

Operation Manual

Company - Beta Computronics Pvt.Ltd.

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Version Number - PMS1702

The Complete Operation Manual is here. You can take a print out of this manual for your reference. Use the following links to navigate in help manual.

No password is required to access these menus.

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Main Page

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Current Report

REPORT UPDATED ON - Tue Apr 18 15:48:07 2017 SYSTEM START TIME - Tue Apr 18 15:23:33 2017 SCAN TIME - 4 Seconds

Machine Details						Current Hour Report			
Machine	W.S.	Quality	Order	Operator	Unit	Report Period	On time/Prod	T.E.%	P.E.%
LM001	80	Good	Beta21	John	Meter	18APR-15:00 18APR-15:48	160.0	29%	150%
LM002	96	Good	Beta21	Amar	Meter	18APR-14:59 18APR-15:48	58.1	29%	58%
RM003	69	Fine	Alpha22	Rajat	MM	18APR-14:40 18APR-14:40	0.0	0%	0%
TM004	94	NotSet	NotSet	Mohan	Minute	18APR-14:59 18APR-15:48	49.0	100%	2%
UT005	88	Nice	Toy50	Rajan	MM	18APR-14:59 18APR-15:48	0.0	0%	0%
UTILITY1	84	NotSet	NotSet	NotSet	Kw	18APR-14:59 18APR-15:48	1.77	33%	5%
UTILITY2	84	NotSet	NotSet	NotSet	Watt	18APR-15:00 18APR-15:48	22.3	25%	7%
VT006	89	NotSet	110022	Mohan	Piece	18APR-15:00 18APR-15:48	134190	55%	150%
XZ007	89	NotSet	110022	NotSet	Unit	18APR-14:38 18APR-15:45	132	10%	69%

Legend:- W.S. - Wireless Signal Strength, O.T. - Machine On Time, T.E.% - Time Efficiency, P.E.% Production Efficiency

Machine Status

Total Machines 9	Running Machine 6	Stopped Machine 1	Offline Machine 1	Disabled Machine 1
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A System By Beta Computronics Pvt. Ltd.

Main Page - Since you can see this page, you have successfully established net connection to Web Interface Unit. The top bar is a menu bar. All the menu are accessible from here.

Status report - It will show you a condensed form of report on single page. The report has 80 boxes, each one representing a machine. The top text in box is machine number and bottom text is production, which can be selected in Setup report menu. The colour of box will tell you the status of machine as under.

Green - Machine is on and production is on.

Yellow - Machine is on, but production is stopped.

Red - The machine is off and there is no communication with sensor.

Grey - The Sensor is disabled, as there was no communication with sensor.

Old Reports -The Web Interface Unit will save 64 reports in all categories of hour, shift, day and month. You can view these reports to find the problem with machine.

Order Report -If you have set order data and assigned to machines then you can see the order reports. It will give you complete status of the order. If you have used batch management then, you will get order details batch wise also.

Performance Report -The performance report will give you performance of machine and operator, based on hour, shift, day and month reports.

Group & Utility Report -The Group and Utility report will give you production and other data of group of machines, based on hour, shift, day and month reports.

Minute Report - You can view production data minute by minute for a particular hour in current day. Please note that this data will be available for current day only.

Setup Menu -This will give access to all setting related to system performance. You will need admin password to access this menu. The user name is admin and for password refer printed copy of manual.

User Menu -This will give access to all operational management. You can assigns machine to operator and order. It also provided order and batch management. You will need user password to access this menu. The user name is user and for password, refer printed copy of manual.

Below the menu bar you will see complete reports of the all machine. You can select the type (hour, shift, day or month) of report to be displayed in Setup report menu.

Machine - This is a given machine name and set during the installation of sensor in Setup Sensor menu. This name should be unique and can not be repeated.

W.S. - This shows the wireless signal strength of sensor. Higher the value, sensor will be near the Web Interface Unit, and lower the value sensor is away from Web Interface unit.

Quality - This field can be used by user to show the type of product. This can be set in Order menu. It will be displayed as it is, but maximum character permitted is 8.

Order - If you have assigned any order to machine, the order number will be shown here.

Operator - If you have assigned operator to machine, the name will be shown here. The operator name will change automatically, when shift changes.

Unit - This is measuring unit, as set in Setup Sensor menu.

Report Period - This is the start and end time of report. If you find any discrepancy in production, efficiency then report period will help you to find the discrepancy.

Production - This is the production during the report period (hour, shift, day and month).

T.E % - This time efficiency calculated on machine on time and machine off time. When sensor is off line or disabled, then accuracy of this value is not correct.

P.E % - This is production efficiency. To get the correct efficiency you will have to enter target production in Assign Order to machine menu.

The main report has one row per machine. The colour of row will show you the status of machine as under.

Green - Machine is on and production is on.

Yellow - Machine is on, but production is stopped.

Red - The machine is off and there is communication with sensor.

Grey - The Sensor is disabled, as there was no communication with sensor.

Important Tips

1. If you are not interested in actual production value, but only status of machine, switch to Status Report.
2. Time efficiency and Production efficiency are important factors. Normally both value should be same and near 100%
3. If both efficiencies are low, then machine was not run to full capacity and indicate some break down.
4. If Time efficiency is high and Production efficiency is low, then machine was switched off or machine was run at low speed.
5. If Time efficiency is low and Production efficiency is high, then machine was run at high speed, or there is some tempering with sensor.

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Status Report

The Status report is a condensed form of report, where status of all machine is shown on one page.

Company - Beta Computronics Pvt. Ltd.

Main Page	Status Report	Old Report	Order Report	Performance Report	Group & Utility Report	Minute Report	Setup Menu	User Menu	Help
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Status Reports with Hour Production. Updated on - Sat Jul 23 15:51:41 2016

LM001 21.120	LM002 106.7	RM003 2599.7	ST004 62	TM005 51.5	TM006 0	UTILITY1 2.02
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Machine Status

Total Machines 7	Running Machine 4	Stopped Machine 1	Offline Machine 1	Disabled Machine 1
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Old Report

The Web Interface Unit will save 64 reports in all categories of hour, shift, day and month. These reports are also available in CSV format, which can be opened in excel sheet.

