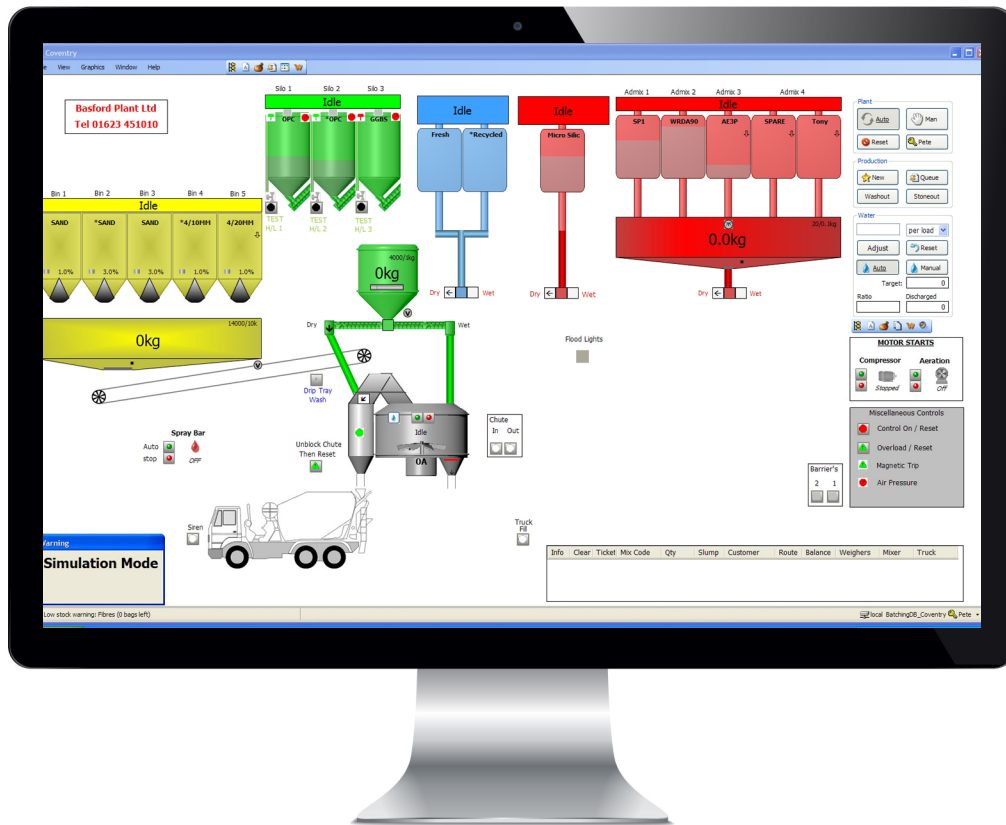


# Contech Batching Control System



- ✓ Fast, accurate batching
- ✓ Multi Level Security
- ✓ Detailed reports
- ✓ Remote Support

## Contact us



01623 451 010



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Our Contech system is specifically developed for concrete batching plants for either Ready Mix, site mixing, precast and screed/mortar plants.

Our system will deliver optimum plant performance and is very simple to use - one of the key reasons that it's become so popular in the concrete industry.

The system has been developed with over 30 years experience in computerised concrete batching and is continuously being enhanced with additional features.

The system is powerful, flexible and user friendly. Plant operators will become confident in the use of our system within a short period of tuition due to the intuitive operator interface of the package - with all of the daily functions being at the operator's fingertips on the main display, and more in-depth settings being securely protected.

## Typical Operator Interface:



The system is can provide fully automatic weighing and mixing, with either manual or automatic discharge from the mixer.

At any point during the automatic cycle the system can be switched to manual for any intervention required and when returning to automatic will continue from where it left off.

The use of off the shelf components provides a cost efficient approach and ability to easily scale the system from a simple site plant to a high output city plant.

- 
- The system provides consistency and accurate batching, with a unique intuitive graphical plant interface and detailed management reports.
  - The intuitive operator interface creates easy control from a keyboard and mouse, with the operator simply pointing and clicking at the required item of plant to be controlled.
  - Multiple screens can be used when control of loading and recycled systems are required.
  - Data link to shipping systems to allow batch data to be received and actual batch results to be returned.
  - The system is easily scalable to any size/complexity of plant.
  - The system will allow for multiple secure graphical plant interfaces to be connected from any point that has an internet/ intranet connection. This feature will allow remote control, support, report viewing and allow the technical parameters to be adjusted remotely.
  - Reports can be displayed before printing if required and / or exported to most common formats such as Word, Excel, PDF.

