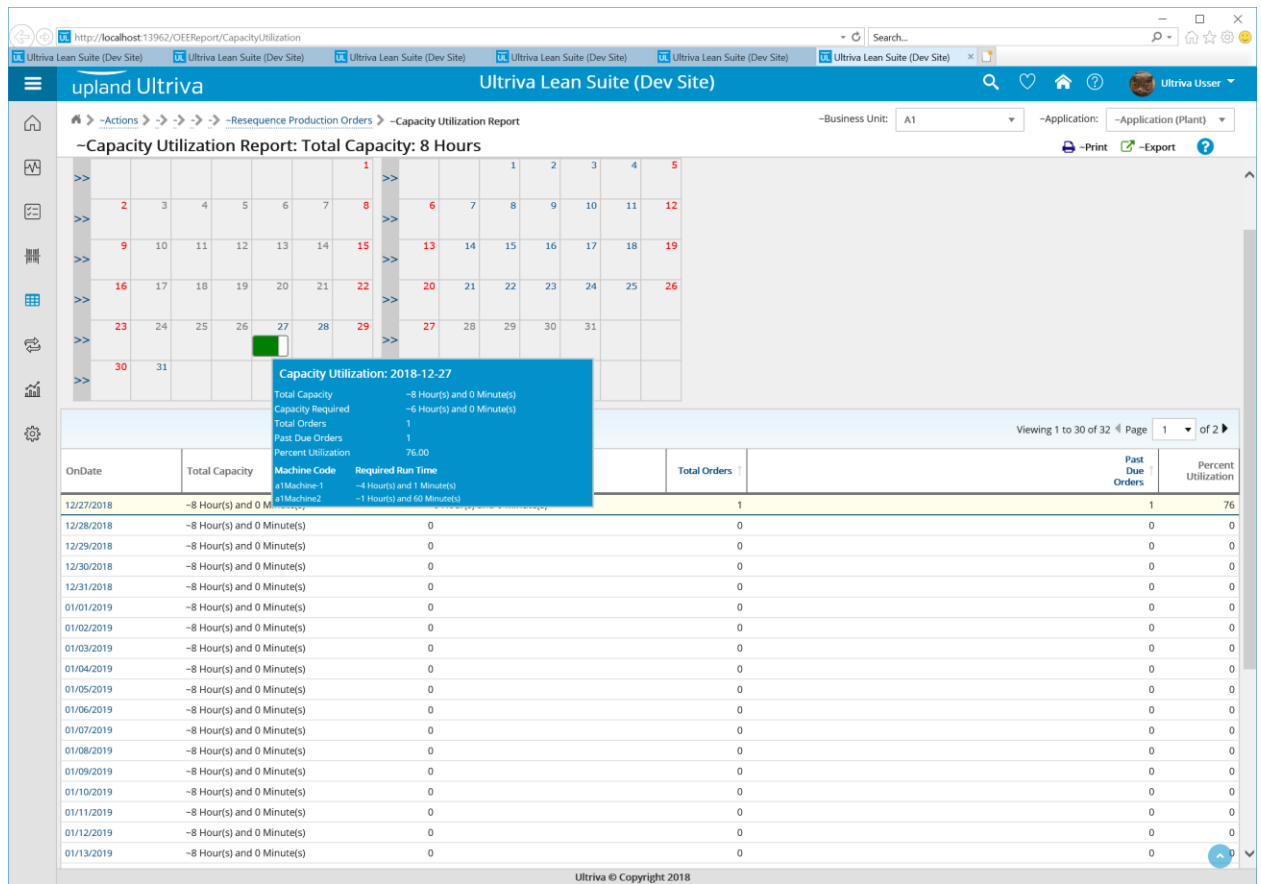
~Capacity Utilization Report ~Started ~Stopped not finished ~Update Order(s)

Active Orders Completed Orders View Orders By Item Orders in Production Bulk Machine Preassign