Main Page	Status Report	Old Report	Order Report	Performance Report	Group & Utility Report	Minute Report	Setup Menu	User Menu	Help
Old Reports.									
Click for Hour Report Click for Shift Report Click for Day Report Click for Month Report									
Old Hour Report					Old Hour CSV Files				
Hour Report 1 updated on Sat Jul 23 15:00:07 IST 2016					CSV File 1 updated on Sat Jul 23 15:00:07 IST 2016				
Hour Report 2 updated on Sat Jul 23 14:00:07 IST 2016					CSV File 2 updated on Sat Jul 23 14:00:07 IST 2016				
Hour Report 3 updated on Sat Jul 23 13:00:07 IST 2016					CSV File 3 updated on Sat Jul 23 13:00:07 IST 2016				
Hour Report 4 updated on Sat Jul 23 12:00:07 IST 2016					CSV File 4 updated on Sat Jul 23 12:00:07 IST 2016				
Hour Report 5 updated on Sat Jul 23 11:00:10 IST 2016					CSV File 5 updated on Sat Jul 23 11:00:10 IST 2016				
Hour Report 6 updated on Fri Jul 22 19:00:08 IST 2016					CSV File 6 updated on Fri Jul 22 19:00:08 IST 2016				
Hour Report 7 updated on Fri Jul 22 18:00:10 IST 2016					CSV File 7 updated on Fri Jul 22 18:00:10 IST 2016				
Hour Report 8 updated on Fri Jul 22 17:00:08 IST 2016					CSV File 8 updated on Fri Jul 22 17:00:08 IST 2016				
Hour Report 9 updated on Fri Jul 22 16:00:05 IST 2016					CSV File 9 updated on Fri Jul 22 16:00:05 IST 2016				
Hour Report 10 updated on Fri Jul 22 15:00:09 IST 2016					CSV File 10 updated on Fri Jul 22 15:00:09 IST 2016				
Hour Report 11 updated on Fri Jul 22 14:00:07 IST 2016					CSV File 11 updated on Fri Jul 22 14:00:07 IST 2016				
Hour Report 12 updated on Fri Jul 22 13:00:09 IST 2016					CSV File 12 updated on Fri Jul 22 13:00:09 IST 2016				
Hour Report 13 updated on Fri Jul 22 12:00:09 IST 2016					CSV File 13 updated on Fri Jul 22 12:00:09 IST 2016				
Hour Report 14 updated on Fri Jul 22 11:00:10 IST 2016					CSV File 14 updated on Fri Jul 22 11:00:10 IST 2016				
Hour Report 15 updated on Fri Jul 22 10:00:06 IST 2016					CSV File 15 updated on Fri Jul 22 10:00:06 IST 2016				
Hour Report 16 updated on Fri Jul 22 09:00:08 IST 2016					CSV File 16 updated on Fri Jul 22 09:00:08 IST 2016				
Hour Report 17 updated on Thu Jul 21 19:00:11 IST 2016					CSV File 17 updated on Thu Jul 21 19:00:11 IST 2016				
Hour Report 18 updated on Thu Jul 21 18:00:07 IST 2016					CSV File 18 updated on Thu Jul 21 18:00:07 IST 2016				
Hour Report 19 updated on Thu Jul 21 17:00:11 IST 2016					CSV File 19 updated on Thu Jul 21 17:00:11 IST 2016				
Click to Go Up									
Old Shift Report					Old Shift CSV Files				
Shift Report 1 updated on Sat Jul 23 15:30:05 IST 2016					CSV File 1 updated on Sat Jul 23 15:30:05 IST 2016				
Click to Go Up									
Old Day Report					Old Day CSV Files				
Click to Go Up									
Old Month Report					Old Month CSV Files				
Click to Go Up									

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Order Report

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Order Report

Select Order Code

Click here for report [Generate Order Report](#)

SrNo	Machine	Order	Start	end	On time/Prod	Time Effi.%	Prod. Effi%	Status
1	LM001	Beta21	21JUL-17:35	22JUL-11:41	60.720	0%	2%	Complete
2	LM002	Beta21	21JUL-17:36	22JUL-11:42	10881.6	25%	150%	Complete
3	LM001	Beta21	22JUL-11:41	22JUL-11:42	0.000	0%	0%	Complete
4	LM001	Beta21	22JUL-11:42	Running	147.312	0%	1%	Running...
5	LM002	Beta21	22JUL-11:42	Running	18398.2	30%	150%	Running...
Total					29487.832			

Order Summary

Order Number	Beta21
Company Name	Beta computronics
Order Quality	good
Order Colour	blue
Order Quantity	200000
Ready Qauntity	29487.832
Balance Qauntity	170512.168

[Download csv File.](#)

If you have set order data and assigned to machines then you can see the order reports. It will give you complete status of the order. If you have used batch management then, you will get order details batch wise also.

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Performance Report

The performance report will give you performance of machine and operator, based on hour, shift, day and month reports.

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Main Page	Status Report	Old Report	Order Report	Performance Report	Group & Utility Report	Minute Report	Setup Menu	User Menu	Help
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Performance Report

Select Machine Number	TM004	Select Operator Code	
Select Report type	hour	Select Report type	
Start Report Number	1	Number Of Reports	19
Start Report Number		Number Of reports	
Click here for machine report	Generate Machine Report	Click here for operator report	Generate Operator Report

Performance report for Machine TM004 - hour

Rep.No.	Machine	W.S.	Quality	Order	Operator	Unit	Period	On time/Prod	T.E.% OR O.T.	P.E.%
1	TM004	93	NotSet	NotSet	Mohan	Minute	18APR-17:00 18APR-18:00	40.1	56%	1%
2	TM004	95	NotSet	NotSet	Mohan	Minute	18APR-16:00 18APR-17:00	60.0	100%	2%
3	TM004	91	NotSet	NotSet	Mohan	Minute	18APR-14:59 18APR-16:00	60.9	100%	2%
4	TM004	93	NotSet	NotSet	NotSet	Minute	18APR-14:00 18APR-14:59	58.9	98%	2%
5	TM004	77	NotSet	NotSet	NotSet	Minute	18APR-13:00 18APR-14:00	60.0	100%	2%
6	TM004	81	NotSet	NotSet	NotSet	Minute	18APR-12:59 18APR-13:00	0.3	0%	0%
Total								280.2		

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Group & Utility Report

The Group and Utility report will give you production and other data of group of machines, based on hour, shift, day and month reports.