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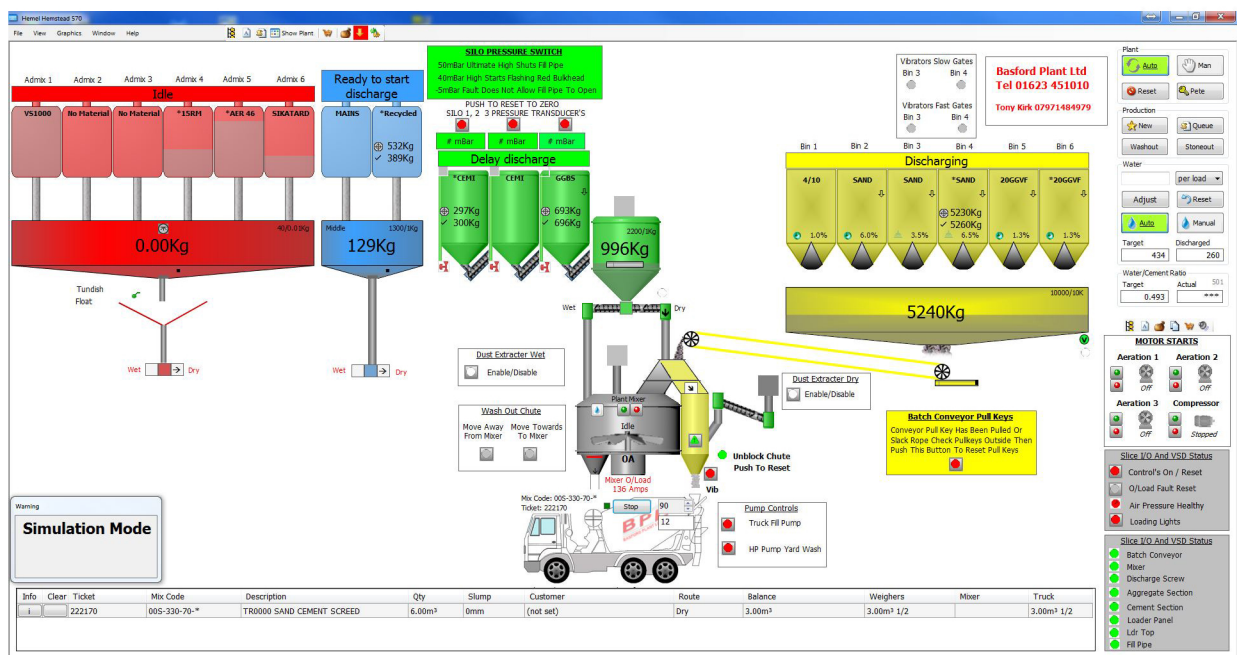
The Contech Batching System allows your operator to control and monitor your concrete plant using just a keyboard and a mouse - boosting the efficiency of their time and allowing them to understand exactly how the plant is performing thanks to the powerful reporting features of the software package.

If you'd like to talk to us about our Contech system, call one of our advisors on **01623 451 010** and they'll be happy to help.



## Plant Mimic

The mimic shows a fully animated graphic mimic of the plant showing material passing through the plant. The mimic layout is easily changed to represent the physical and most intuitive layout of the plant. The layout shown below is of one of installation with many features added, for instance: silo protection and variable speed conveyors.

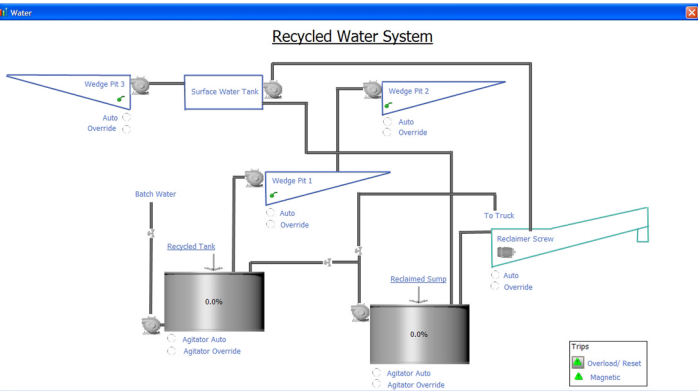


## Additional Mimics

Additional mimic of plants can be drawn to show animated real time graphical representations of various specific aspects. Below are examples.