RYG	Card ID	Cycle No	Item	Description	Operation Name	Machine	Plant	Card Qty	Completed Qty	Scrapped Qty	Hot Flag	Past Due
2018-12-27 (Thursday) ~Capacity Utilization 76% ~6 Hour(s) and 0 Minute(s)												
<input checked="" type="checkbox"/>	KCDZKBALPY3D	8	a1-711	a1-711	a1Op2	CON001		2	0	0		
Operation Name Next Machine												
<input type="checkbox"/> a1Op2 a1Machine2												
<input type="checkbox"/> a1Op a1Machine1												
2018-12-28 (Friday) ~Capacity Utilization ~0 Hour(s) and 0 Minute(s)												

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Change a1Machine2 to a1Machine5:

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~Business Unit: A1 ~Application: ~Application (Plant)

~Resequence Production Orders

~Transaction Completed Successfully

~Select Operation
~All Operations Filter By Select Operator Enter Value ~Go

Find Card ID

~Capacity Utilization Report ~Started ~Stopped not finished ~Update Order(s)

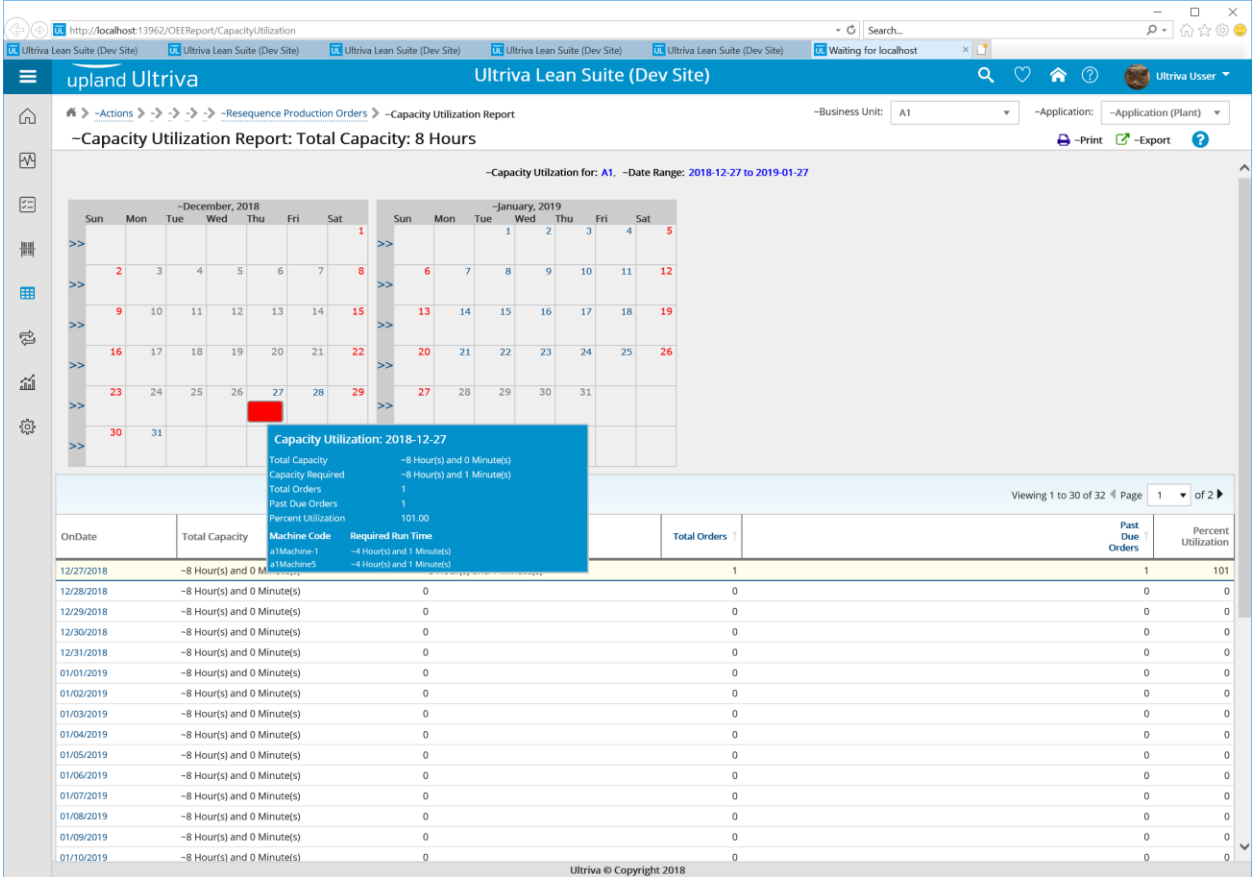
Active Orders Completed Orders View Orders By Item Orders In Production Bulk Machine PreAssign