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Main Page	Status Report	Old Report	Order Report	Performance Report	Group & Utility Report	Minute Report	Setup Menu	User Menu	Help
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Group Report with Utility Consumption

Select Group	Group1
Select Report type	hour
Start report number	
Number of reports	
Click here for group report	Generate Group Report

Group1 Group report Number 1 - for hour

Rep.No.	Machine	W.S.	Quality	Order	Operator	Unit	Period	On time/Prod	T.E.% OR O.T.	P.E.%
1	LM001	77	Good	Beta21	John	Meter	18APR-14:00 18APR-15:00	8.4	3%	7%
2	LM002	92	Good	Beta21	NotSet	Meter	18APR-14:00 18APR-14:59	11.6	0%	9%
3	RM003	69	Fine	Alpha22	NotSet	MM	18APR-14:00 18APR-14:40	0.0	0%	0%
4	XZ007	88	NotSet	110022	NotSet	Unit	18APR-14:00 18APR-14:38	133	1%	80%
5	UTILITY1	88	NotSet	NotSet	NotSet	Kw	18APR-14:00 18APR-14:59	0.10	0%	0%
							Total Production	153		
							Average Consumption	0.00		

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Minute Report

You can view production data minute by minute for a particular hour in current day. This data will be available for current day only.

Minute Report

Select Machine Name	RM003
Select hour	12
Click here for minute report	Generate Minute Report

Rep.No.	Machine	Record Time	On time/Prod in MM
1	RM003	23JUL-12:02:05	51.5
2	RM003	23JUL-12:03:02	51.5
3	RM003	23JUL-12:04:02	51.5
4	RM003	23JUL-12:05:02	51.5
5	RM003	23JUL-12:06:02	51.5
6	RM003	23JUL-12:07:02	51.5
7	RM003	23JUL-12:08:02	51.5
8	RM003	23JUL-12:09:02	51.5
9	RM003	23JUL-12:10:02	38.6
10	RM003	23JUL-12:11:05	64.3
11	RM003	23JUL-12:12:01	38.6
12	RM003	23JUL-12:13:02	51.5
13	RM003	23JUL-12:14:03	51.5
14	RM003	23JUL-12:15:04	51.5
15	RM003	23JUL-12:16:00	51.5
16	RM003	23JUL-12:17:01	51.5
17	RM003	23JUL-12:19:04	103.0
18	RM003	23JUL-12:20:00	38.6
19	RM003	23JUL-12:21:01	51.5
20	RM003	23JUL-12:22:02	51.5
21	RM003	23JUL-12:23:03	51.5
22	RM003	23JUL-12:24:04	51.5

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Admin Password

The system has two user namely admin and user. The admin can change all the parameter and settings, and user can change few parameters, which are not critical to system. So be very careful, when you log in as admin user. The password for admin and user are provided in manual. These passwords can be changed in system menu, and reset if required.

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Current Report
 REPORT UPDATED ON - Tue Apr 18 15:53:07 2017 SYSTEM START TIME - Tue Apr 18 15:23:33 2017 SCAN TIME - 4 Seconds

Machine	W.S.	Quality								
LM001	89	Good	B							
LM002	92	Good	B							
RM003	69	Fine	A							
TM004	92	NotSet	N							
UT005	86	Nice	T							
UTILITY1	88	NotSet	N							
UTILITY2	82	NotSet	NotSet	NotSet	Watt	18APR-15:00	18APR-15:53	22.3	25%	8%
VT006	96	NotSet	110022	Mohan	Piece	18APR-15:00	18APR-15:53	134190	50%	150%
XZ007	89	NotSet	110022	NotSet	Unit	18APR-14:38	18APR-15:45	132	9%	64%

Legend: - W.S. - Wireless Signal Strength, O.T. - Machine On Time, T.E.% - Time Efficiency, P.E.% Production Efficiency

Machine Status

Total Machines 9	Running Machine 1	Stopped Machine 6	Offline Machine 1	Disabled Machine 1
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Setup Sensor

This is very important menu. You need to setup sensor accurately. Any mistake here will give you garbage reports. Please pay attention to production per pulse.

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Current RF Channel is 1.

Enter Sensor Data.

STATUS:-

Serial Number	Sensor Number	Machine Name	Production / pulse	No pulse period	Measuring Unit	No. of Decimal	Status
1	30001	LM001	0.528	60	Meter	1	
2	30003	LM002	0.528	60	Meter	1	
3	40002	LM402	10	60	piece	0	
4	30004	RM003	12.87	60	MM	1	
5	30007	TM004	0.0167	60	Minute	1	
6	40001	UT005	1	60	MM	1	
7	40006	UTILITY1	0.01	60	Kw	2	
8	40010	UTILITY2	0.1	60	Watt	1	
9	40003	XZ007	1	60	Unit	0	

Enter Data

[Get Original Value](#)

[Add Or Modify Sensor](#)

[Check Sensor](#) This will take some time.

WARNING - Deleting a sensor will also delete all sensor data. Use wisely.

[Delete Sensor](#) Enter Sensor Number.

[Show Help](#)

PLEASE READ FOLLOWING BEFORE ENTERING THE DATA.

Please follow limiting values of the data you enter here. If you leave a field blank, default value will be saved. This menu is very important, and required for functioning of the system.

SENSOR NUMBER. - The sensor numbers are printed on the sensor. The number is programmed in sensor and can not be changed. By default all new sensor, will have not have any fixed channel. The channel will be programmed when sensor is first time connected to Web Interface unit.

MACHINE NAME. - The machine name can be up to 8 characters consisting numbers and characters. This will be unique number and can not be repeated. You can choose the machine name according to your convention. If you have utility measuring sensor like KWh or Flow, name it as UTILITY1 to UTILITY5, so that you can group machines associated with that utility.

