



Features

- Consistent Concrete Quality
Accurate Records High Plant
Output Rates
- Easy To Operate
- Serial Communications With
Central Computer Systems,
C-PAK60 Shipping System,
C-PAK70 Technical Data Access
Package & Remote Maintenance
Systems
- Comprehensive Support Services



Description

The C-PAK50 Readymix Batching System provides consistently high product quality at high production throughput rates on readymix concrete plants.

It controls the weighing, discharge and where appropriate, the plant mixing of concrete in accordance with stored mix designs and specific load requirements.

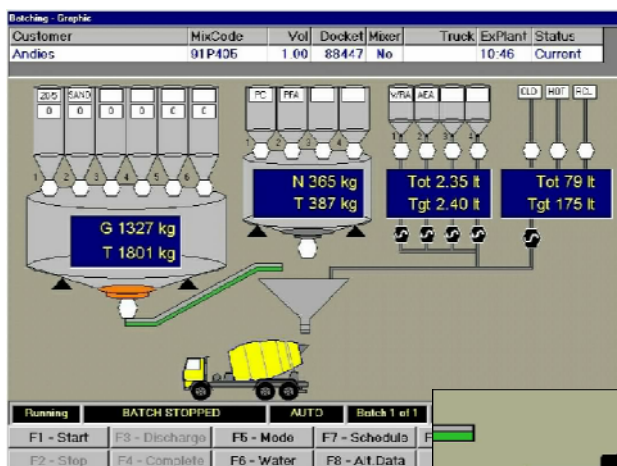
It provides for fully automatic operation with varying degrees of operator intervention as and when required.

Load Reports are archived for subsequent viewing or hard copy printout. They include theoretical and actual material quantities batched and associated load data such as Customer Name, Site, Docket No, and other Delivery Docket data where appropriate.

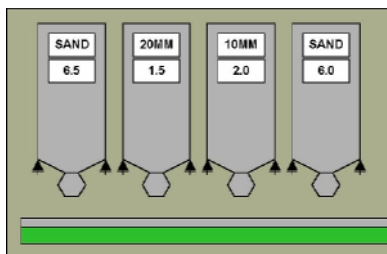
A wide range of Configuration, Method and Adjustment settings are available to set-up and tune the system for optimum operation in any type of application.

Plant & Method Variations

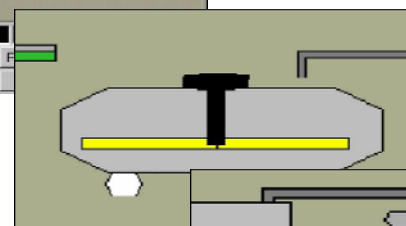
Plant variations include aggregate weigh hopper or backweigh bins, batch conveyor or skip hoist and pan or drum mixer. Method variations include dry batch, wet batch, half wet batch and mortar/screed wet batch.



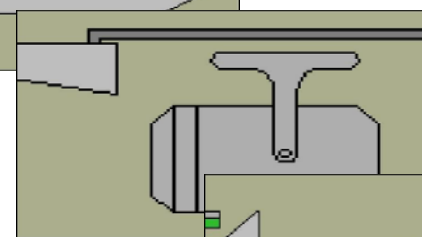
Dry Batch



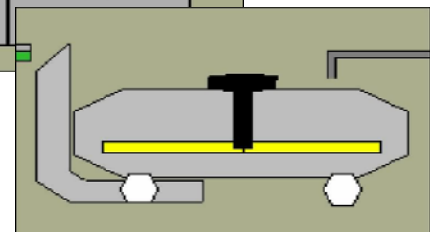
Backweigh Bins



Wet Batch
(Pan Mixer)



Wet Batch
(Drum Mixer)



Half Wet Batch

Security

Access to the configuration and adjustment settings may be restricted to supervisors, technical staff and managers. Standby batching records are archived for access by management only as a means of detecting any unauthorised batching.

Operation

Loads are selected for batching from the Load Schedule.

If batching communications with a shipping system are provided the Load Schedule may be switched between REMOTE mode and LOCAL mode; otherwise it remains in LOCAL mode.

In REMOTE mode loads are received from the shipping system: in LOCAL mode they are selected by using the Add New Load screen. Also, Batched loads may be repeated directly from the Load Schedule by operating ENTER.

Load Schedule 12:09

Customer	MaxCode	Vol	Docked	Mixer	Truck	ExPlant	Status
COUNCIL YARD	20150	2.00	88432	No		14:50	Ready
J B SANDERS	18P240	6.00	88433	No	S312RT	12:08	Batched
KIER SITE 3B	10200	3.60	88431	No	R54TYD	12:08	Batched
KIER SITE 3B	10200	3.60	88434	No		12:09	Ready

Add New Load to Load Schedule

Customer: J B SANDERS
 Mix Code: 18P - 240
 Volume: 6.00
 Truck: [blank]
 Through Mixer: No
 Use Reclaim: Yes - 0%
 Use Hot: No
 Slump: 50 - NORMAL
 Time ExPlant: 12:09
 Admixtures: Code [blank] Dosage [blank] Ratio [blank]
 AEA 0.358 8.750kg Cum
 Schedule 18P