Viewing 1 to 1 of 5 Page Week of (12/23 - 12/29) of 5

RYG	Card ID	Cycle No	Item	Description	Operation Name	Machine	Plant	Card Qty	Completed Qty	Scrapped Qty	Hot Flag	Past Due
2018-12-27 (Thursday) ~Capacity Utilization 101% ~8 Hour(s) and 1 Minute(s)												
	KCD2KB4LFY3D	8	a1-711	a1-711	a1Op2	CON001		2	0	0		
Operation Name						Next Machine						
<input type="checkbox"/> a1Op2						<input type="checkbox"/> a1Machine5						
<input type="checkbox"/> a1Op						<input type="checkbox"/> a1Machine1						
2018-12-28 (Friday) ~Capacity Utilization ~0 Hour(s) and 0 Minute(s)												

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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 displays the 'Resequence Production Orders' interface in the Ultriva 9.0 application. The top navigation bar includes the 'upland Ultriva' logo, 'QA LS 9.0 Test Site', and user information. The main header shows 'Business Unit: DatabizWareHouse' and 'Application: Application (Plant)'. The left sidebar contains navigation icons. The main content area has a 'Resequence Production Orders' title and a 'Bulk Machine PreAssign' tab selected. Below the tab, there are filters for 'Select Operation' (All Operations), 'Filter By', 'Select Operator', and 'Enter Value'. A 'Go' button is present. The main table lists production orders with columns: Machine, Machine Description, Operation Name, and Ideal Run Rate (in pieces per minute). The table shows two orders: 'Machine_1_281218' and 'Machine_2_281218'. Below the table, there is a detailed view of the selected order, showing columns: RYG, Card ID, Cycle No, Supplier Item No., Description, PO #, PO Line #, Plant, and Card Qty. The detailed view shows three cards: 'KCDGY8WTRADZ', 'KCDGYMATRANS', and 'KCDGYMBTRADF'. Each card has a 'Cycle No' of 1 and a 'Card Qty' of 100. The 'Description' column shows 'test: PS changes', 'OEE Data Load', and 'OEE Data Load'. The 'Plant' column shows 'WCLine1' for all three cards. Below the detailed view, there is a list of machines and operations with checkboxes and 'Card Qty' values.

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"/>	KCDGY8WTRADZ	1	ITWC281218	test: PS changes	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYMATRANS	1	ITOE250119	OEE Data Load	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYMBTRADF	1	ITOE250119	OEE Data Load	0	0	WCLine1	100

Machine	Machine Description	Operation Name	Card Qty
<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:

The screenshot shows the 'Bulk Machine PreAssign' dialog box in the Ultriva 9.0 Test Site. The dialog prompts the user to select a pre-assigned machine for the operation OP281218. The 'From' field shows 'Machine_2_281218' and the 'To' field shows a list of machines including 'Machine_1_281218', 'Machine1', and 'Machine2'. The background shows the 'Resequence Production Orders' screen with a table of orders and machines.

Machine	Machine Description	Operation Name	Ideal Run Rate (in pieces per minute)
Machine_1_281218	Machine_1_281218	OP281218	4
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"/>	KCDGY8WTRADZ	1	ITWC281218	test PS changes	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYMATRANS	1	ITOE250119	OEE Data Load	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYMBTRADF	1	ITOE250119	OEE Data Load	0	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

Orders will be pre-assigned to the selected machine:

The screenshot shows the 'Bulk Machine PreAssign' dialog box in the Ultriva 9.0 Test Site. The dialog prompts the user to select a pre-assigned machine for the operation OP281218. The 'From' field shows 'Machine_2_281218' and the 'To' field shows a list of machines including 'Machine_1_281218', 'Machine1', and 'Machine2'. The background shows the 'Resequence Production Orders' screen with a table of orders and machines.