PRODUCTION PER PULSE. - Production per pulse should be more than 0 and less than 2000. You can use decimal value also. Please refer below for calculation of production per pulse.

NO PULSE PERIOD. - No pulse period is in second and range is 1 to 240 sec. When sensor does not receive a production pulse, a counter is started in sensor. If the counter value exceeds the no pulse period, it is assumed that machine is stopped and will be flagged in main page as yellow color.

MEASURING UNIT. - The name of measuring unit will depend on the production per pulse calculation. It can be maximum 7 characters.

NO. OF DECIMAL. - The number of decimal point is used if you want more precise production calculation. You can set maximum decimal to 3 positions, setting this value to 0 will round the production to integer.

STATUS. - The status column will show the sensor status. If sensor is enabled, then it will be scanned by Web Interface Unit and if disabled, it will not be scanned. You can delete only disabled sensor. When checking sensor it will show the signal strength of Web interface unit and sensor.

GET ORIGINAL VALUE. - Many time you may need to modify the sensor data. Enter the sensor serial number or machine name and click GET ORIGINAL VALUE button, and existing settings will be filled in input boxes. Modify the parameters and click ADD OR MODIFY button and new data will be saved. Please note that you can not modify sensor number and machine number. You will have to delete it completely.

ADD OR MODIFY BUTTON. - When you want to add new sensor fill up all the text boxes with the data and then press ADD OR MODIFY button. Values outside the specified limit will not be accepted. You can use same button to modify the sensor data. If you leave a field blank, default value will be saved.

CHECK SENSOR. - After adding the sensor, you can check if you have entered correct numbers. Click CHECK SENSOR, and you will get status of sensor in status column. The Sensor will be enabled or disabled. You can see Rx and TX values also, these are signal level received at sensor and Web Interface Unit. Lower the value, longer the distance of sensor. If sensor is disabled, and no communication message appears, then either sensor is off, or beyond range. The CHECK SENSOR button will also enable all sensors if they are disabled.

DELETE SENSOR. - You can delete a sensor, by entering sensor number in text box adjacent to DELETE SENSOR button, and by clicking it. You should delete an enabled sensor only, to reset the channel number stored in sensor. When you delete a sensor, all data associated with sensor will also be deleted except, old reports. So always be careful, before you delete a sensor.

ENABLE / DISABLE SENSOR. - Sensor will be disabled, if there is no reply from sensor for 10 minutes (this value can be set in configure parameter menu). The disabled sensor will be shown in status column and also in main page and flagged as gray color. The sensor will be enabled when you press CHECK SENSOR and communication is established if sensor is ON. The sensor will also be automatically enabled every 20 min or after the reboot of Web Interface Unit.

MORE ABOUT PRODUCTION PER PULSE - Let us assume, we have a textile machine, and one of the shaft or wheel rotates in proportion to production. We have installed the sensor on this shaft such that sensor gets one pulse per rotation. Also assume that one rotation will produce 1345 mm of cloth. Now let us consider different calculations for production per pulse.

1. If we want production in mm, then we set production per pulse as 1345 (mm of production per rotation) , then our unit will be mm and if we set decimal to 0, then report will display production in millimeter. The display will show xxxxx mm.

2. If we want production in meters, then set the production per pulse as 1.345 (meters of production per rotation 1345 /1000) and unit as meter. If you need precision in centimeters also set the decimal point to 2. The display will show xxxx.xx meters. The digits after decimal will show centimeters.

3. If we want production in kilometer, with precision in meter, then set production per pulse as .001345 (kilometer of production per rotation) and unit as kilometer, and decimal point to 3. The display will show value of xxxx.xxx kilometers. The digit after decimal will be meters. This logic can be applied to any production quantity like length, weight, objects, energy unit, time, etc.

SENSOR NUMBERING. - The sensor number is 5 digit number. There are two types of sensor, pulse counting and time counting. In time counting mode, the report will display Machine ON time in place of production, and sensor will count seconds when signal is applied to sensor. The sensor number starts from 10001 to 89999. Please note that this 5 digit sensor number is unique and factory programmed and can not be changed.

UTILITY SENSORS - These types of sensors are used for counting of utility like, power, flow, or any other utility. The names of these sensor should be UTILITY1 or UTILITY2 or UTILITY3 or UTILITY4 or UTILITY5. You can group the machines under these sensors for getting utility consumption per unit of production.

MACHINE NAME ORDER. - The machine name will be sorted alphabetically and used in all report. For example machine name LOOM01 will come first and then LOOM02. If you want machines to be grouped use the machine name as LOOM01, LOOM02 and TAPE01 TAPE02 etc.

RF CHANNEL - Normally the RF channel is not set in sensor. When you add a sensor in Web Interface Unit, the Web Interface Unit will transmit the sensor number on set channel. The sensor will be listening on all the 9 channels. Once the sensor gets the serial number from Web Interface unit, it will latch to that channel. The channel number will be stored in non volatile memory of the sensor. When you delete the sensor, this channel number will also be deleted. However if the sensor is OFF Line or Disabled at the time of deleting, then channel number will NOT be deleted. So always delete the sensor when it is enabled only. Please contact our service department for deleting the RF Channel of sensor.

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Setup Order

This menu is optional. If you want order management, then enter the data here.

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Enter Order Data

STATUS:-

Serial Number	Order Code	Company Name	Order Quantity	Order Quality	Order Colour
1	Beta21	Beta computronics	200000	good	blue
2	NotSet	NotSet	0	NotSet	NotSet
3	Alpha22	Alpha electrosense	100000	High	White
4	Toy50	Toys Ltd	50000	Nice	Multy
5	110022	NotSet	300000	NotSet	NotSet
Serial Number	Order Code	Company Name	Order Quantity	Order Quality	Order Colour
Enter Data					

[Get Original Value](#)

[Add Or Modify Order](#)

[Delete Order](#) Enter Order Number

[Show Help](#)

PLEASE READ FOLLOWING BEFORE ENTERING THE DATA.

Please follow limiting values of the data you enter here. If you leave a field blank, default value will be saved. This menu is optional, and can be ignored if you do not want order management.

ORDER CODE - The order code is a unique and may consist of character or number. The order code can not be repeated.

COMPANY NAME - The company name is from whom order is received.

