CANTECH CB-2000

Take control of your concrete batching ...

Remotely

Integration of batching and despatch operations from an office remote from the plant itself:

- Saves cost of batching operator
- Allows integration with larger order systems and ticket printing
- Allows networking to laboratory and management PC systems
- Permits cleaner, healthier working conditions for operational staff
- Eliminates misunderstanding of requirements between batching and despatch operators
- Allows drivers to call up loads when plant otherwise unattended eg at start and end of the day
- Provides fully interleaved batching control on combined readymix/concrete products plants
- Includes full on-line modem diagnostic and support facilities

Or Locally

Whether operated remotely or from a conventional control room Cantech PC batching control ensures:

- Consistently high product quality, irrespective of plant operator
- Savings in usage of expensive ingredients eg cement, admixtures and pigment
- Full batch data recording meeting QSRMC and ISO9000 traceability requirements and increasing site security
- User-friendly operation allows greater flexibility of staffing without compromising product quality

… for both readymix and concrete products

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The often conflicting needs of reducing costs whilst ensuring high product quality and improving employee health and safety are all met by using Cantech's latest-generation CB-2000 concrete batching control system ***to operate the batching process remotely from a main despatch room or weighbridge office.***

This remote operation removes the need for a manned conventional control room close to the plant, ***allowing one operator to combine the batching operation with the truck allocation and despatch functions.*** Not only does this reduce costs but eliminates errors from misunderstandings between despatch staff and batching operator, and allows the one operator to work in office conditions away from the cement dust, noise and vibration often associated with the plants themselves.

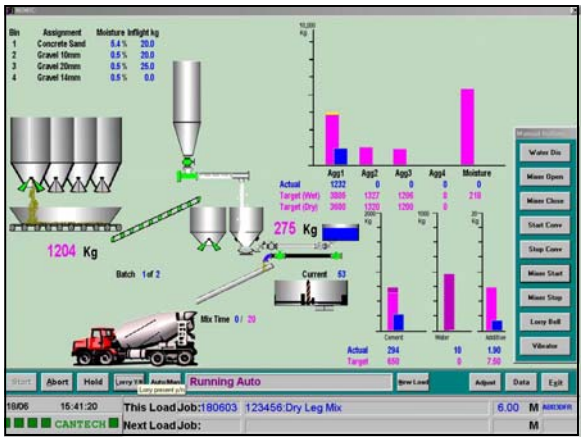
Furthermore in addition to ***full standalone docket printing and production scheduling facilities*** the use of latest PC-based technology allows for ***integration with wider customer IT systems*** to permit integration with ordering, invoicing etc.

Furthermore where the plant has a mixer fitted the system can be arranged automatically to insert the readymix truckloads - either dry leg or mixed - between batches of a different mix for concrete products applications eg block making, ***allowing optimum use of one plant for two processes*** - all overseen from the remote office.

Consistent high quality is then ensured by batching automatically to stored recipes or mix formulae including in-built compensation of cement and admixtures to achieved aggregate weight, sophisticated in-flight allowance and adjustment for inherent moisture.

Where a mixer is fitted the system provides fully automatic water top-up to achieve the required slump/consistency, without relying on the skill and diligence of any individual operator; back-calculation of sand moisture contents, avoiding the need to install expensive moisture probes; and automatic control of the extent of opening of the mixer door to suit the individual truck, to fill each truck as quickly as reasonably possible without swamping those needing to be filled slowly.

The CB-2000 operator workstation is based on a standard PC and uses latest Windows techniques and state-of-the art colour graphics (pictured right) to provide very clear, user-friendly operation. Load details are entered in a fully prompted manner, including an ID number unique to each truck, and a queue facility is provided enabling the details of several truckloads to be pre-entered into the system.



The system also records the weights of all ingredients dispensed into each batch, with overall totals for each load, which along with related data such as vehicle registration, date, time, location etc ***provide full traceable records to meet modern Quality Scheme requirements*** eg QSRMC and ISO9000. This includes details of loads made manually through the system, ***to deter and/or detect attempts at unauthorised use of the plant.***

The truck drivers then proceed to the plant, pull into position for loading and enter their ID number through a compact, rugged station (shown left) : the system then recalls the required quantity and mix specification for that truck from its queued list and batches this fully automatically. The trucks can be loaded in any order and at any time: loads can be pre-entered in normal office hours ***for trucks to collect late that afternoon or evening or early the following morning when the despatch office may be unattended.***

The records are held on disk in standard file formats which can be read into common spreadsheets or transferred onto other PCs in central laboratories or ***onto wider IT systems via standard PC networks or broadband internet connection,*** or via CD or memory stick.

The CB-2000 is part of the Cantech range of control systems for Construction Materials processes, including batching of mortar and asphalt and blending and loading out of quarry aggregates; all developed, supported and serviced ***- including full online modem diagnostic facilities -*** by personnel with experience of over 250 control installations throughout the UK and Ireland. Further savings can often be achieved by using the CB-2000 alongside these related systems to combine operation of two or more different plants from one central control room.

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