Material	Batch Target	Load Target
20-5MM SAND	67.38	67.38
PC	1152	1152
PFA	288	288
AEA	8.640	8.640
Cold	841	841

 Number of Batches: 1
 F1 - Start F3 - Discharge F5 - Mode F7 - Schedule F9 - Truck No F11 - Alarm
 F2 - Stop F4 - Complete F6 - Water F8 - All Data F12 - Screens

Batching - Tabular

Customer	MaxCode	Vol	Docked	Mixer	Truck	ExPlant	Status
Andros	91P405	1.00	88447	No		10:46	Current

Name	Bin	Load Target	Batch Target	Load Actual	Batch Actual
20-5MM SAND	2	815	815	802	802
Aggs		996	996	985	985
PC	1	272	272	264	264
Ceats		138	138	111	111
PFA	2				
WRA	1	3	3	3	3
Adms					
Cold	0	0	0	0	0
Wats					

Running BATCH STOPPED AUTO
 F1 - Start F3 - Discharge F5 - Mode F7 - Schedule F9 - Truck No F11 - Alarm
 F2 - Stop F4 - Complete F6 - Water F8 - All Data F12 - Screens

Batching

Two batching screens are available: the Tabular Graphics screen (see opposite) that provides an instant view of the plant state and the Tabular screen that provides numeric data for manual batching.

Both screens show the same function control keys and the same Current Load details at the top of the screen

Delivery Docket Printing & C-PAK60 Shipping System

Facilities can be added to print on either standard or customised pre-printed delivery dockets. This facility is normally used when the system is linked to a central computer system or to a C-PAK60 Shipping System (see separate leaflet). It can be used in LOCAL mode whereby docket data is manually typed in by the operator.

PRACTICECONCRETE LIMITED
 Chapel Lane, Rode Heath, Stoke-on-Trent ST7 3SD
 Telephone: 01246 576111 Fax: 01246 576857
 VAC Reg No: 345 64328
 Docket DEJ23456 Date: 17th April 2004

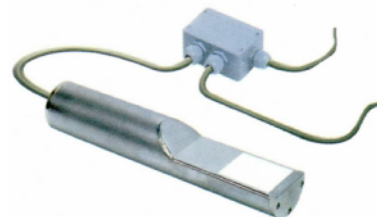
Customer: Bob the Builder 104
 Site: Old School House, Oldbury Road, Albion, Stoke-on-Trent, Staffs ST4 2EF
 Account No: AC245608 Order No: 0387654
 Mix Code: 2023P315 Max: C28 Pump
 Order Vol: 60.00 Design: MOC: 100 Max Agg: 20
 Load Vol: 6.00 Slump: 75 Max W/C: 0.45 Vol Reg: 04.66 JMK
 Order No: 48.00 Admix: AEA
 Time ExPlant: 12:24 Cold: 121456
 Time On Site: [blank]
 Time Of Day: [blank]
 Water added at Customer's Request: Lt Signature: [blank]
 This document is a record of the concrete delivered and is not to be used as a receipt for the concrete delivered.

Received goods stated: Signature: [blank] Print Name: [blank]
 Customer: Ready Mixed Concrete - Represents delivery of concrete as specified. All material supplied is subject to the company's standard conditions of sale. The volume may have been reduced or increased in accordance with the company's standard conditions of sale. The volume may have been reduced or increased in accordance with the company's standard conditions of sale. The volume may have been reduced or increased in accordance with the company's standard conditions of sale.

C-PAK70 Technical Access Package

This PC software package provides remote access to technical data in any number of C-PAK50 installations via local area or digital telephone networks.

Mix design and load report data can be uploaded and stored in the system; while new or modified, mix design data can be downloaded. Issue records can be kept.



Aggregate Moisture Compensation

The system accepts serial microwave moisture probe signals as standard. Alternatively, moistures can be manually set. It compensates for aggregate moistures by increasing aggregate targets and decreasing water targets accordingly.



Engineering Data Load Cell Weighing

10V DC @ 125mA max, 1 x 4 x 350 ohm load cells may be connected in parallel.

Accuracy

Up to 16,000 +/-0.5divisions. 16bit 1:65,000 internal resolution.

Calibration

By pushbutton operation; Zero and Cal to known weights. Pass number protected.

Supply

Nominal 110V

Environment

Operate 0-50°C, 20-80%RH

Non-condensing. Storage -40 to 80°C

Remote Slumping & Washout Stations

The Remote Slumping Station enables slumping water added after trucks have moved out from the plant being retrospectively recorded on Load Reports.

The Remote Washout Station enables drivers to batch a preselected cleaning mix of stones, admixture and water, to their trucks at the end of the day when the regular batcher may have left site. The system then prompts for the added quantities to be deducted from each truck's next load.

Maximum Throughput Rates

When multi-batching, one batch is weighed while the previous batch is being mixed. Also, the first batch of a load may be weighed while the previous load is being slumped.

Truck Loading Rates

Reduced truck loading rates may be selected for particular truck registrations.

Alarms

These are raised under all conditions that stop the batching e.g.

- Weigh door not closed
- Cements over weight
- Mixer not running



Service

On-site commissioning and maintenance services are provided by Practicon and its appointed overseas suppliers.

Telephone/modem support and parts/replacement services are provided by Practicon from its base in the UK.