ORDER QUANTITY - The quantity of order received from company.

ORDER QUALITY. - You can assign a parameter important to the order. The word Quality can also be changed in SETUP KEY WORD menu. This will be displayed on main page, so that it will be easier to identify product easily

ORDER COLOUR. - You can assign a parameter important to the order. The word Colour can also be changed in SETUP KEY WORD menu.

GET ORIGINAL VALUE. - Many time you may need to modify the order data. Enter the order code and click GET ORIGINAL VALUE button, and existing settings will be filled in input boxes. Modify the parameters and click ADD OR MODIFY button and new data will be saved. Please note that you can not modify order code. You will have to delete it completely.

ADD OR MODIFY BUTTON. - When you want to add new order fill up all the text boxes with the data and then press ADD OR MODIFY button. Values outside the specified limit will not be accepted. You can use same button to modify the order data. If you leave a field blank, default value will be saved.

DELETE ORDER. - You can delete an order, by entering order code in text box adjacent to DELETE ORDER button, and by clicking it. You can not delete a running order. You will have to remove the order from ASSIGN ORDER TO MACHINE MENU. When you delete an order, all data associated with order will also be deleted except, old reports. So always be careful, before you delete an order. Take the backup before you delete the order.

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Setup Operator

This menu is optional. If you want operator management, then enter the data here.

Company - Beta Computronics Pvt. Ltd.

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[Setup Key Word](#)
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[Help](#)

Enter Operator Data
STATUS:-

Serial Number	Operator Code	Operator Name	Designation	Operator Details
1	Rajat	Rajat Sharma	Loom operator	Mumbai Maharashtra
2	John	John Franklin	MachineIncharge	London England
3	Mohan	Mohan Karmarkar	Loom operator	Nagpur Maharashtra
4	Amer	Amer Prajapati	MachineIncharge	Ahmadabad Gujrat
5	Nelson	Nelson Glane	Incharge	Johannesburg South Africa
6	Rajan	Rajan Reddy	Incharge	Chennai Tamilnadu

Enter Data

Get Original Value

Add Or Modify Operator

Delete Operator Enter Operator Code

Show Help

PLEASE READ FOLLOWING BEFORE ENTERING THE DATA.

Please follow limiting values of the data you enter here. If you leave a field blank, default value will be saved. This menu is optional, and can be ignored if you do not want operator management.

OPERATOR CODE - This is a unique code to identify the operator. This will appear on all reports. This code must not be repeated. It can have maximum 8 characters or numbers.

OPERATOR NAME - Full name of operator. This field is not used in processing, so can be left blank.

OPERATOR DESIGNATION - Operator Designation. This field is not used in processing, so can be left blank.

OPERATOR DETAILS - The details address or any other information. This field is not used in processing, so can be left blank.

GET ORIGINAL VALUE. - Many time you may need to modify the operator data. Enter the operator code and click GET ORIGINAL VALUE button, and existing settings will be filled in input boxes. Modify the parameters and click ADD OR MODIFY button and new data will be saved. Please note that you can not modify order code. You will have to delete it completely.

ADD OR MODIFY BUTTON. - When you want to add new operator fill up all the text boxes with the data and then press ADD OR MODIFY button. Values outside the specified limit will not be accepted. You can use same button to modify the operator data. If you leave a field blank, default values will be saved.

DELETE OPERATOR. - You can delete an operator, by entering operator code in text box adjacent to DELETE OPERATOR button, and by clicking it. You can not delete a working operator. You will have to remove the operator from ASSIGN OPERATOR TO MACHINE MENU. When you delete an operator, all data associated with operator will also be deleted except, old reports. So always be careful, before you delete an operator. Take the backup before you delete the operator.

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Setup Utility Group

This menu is optional. If you want group and utility reports, then enter the data here.

Company - Beta Computronics Pvt. Ltd.

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Setup Utility Group
STATUS:-

Machine	UTILITY1 - Group1	UTILITY2 - Group2	UTILITY3 - Group3	UTILITY4 - Group4	UTILITY5 - Group5
LM001	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LM002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RM003	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ST004	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TM005	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TM006	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Save Utility Group

Show Help

PLEASE READ FOLLOWING BEFORE ENTERING THE DATA.

If you leave a field blank, that machine will not be included in the group.. This menu is optional, and can be ignored if you do not want to assign Machines to Groups.

GROUP NAMES - You can group machines according to the machine function. The group names, UTILITY1, UTILITY2, UTILITY3, UTILITY4, UTILITY5 are pre defined and can not be changed. This grouping will help you to examine the data of group of machine for production, efficiency and utility consumption.

UTILITY SENSORS -You can assign a utility sensor like Kwh meter, water and Air flow meter etc, to a group of machine so that you can get utility consumption of group of machines. For this you will have to name the utility sensor as UTILITY1, UTILITY2, UTILITY3, UTILITY4, UTILITY5.

GROUP FORMATION -In the above menu just select the machine you want in a particular group by putting a tick mark in the box. Once you have selected groups press Save Utility Group.

UTILITY REPORT -You can see the group wise data of machines in Utility Report menu.

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System Parameters

The system parameters need to be set once. If your system is working perfectly, then you need not change any thing here.

Company - Beta Computronics Pvt. Ltd.

Main Page | Setup Sensor | Setup Order | Setup Operator | Setup Utility Group | System Parameters | Setup Key Word | Setup Report | Backup Data | Help

System Menu

WARNING... DO NOT CHANGE HERE ANY THING IF YOUR SYSTEM IS WORKING PROPERLY
 ANY CHANGES HERE MAY MAKE YOUR SYSTEM UNOPERATIONAL OR MAY RESULT DATA LOSS.
 SO PLEASE BE CAREFUL. YOU ARE WARNED.....