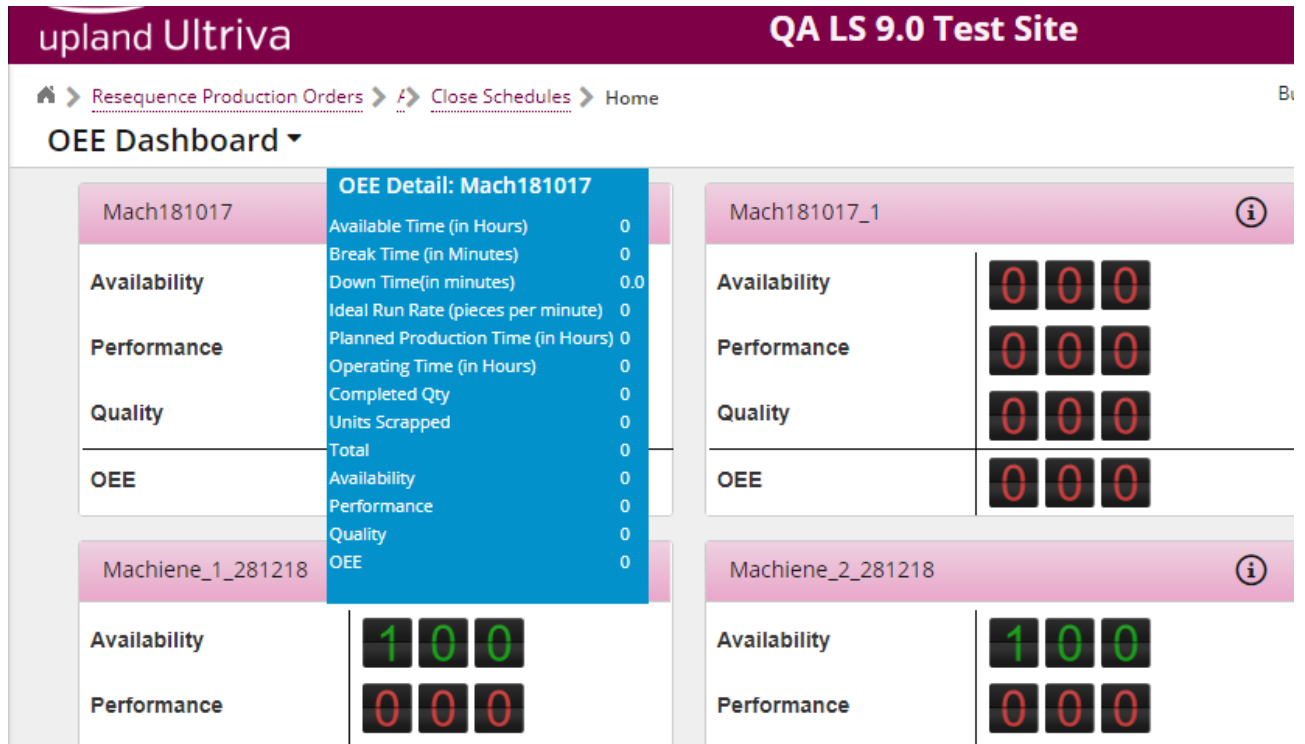
Machine	Machine Description	Operation Name	Ideal Run Rate (in pieces per minute)
Machine_1_281218	Machine_1_281218	OP281218	4
Machine_2_281218	Machine_2_281218	OP281218	0.5

RYG	Card ID	Cycle No	Supplier Item No.	Description	PO #	PO Line #	Plant	Card Qty
<input checked="" type="checkbox"/>	KCDGY8WTRADZ	1	ITWC281218	test PS changes	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGY8XTRAB8	1	ITWC281218	test PS changes	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGY8YTRALE	1	ITWC281218	test PS changes	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYC8TRASE	1	IT140119	Test PS and WO	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYC8TRASB	1	IT140119	Test PS and WO	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYC8TRARJ	1	IT140119	Test PS and WO	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYC8TRAXP	1	IT140119	Test PS and WO	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYC8TRAG8	1	IT140119	Test PS and WO	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYMATRANS	1	ITOE250119	OEE Data Load	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYMBTRADF	1	ITOE250119	OEE Data Load	0	0	WCLine1	100
<input checked="" type="checkbox"/>	KCDGYMGTRACZ	1	ITOE250119	OEE Data Load	0	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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1.3 Improvements on OEE Dashboard screen