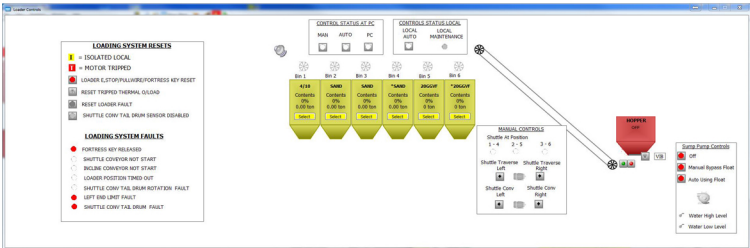
### Water Circuit Mimic

This shows the real time status of the various components of the water circuit. Control modes are also able to be changed.



### Aggregate Loader Mimic

This screen below shows a mimic of Aggregate Loading system with control.





# Reporting

All production data is stored in a database thus enabling reports to be generated and displayed, filtered as required.

Reports can be printed on demand or automatically as required.

Examples of reports are shown below.

Production

Requested: 115.80m³

Batched: 115.80m³

Dry: 115.80, Wet: 0.00m³

Duration: 02:00:17

Mon, 3 Nov, 2014

Ordered: 115.80m³

Batched: 115.80m³

Dry: 115.80, Wet: 0.00m³

Duration: 02:00:17

74122810 Remote

Ordered: 3.00m³

Batched: 3.00m³

1 of 1 batches

Target WCR: 0.676

Started: 15:31

Mix Code: 74122810

Slump: 50mm

Actual WCR: 0.680

Finished: 15:34

Mix Des: G2N 220 440 15R2

Customer: D Harding Mini-Mix Concrete

Truck: DKS90U

Driver:

Route: Dry

Site: COLLECT - HEMEL HEMPSTEAD CONCRE

Summary

Details

Images

Batch

74122754 Remote

Ordered: 3.00m³

Batched: 3.00m³

1 of 1 batches

Target WCR: 0.676

Started: 15:25

Mix Code: 74122754

Slump: 50mm

Actual WCR: 0.676

Finished: 15:29

Mix Des: G2N 220 440 15R2

Customer: D Harding Mini-Mix Concrete

Truck: DKS90U

Driver:

Route: Dry

Site: COLLECT - HEMEL HEMPSTEAD CONCRE

Summary

Details

Images

Batch

74122750 Remote

Ordered: 7.50m³

Batched: 7.50m³

2 of 2 batches

Target WCR: 0.388

Started: 15:18

Mix Code: 74122750

Slump: 130mm

Actual WCR: 0.326

Finished: 15:24

Mix Des: G2P 405 466 15R3

Customer: Trent Engineering Ltd

Truck: DKS90U

Driver:

Route: Dry

Site: Contract 591 Buncefield-Cherry T

Summary

Details

Images

Batch

74122635 Remote

Ordered: 8.00m³

Batched: 8.00m³

2 of 2 batches

Target WCR: 0.388

Started: 15:10

Mix Code: 74122635

Slump: 130mm

Actual WCR: 0.340

Finished: 15:19

Mix Des: G2P 405 466 15R3

Customer: Trent Engineering Ltd

Truck: DKS90U

Driver:

Route: Dry

Site: Contract 591 Buncefield-Cherry T

Summary

Details

Images

Batch

74122602 Remote

Ordered: 6.00m³

Batched: 6.00m³

2 of 2 batches

Target WCR: 0.676

Started: 14:25

Mix Code: 74122602

Slump: 50mm

Actual WCR: 0.676

Finished: 14:30

Mix Des: G2N 220 440 15R2

Customer: D Harding Mini-Mix Concrete

Truck: DKS90U

Driver:

Route: Dry

Site: COLLECT - HEMEL HEMPSTEAD CONCRE

Summary

Details

Images

Batch

74122225 Remote

Ordered: 1.70m³

Batched: 1.70m³

1 of 1 batches

Target WCR: 0.676

Started: 14:19

Mix Code: 74122225

Slump: 50mm

Actual WCR: 0.567

Finished: 14:21

Mix Des: G2N 220 440 15R2

Customer: D Harding Mini-Mix Concrete

Truck: DKS90U

Driver:

Route: Dry

Site: COLLECT - HEMEL HEMPSTEAD CONCRE

Summary

Details

Images

Batch

74121865 Remote

Ordered: 2.00m³

Batched: 2.00m³

1 of 1 batches

Target WCR: 0.472

Started: 13:45

Mix Code: 74121865

Slump: 130mm

Actual WCR: 0.468

Finished: 13:46

Mix Des: G2AP 305 430 A46115R3PLX1

Customer: D Harding Mini-Mix Concrete

Truck: DKS90U

Driver:

Route: Dry

Site: COLLECT - HEMEL HEMPSTEAD CONCRE

Summary

Details

Images

Batch

Printed 07/01/2015 12:52:26

Home Hemstead 570

Page 1 of 4

## Production Summary

This report gives you a summary of all the production over the requested time span. At the top of the report is a summary of batch totals and the time taken by the plant for that production.