S.No	Description	Option	Click to save	Result
1	SETUP SYSTEM TIME AND DATE - The system time is very important for calculation of hour, shift, day and month data. Normally the time and date is automatically updated from Internet. The web interface unit also has battery backed Real Time Clock. In absence of Internet, the date is read from this clock. If you find that time and date shown here is not correct, then you can set the date and time. The date and time will written to internal Real Time Clock also. This will take few seconds.	HH:MM:SS <input type="text" value="15:30:58"/> YYYY-MM-DD <input type="text" value="2016-07-25"/>	<input type="button" value="Set Date & Time"/>	
2	Time Zone - To know Time Zone of your country Click Here ., copy and paste the correct name for your country.	Time Zone <input type="text" value="Asia/Kolkata"/>	<input type="button" value="Set Time Zone"/>	
3	Wifi Access Point Name -You can set the access point name of internal WiFi, if you have multiple Web Interface unit. This access area has very low coverage area and suitable for setting parameters. However it is fully functional for all operations. For Security reason, select DISABLED to stop WiFi access, but it is recommended to keep it on, for accessing Web Interface Unit in emergency.	Set AP Name <input type="text" value="PMSAP6"/>	<input type="button" value="Set WiFi AP name"/>	
4	Setup Ethernet - Set LAN details for the system. You will need Ethernet IP, and Ethernet Gateway and optionally Ethernet Mask. If you change these setting, you must reboot the system, for these setting to take effect. If your LAN has DHCP server, these details will set automatically. Ignore this if your internet is working and getting mails.	IP Address <input type="text" value="192.168.1.181"/> Net Mask <input type="text" value="255.255.255.0"/> Gateway <input type="text" value="192.168.1.250"/>	<input type="button" value="Set Ethernet"/>	
5	Setup Gmail or Hotmail / Outlook account for sending mails. - The system need a GMAIL or Hotmail / Outlook account for sending the mails. If do not have a GMAIL or Hotmail / Outlook account, you will have to create new account. Please provide username and password here. Please ensure that this POP / SMTP server for this account is enabled, else you will not get mails.	Account Name <input type="text" value="cirloom"/> Password <input type="password" value="*****"/>	<input type="button" value="Set Gmail Account"/> <input type="button" value="Set Hotmail Account"/>	
6	Change System password - You can change the admin password for set up and also user password. If the user password is left blank, old password will be retained. If you forget system password, please refer instruction manual for password recovery.	Old Password <input type="password"/> New Password <input type="password"/> User password <input type="password"/>	<input type="button" value="Change Password"/>	
7	Set RF Channel for Sensor - The sensors communicate with Web Interface Unit by Wireless. The wireless system needs a fixed channel for communication. There are 8 channels available, you need to select channel as per your sensor number. The channel number is second digit (from left) of sensor number. Once the channel is set and Sensors are added, you can not change the channel number. If you want to change the channel number you will have to delete all the data as given below item 9	RF Channel <input type="text" value="5"/>	<input type="button" value="disabled"/>	
8	Restore Data - System Restore will bring the system to original state. You must use only backup file created here on this system.		<input type="button" value="Restore Data"/>	
9	Delete all data from system. - You can delete all data and reset the system to factory reset. This will delete complete data so use with care. To safe guard accidental erase, you will also need a password. If you do not know password, refer manual.	Factory Password <input type="password"/>	<input type="button" value="Factory Reset"/>	
10	Send Diagnostic Mail. - In case your system does not work properly or you wish to examine your system by us, you can email us all system data. Please enter our email address in box and click Diagnostic Mail. Please be warned that this mail will include all settings, username / password for gmail account, and all old reports.	<input type="text" value="mukund@betacomp.com"/>	<input type="button" value="Diagnostic Mail"/>	
11	Reboot Web Interface Unit. - Please do not switch off power to the Web Interface unit. It may result in data loss. If you want to restart the Web Interface Unit, use Reboot button here.		<input type="button" value="Reboot System"/>	
12	Shutdown the Web Interface Unit. - Please do not switch off power to the Web Interface unit. It may result in data loss. If you want shutdown the Web Interface Unit, use Shutdown button. If you Shut Down the unit, then you will have to restart the power supply if you want to restart.		<input type="button" value="Shut Down"/>	

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Setup Key Word

You can replace key words in report with appropriate words. Thus you can have reports in other languages also. However only ASCII characters are only supported.

Company - Beta Computronics Pvt. Ltd.

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Setup Substitute Words

Actual Word.	Substitute Word
Machine	<input type="text" value="Machine"/> 2-8 Character
Batch	<input type="text" value="Batch"/> 2-8 Character
Hour	<input type="text" value="Hour"/> 2-8 Character
Shift	<input type="text" value="Shift"/> 2-8 Character
Day	<input type="text" value="Day"/> 2-8 Character
Month	<input type="text" value="Month"/> 2-8 Character
Stop	<input type="text" value="Stop"/> 2-8 Character
Production	<input type="text" value="On time/Prod"/> 2-12 Character
Period	<input type="text" value="Period"/> 2-8 Character
Time	<input type="text" value="Time"/> 2-8 Character
Eff	<input type="text" value="Eff"/> 2-4 Character
Operator	<input type="text" value="Operator"/> 2-10 Character
Order	<input type="text" value="Order"/> 2-8 Character
Unit	<input type="text" value="Unit"/> 2-8 Character
Performance	<input type="text" value="Performance"/> 2-12 Character
Total	<input type="text" value="Total"/> 2-8 Character
Report	<input type="text" value="Report"/> 2-8 Character
Running	<input type="text" value="Running"/> 2-8 Character
Stopped	<input type="text" value="Stopped"/> 2-8 Character
Offline	<input type="text" value="Offline"/> 2-8 Character
Colour - Related to Order	<input type="text" value="Colour"/> 2-8 Character
Quality - Related to Order	<input type="text" value="Quality"/> 2-8 Character
Status	<input type="text" value="Status"/> 2-8 Character
Disabled	<input type="text" value="Disabled"/> 2-8 Character
UTILITY1 - (Substitute word UTILITY not allowed)	<input type="text" value="Group1"/> 2-8 Character
UTILITY2 - (Substitute word UTILITY not allowed)	<input type="text" value="Group2"/> 2-8 Character
UTILITY3 - (Substitute word UTILITY not allowed)	<input type="text" value="Group3"/> 2-8 Character
UTILITY4 - (Substitute word UTILITY not allowed)	<input type="text" value="Group4"/> 2-8 Character
UTILITY5 - (Substitute word UTILITY not allowed)	<input type="text" value="Group5"/> 2-8 Character

To set the default word, make the substitute word empty and press Save Substitute Word.