1.3.1 Show detailed popup on OEE panels



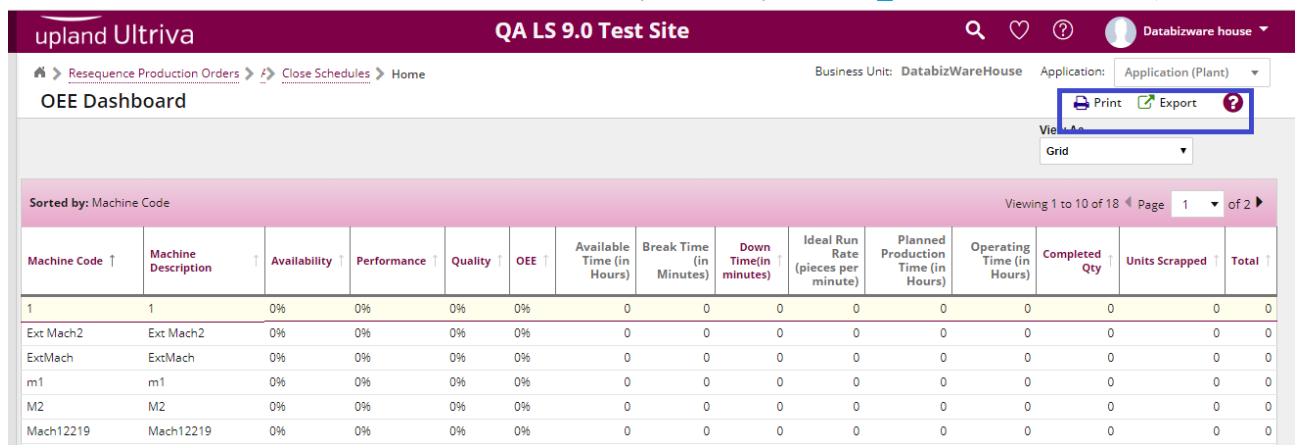
1.3.2 Add columns with OEE information to grid view.

The screenshot shows the 'OEE Dashboard' in grid view. The table displays OEE information for multiple machines, including Machine Code, Machine Description, Availability, Performance, Quality, OEE, Available Time, Break Time, Down Time, Ideal Run Rate, Planned Production Time, Operating Time, Completed Qty, Units Scrapped, and Total. The data is sorted by Machine Code.

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

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1.3.3 Allow grid view export.



The screenshot shows the 'upland Ultriva QA LS 9.0 Test Site' interface. The main heading is 'OEE Dashboard'. Below the heading, there's a table with 15 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, and Total. The table is sorted by Machine Code. A callout box highlights the 'Print' and 'Export' buttons in the top right corner of the table area.

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

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:

QA LS 9.0 Test Site

Admin > User

Business Unit: TCEK-Ram

User List for TCEK-Ram

Filter By: Select Operator: Enter Value: Go

Find User ID: Add Edit Disable View More Options

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:

QA LS 9.0 Test Site

Admin > Actions > Release

Business Unit: TCEK-Ram

Release Items List

Supplier: All Suppliers Cards: All Show: Items List Category: All RYG: Red, Yellow, Green