The summary of each load is then shown with a line clearly separating each load. Details of ingredients can be shown either in summary or detailed format by clicking on the blue text to link to the respective report.

## Load Summary

This shows the summary of all the ingredients in the load with any outside tolerance errors highlighted in red.

Production

Summary 74122810

Summary 74122754

Summary 74122750

74122750

Mon, 3 Nov, 2014 15:18

Ordered: 7.50m³

Batched: 7.50m³

Mix Code: 74122750

Route: Dry

Slump: 130mm

Target WCR: 0.388

G2P 405 466 15R3

Completed: 15:24

Duration: 6:58

Actual WCR: 0.326

Customer: Trent Engineering Ltd

Site: Contract 591 Buncefield-Cherry T

Task	Material	Actual Moisture%	Target	Actual	Error	% Error
Aggregate	20/05MP	1.30	8.145 kg	8.131 kg	-14kg	-0.17%
	SAND	5.52	5,524 kg	5,531 kg	7kg	0.12%
	Total Aggregate		13,669 kg	13,662 kg	-7kg	0.05%
Cement	CEM1		1,035 kg	1,040 kg	5kg	0.48%
	GGBS		2,003 kg	2,004 kg	1kg	0.05%
Total Cement			3,038 kg	3,044 kg	6kg	
Water	Recycled		881 kg	881 kg	-20mg	-0.002%
	15R4		15.95 kg	15.97 kg	0.02kg	0.14%
Additive			17,523.01 kg	17,392.66 kg	-200.36 kg	

Current Page No: 1

Total Page No: 1

Zoom Factor: Whole Page

Production

Main Report | Summary 74122750 | Summary 74122754 | Summary 74122750 | Details 74122750

Load Details

74122750 Started: Mon, 3 Nov, 2014 15:18 Ordered 7.50m<sup>3</sup> Batched 7.50m<sup>3</sup>

Mix Code: 74122750 Mix Desc: G2P 40S#66 15R3

Route: Dry

Customer: Trint Engineering Ltd

Batch 1 Started 15:1802

Material	Moisture%	Target	Achieved	Error	Feeder	Amount	Time	Feed Type
20GSP	1.30	4.072kg	4.092 kg	20kg (0.50%)	Bin 6	4.092	18.00s	Auto
SAND	5.40	2.759kg	2.763 kg	4kg (0.10%)	Bin 3	2.763	17.00s	Auto
CEM	5.68	1.08kg	1.09 kg	1kg (0.20%)	Silo 2	1.09	30.00s	Auto
GGBS	1.001kg	1.003 kg	1kg (0.10%)	Silo 3	1.003	75.00s	Auto	
Recycled	600kg	601 kg	1kg (0.20%)	Recycle	303	24.00s	Auto	
				Recycle	150	15.00s	Auto	
				Recycle	148	14.00s	Auto	
ISRM	15.85kg	15.87 kg	0.02kg (0.10%)	Feeder	7.52	23.00s	Auto	
				Feeder	4.07	14.00s	Auto	
				Feeder	3.97	14.00s	Auto	

Batch 2 Started 15:2120

Material	Moisture%	Target	Achieved	Error	Feeder	Amount	Time	Feed Type
20GSP	1.30	4.052kg	4.039 kg	-13kg (-0.20%)	Bin 6	4.039	18.00s	Auto
SAND	5.40	2.761kg	2.768 kg	7kg (0.20%)	Bin 3	2.768	17.00s	Auto
CEM	5.68kg	1.021 kg	1kg (0.80%)	Silo 2	1.021	31.00s	Auto	
GGBS	1.000kg	1.001 kg	1kg (0.20%)	Silo 3	1.001	62.00s	Auto	

Current Page No. 1

Total Page No. 1

Zoom Factor: Whole Page

Load Details

This shows the following details of all the materials in the load on a batch by batch basis including Name, Moisture (if aggregate), Target, Achieved, Error in calibrated units and as a percentage of target, the name of the feeder that dispensed the material, how the material was dispensed e.g. Auto, Manual the amount of material dispensed and the time taken to dispense the material.