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Setup Reports

Kindly read the following carefully. The help is provided in menu itself.

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Setup Reports

STATUS:-

Parameter	Setting
Company Name- This name will appear on all report.	Beta Computronics Pvt. Ltd.
First email address to which reports will be sent.	betacompngp@gmail.com
Select which mails to be sent to first email address	Hour <input type="checkbox"/> SHIFT <input type="checkbox"/> DAY <input checked="" type="checkbox"/> MONTH <input checked="" type="checkbox"/> ORDER <input checked="" type="checkbox"/>
Second email address to which reports will be sent.	betacongpg@gmail.com
Select which mails to be sent to second email address	Hour <input type="checkbox"/> SHIFT <input checked="" type="checkbox"/> DAY <input checked="" type="checkbox"/> MONTH <input checked="" type="checkbox"/> ORDER <input checked="" type="checkbox"/>
Third email address to which reports will be sent.	anandash300@gmail.com
Select which mails to be sent to third email address	Hour <input checked="" type="checkbox"/> SHIFT <input checked="" type="checkbox"/> DAY <input checked="" type="checkbox"/> MONTH <input checked="" type="checkbox"/> ORDER <input checked="" type="checkbox"/>
Fourth email address to which reports will be sent.	darwhekar@gmail.com
Select which mails to be sent to fourth email address	Hour <input type="checkbox"/> SHIFT <input checked="" type="checkbox"/> DAY <input type="checkbox"/> MONTH <input type="checkbox"/> ORDER <input checked="" type="checkbox"/>
Fifth email address to which reports will be sent.	cirloom@gmail.com
Select which mails to be sent to fifth email address	Hour <input checked="" type="checkbox"/> SHIFT <input checked="" type="checkbox"/> DAY <input type="checkbox"/> MONTH <input checked="" type="checkbox"/> ORDER <input type="checkbox"/>
Sixth email address to which reports will be sent.	
Select which mails to be sent to sixth email address	Hour <input type="checkbox"/> SHIFT <input type="checkbox"/> DAY <input type="checkbox"/> MONTH <input type="checkbox"/> ORDER <input type="checkbox"/>
Subject line of email.	PMS Report
You can send a test mail to verify above addresses.	Press Save Data before testing. Send Test Mail
Status of Local and Internet connection. Refresh the page to see current status	LOCAL NET OK INTERNET OK
Show Total on main page. If you have different types of machines, total is not required. Show On Time - Select between time efficiency and machine on time Show Help on main page - A help text will be shown on main page.	Show total <input checked="" type="checkbox"/> Show ON time <input type="checkbox"/> Show Help <input type="checkbox"/>
Enable Current Report Generation for Hour, Shift, Day, Month.	Hour <input checked="" type="checkbox"/> SHIFT <input type="checkbox"/> DAY <input type="checkbox"/> MONTH <input type="checkbox"/> BATCH <input type="checkbox"/>
Shift start time in hours and minute. You need not fill for all six shift, leave blank if shift is not required.	Start time of First SHIFT <input type="text" value="07:30"/> as HH:MM Start time of Second SHIFT <input type="text" value="15:30"/> as HH:MM Start time of Third SHIFT <input type="text" value="23:30"/> as HH:MM Start time of Fourth SHIFT <input type="text"/> as HH:MM Start time of Fifth SHIFT <input type="text"/> as HH:MM Start time of Sixth SHIFT <input type="text"/> as HH:MM
Sensor Off Line period. - If no data is received from sensor for 5 min, sensor will be shown in Red colour How ever sensor scanning will be continued in each cycle.	Sensor Offline period in Min. <input type="text" value="5"/>
Sensor Disabled period. - If no data is received from sensor for 120 min, sensor will be removed from scan list. The disabled sensor will be enabled 10 min before hour completion or after reboot or when Check Sensor in Setup Sensor menu.	Sensor Disable period in Min. <input type="text" value="120"/>
Select a parameter to be displayed on status screen. You can select hour, shift, day or month production	Hour <input type="text"/>

[Save Configuration Data](#)

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Backup Data

Kindly read the following carefully. The help is provided in menu itself.

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Backup Data.

1.Configuration Backup - The configuration backup consist all the configuration data. This back up is useful when you change the Web Interface unit or upgrade the software. It is always advisable to back up data, after any change in configuration.

[Backup Config Data](#)

2.Current Data Backup - The current data backup consist all the current data of sensors, order etc. This back up is useful when you change the Web Interface unit or upgrade the software. It is always advisable to back up data, on daily basis, so that data is not lost.

[Backup Current Data](#)

3.Old Data Backup - The old data backup consist all old reports for hour, shift, day and month. This back up is useful when you change the Web Interface unit or upgrade the software. It is always advisable to back up data, on weekly basis, so that data is not lost.

[Backup Old Data](#)

4.Complete Data Backup - The complete backup consist all of the above backup. This back up is useful when you change the Web Interface unit or upgrade the software. It is always advisable to back up data, on weekly basis, so that data is not lost.

[Backup All Data](#)

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User Password

The system has two user namely admin and user. The admin can change all the parameter and settings, and user can change few parameters, which are not critical to system. So be very careful, when you log in as admin user. The password for admin and user are provided in manual. These passwords can be changed in system menu, and reset if required.

Company - Beta Computronics Pvt.Ltd.

Main Page | Status Report | Old Report | Order Report | Performance Report | Group & Utility Report | Minute Report | Setup Menu | User Menu | Help

Current Report
 REPORT UPDATED ON - Wed Apr 19 10:59:16 2017 SYSTEM START TIME - Wed Apr 19 10:13:06 2017 SCAN TIME - 5 Seconds

Machine	W.S.	Quality								
LM001	95	Good	B							
LM002	96	Good	B							
LM402	90	NotSet	N							
RM003	86	Fine	A							
TM004	77	NotSet	N							
UT005	90	Nice	T							
UTILITY1	88	NotSet	NotSet	NotSet	Kw	18APR-19:00	19APR-10:59	0.05	0%	0%
UTILITY2	82	NotSet	NotSet	NotSet	Watt	18APR-19:00	19APR-10:59	0.8	0%	0%
XZ007	96	NotSet	110022	NotSet	Unit	18APR-19:00	19APR-10:43	0	0%	0%

Legend:- W.S. - Wireless Signal Strength, O.T. - Machine On Time, T.E.% - Time Efficiency, P.E.% Production Efficiency

Machine Status
 Total Machines 9 | Running Machine 1 | Stopped Machine 6 | Offline Machine 0 | Disabled Machine 2

A System By Beta Computronics Pvt. Ltd.