Filter By: Select Operator: Enter Value: Go

Find Item: Show Cards

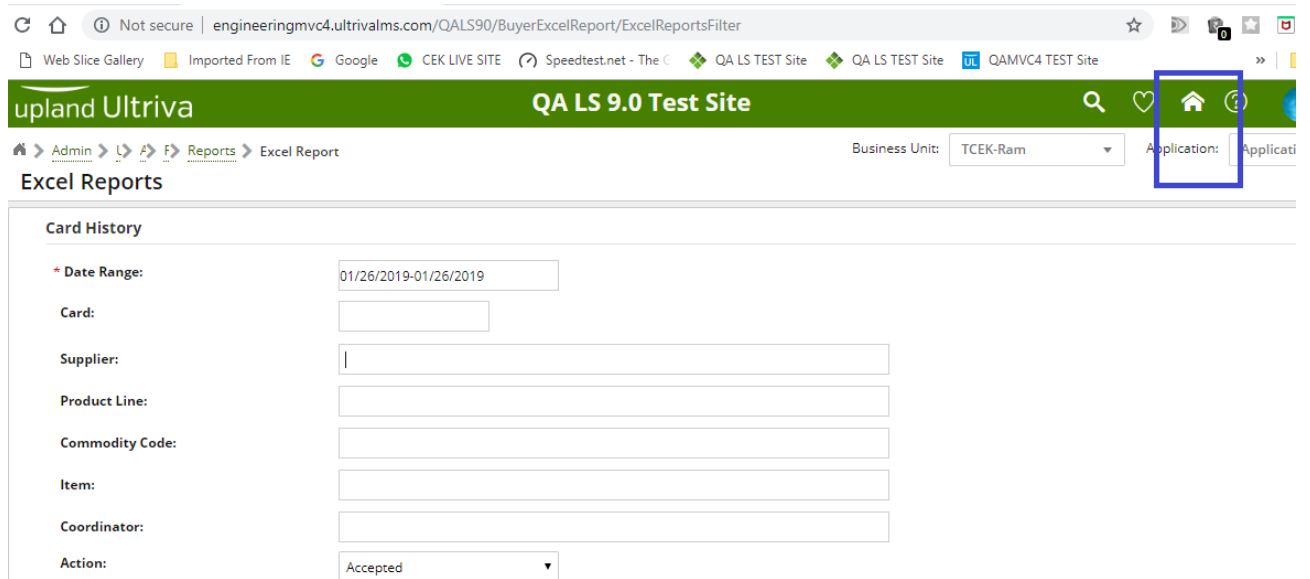
Sorted by: Item

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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:

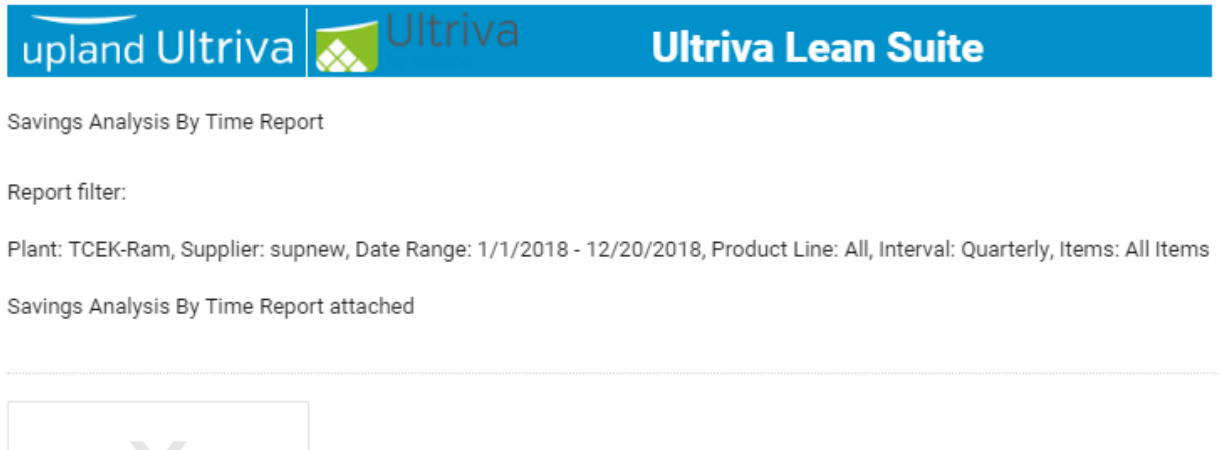
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1.7 Bulk Email Enhancement

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.