Additional Features



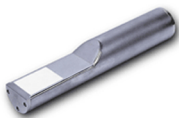
ULink Interface

This standard feature allows customers who have their own enterprise business system such as SAP used for order processing, shipping, etc to connect our system to received loads including recipes. These loads are then produced and actual batched weights are then sent back to the enterprise business system for analysis, reporting and storage. The interface uses either RS232 or Ethernet standards for connectivity.



Scheduled Reports Emailed

This standard feature allows customers to schedule the sending of reports by email. Single or multiple reports can be time scheduled to be generated and sent to single or multiple email accounts.



Microwave Moisture Probe

This standard optional feature allows microwave moisture probes for aggregate moisture measurement to be connected to the system and easily calibrated through our single or multi point calibration procedure.



Despatch Ticket Printing

This optional feature adds a printer to the system for printing of Despatch Tickets. The design of these can be bespoke or we have a range of standard layouts to choose from. The tickets can be printed on plain paper or pre-printed - carbon loaded triplicate paper can also be used.

## Shipping System

This optional feature allows orders to be placed and scheduled. The orders can be for single or multiple loads.

The status of each order can then be clearly seen, with the display of Ordered, Completed and Remaining load quantities. A report can then be generated for manual transfer to a financial package for invoicing or an invoice can be printed directly.

Below is a screen grab of the shipping screen.

Time Req Onsite	Status	Customer	Site	Customer Collects	Recipe	Ordered (165.1)	Completed (167)	Remaining (19.2)
16/02/2015 07:30	Cancelled	16/02/2015 07:30	16/02/2015 07:30	<input checked="" type="checkbox"/>	G156	9.1	0	9.1
16/02/2015 09:00	Cancelled	16/02/2015 09:00	16/02/2015 09:00	<input type="checkbox"/>	G184F	7.5	0	7.5
16/02/2015 11:30	Cancelled	16/02/2015 11:30	16/02/2015 11:30	<input type="checkbox"/>	G249A	3	0	3
16/02/2015 13:00	Cancelled	16/02/2015 13:00	16/02/2015 13:00	<input type="checkbox"/>	G139F	6	0	6
16/02/2015 06:45	Completed	16/02/2015 06:45	16/02/2015 06:45	<input type="checkbox"/>	G240	4	4	0
16/02/2015 06:52	Completed	16/02/2015 06:52	16/02/2015 06:52	<input type="checkbox"/>	G240	7.5	7.5	0
16/02/2015 07:26	Completed	16/02/2015 07:26	16/02/2015 07:26	<input type="checkbox"/>	G247	6	6	0
16/02/2015 08:29	Completed	16/02/2015 08:29	16/02/2015 08:29	<input type="checkbox"/>	G245	5.5	5.5	0
16/02/2015 09:43	Completed	16/02/2015 09:43	16/02/2015 09:43	<input type="checkbox"/>	G184	7.5	7.5	0
16/02/2015 09:51	Completed	16/02/2015 09:51	16/02/2015 09:51	<input type="checkbox"/>	G240	6	6	0
16/02/2015 10:30	Completed	16/02/2015 10:30	16/02/2015 10:30	<input type="checkbox"/>	G242	6	6	0
16/02/2015 11:31	Completed	16/02/2015 11:31	16/02/2015 11:31	<input type="checkbox"/>	G237	30	36	6
16/02/2015 11:55	Completed	16/02/2015 11:55	16/02/2015 11:55	<input type="checkbox"/>	G249A	2.5	2.5	0
16/02/2015 12:01	Completed	16/02/2015 12:01	16/02/2015 12:01	<input type="checkbox"/>	G145	7.5	7.5	0
16/02/2015 14:08	Completed	16/02/2015 14:08	16/02/2015 14:08	<input type="checkbox"/>	G463	15	15	0
16/02/2015 14:29	Completed	16/02/2015 14:29	16/02/2015 14:29	<input type="checkbox"/>	G247	18	24	6
16/02/2015 15:04	Completed	16/02/2015 15:04	16/02/2015 15:04	<input type="checkbox"/>	G246	12	19	7
16/02/2015 15:11	Completed	16/02/2015 15:11	16/02/2015 15:11	<input type="checkbox"/>	G244	12	9.5	2.5
16/02/2015 15:15	Completed	16/02/2015 15:15	16/02/2015 15:15	<input type="checkbox"/>	G236F	9	9	0

## Contact us

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