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Assign Order to Machine

This menu is optional. If you want order management, then enter the data here. You will have to add order in Setup Order menu, before you assign order to machine

Company - Beta Computronics Pvt. Ltd.

Main Page | Assign Order to Machine | Assign Operator to Machine | Batch and Order Management | Help

Assign Order To Machine
 STATUS:-

Machine Name	Order Code	Batch Size	Target Production/day
LM001	Beta21	0	3240
LM002	Beta21	0	3085
RM003	Alpha22	0	324000
TM005	NotSet	0	1440
TM006	NotSet	0	1440
UTILITY1	NotSet	0	2000
ST004	Toy50	0	8000

Machine Name: SELECT Order Code: SELECT

Get Original Value

Assign Order

Show Help

PLEASE READ FOLLOWING BEFORE ENTERING THE DATA.

Please follow limiting values of the data you enter here.

This menu is optional, and can be ignored if you do not want to Assign Orders to Machine.

MACHINE NAME - This is a drop down list to select machine name. The list contains only machine which are added using SETUP SENSOR.

ORDER CODE - This is a drop down list to select ORDER CODE. The list contains only order which is added using SETUP ORDER.

BATCH SIZE - You can enter the batch size of order. The order can be breakdown in small batch sizes. You can manage batch size in BATCH AND ORDER MANAGEMENT.

TARGET PRODUCTION. - The target production is used for calculation of machine efficiency. Estimate the per day production, and enter the value here. The efficiency will reflect the machine performance.

GET ORIGINAL VALUE. - Many time you may need to modify the data. Select the machine name and click GET ORIGINAL VALUE button, and existing settings will be filled in input boxes. Modify the parameters and click ASSIGN ORDER button and new data will be saved. Please note that you can not modify order number and machine name.

ASSIGN ORDER. - Once you enter all the values, click ASSIGN ORDER. If all the values are correct, the data will be saved and displayed in the list. If you leave a field blank, default value will be saved.

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Assign Operator to Machine

This menu is optional. If you want operator management, then enter the data here. You will have to add operator in Setup Operator menu, before you assign operator to machine

Company - Beta Computronics Pvt. Ltd.

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 [Assign Order to Machine](#) |
 [Assign Operator to Machine](#) |
 [Batch and Order Management](#) |
 [Help](#)

Assign Operator to Machine.

STATUS -

Machine Name	Shift 1 Operator	Shift 2 Operator	Shift 3 Operator	Shift 4 Operator	Shift 5 Operator	Shift 6 Operator
LM001	Rajat	John	Mohan	Amer	Nelson	Rajan
LM002	Rajan	Nelson	Amer	Mohan	John	Rajat
RM003	Rajan	Nelson	Mohan	Amer	Rajat	John
TM005	John	Mohan	Amer	Nelson	Rajan	Rajat
TM006	Amer	Rajat	Rajan	Rajat	Amer	Nelson
Machine Name	Shift 1 Operator	Shift 2 Operator	Shift 3 Operator	Shift 4 Operator	Shift 5 Operator	Shift 6 Operator
SELECT	NotSet	NotSet	NotSet	NotSet	NotSet	NotSet

PLEASE READ FOLLOWING BEFORE ENTERING THE DATA.

Please follow limiting values of the data you enter here. If you leave a field blank, default value will be saved. This menu is optional, and can be ignored if you do not want to assign Operator to Machine.

MACHINE NAME. - This is a drop down list to select machine name. The list contains only machine which are added using SETUP SENSOR.

OPERATOR CODE. - This is a drop down list to select OPERATOR CODE. You can assign operator to shift1 to shift 4. The list contains only operator which are added using SETUP OPERATOR.

GET ORIGINAL VALUE. - Many time you may need to modify the data. Select the machine name and click GET ORIGINAL VALUE button, and existing settings will be filled in input boxes. Modify the parameters and click ASSIGN OPERATOR button and new data will be saved. Please note that you can not modify order number and machine name.

ASSIGN OPERATOR. - Once you enter all the values, click ASSIGN OPERATOR, the data will be save and displayed in the list. If you leave a field blank, default value will be saved.

IMPORTANT NOTE. - You can not change the operator name of the current shift. However a grace period of 1 hour is allowed. So if the shift starts at 8.00 AM, you can change the operator name up 9.00 AM for the current shift. After that operator code will be locked.

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Batch and Order Management

If you have assigned order to machine, then you can make batches. Click the button in last column to finish batch. Please note that batch completion is a slow process, and it may take up to a minute to complete.

Company - Beta Computronics Pvt. Ltd.

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Batch and Order Management

STATUS:-

Select Order Code for Batch management.

Click here for report [Generate Order Report](#)

SrNo	Machine	Order	Start	end	On time/Prod	Time Eff.%	Prod Eff.%	Status
1	LM001	Beta21	21JUL-17:35	22JUL-11:41	60.720	0%	2%	Complete
2	LM002	Beta21	21JUL-17:36	22JUL-11:42	10881.6	25%	150%	Complete
3	LM001	Beta21	22JUL-11:41	22JUL-11:42	0.000	0%	0%	Complete
4	LM001	Beta21	22JUL-11:42	Running	147.312	0%	4%	Click to end Batch <input type="button" value="LM001"/>
5	LM002	Beta21	22JUL-11:42	Running	3585.1	47%	96%	Click to end Batch <input type="button" value="LM002"/>
Total					14674.732			

Order Summary

Order Number	Beta21
Company Name	Beta computronics
Order Quality	good
Order Colour	blue
Order Quantity	200000
Ready Quantity	14674.732
Balance Quantity	185325.268

[Download csv File.](#)

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