

## *Complete control of your asphalt plant ...*



### **Includes**

- ◆ Sequenced single-button start of all plant motors
- ◆ Integrated control of cold feed including self-learning facility
- ◆ Automatic regulation of burner to control material temperature
- ◆ Automatic control of dryer pressure via variable-speed exhaust fan
- ◆ Automatic batching of all materials to stored recipes with binder compensation
- ◆ Fast, safe integrated control of skip motion/discharge with contamination check
- ◆ Automatic loadout from hot storage with weighbridge office/signboard option
- ◆ Full data recording of all batches made and loads despatched
- ◆ Facilities for networking to laboratory and management PC systems
- ◆ Full remote on-line modem diagnostic and support facilities

***... all from a remote office with one PC***

# CANTECH AP-2000

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 AP-2000 asphalt batching control system. This **operates the complete coating plant remotely from a centralised control room or weighbridge office.**

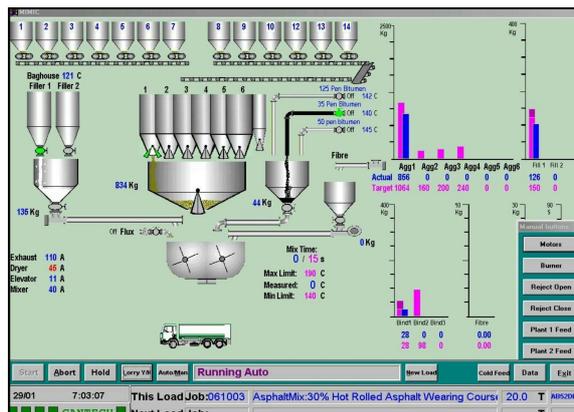
Furthermore use of the latest PC-based technology allows for **full integration with wider customer IT systems** to permit integration with ordering, laboratory systems etc.

This remote operation **removes the need for a manned control room close to the plant, allowing one operator to monitor and control two plants from one central control room,** or to combine plant control with other functions such as weighbridge operation at quieter times of day. This not only reduces costs but also allows the operator to work in office conditions away from the dust, heat, noise and vibration often associated with the plant itself.

The AP-2000 workstation is based on a standard PC and uses latest Windows techniques and state-of-the-art colour graphics (pictured top right) to provide very clear, user-friendly operation.

The system includes **single-button plant startup** with current monitoring for selected motors; **integrated cold feed control including self-learning facility** (shown right); **automatic temperature control;** **automatic control of dryer vacuum,** via variable speed control of the exhaust fan or via a conventional damper; and **automatic batching to stored recipes,** including in-built compensation of binder, fibres etc to achieved aggregate weight, sophisticated in-flight allowance etc.

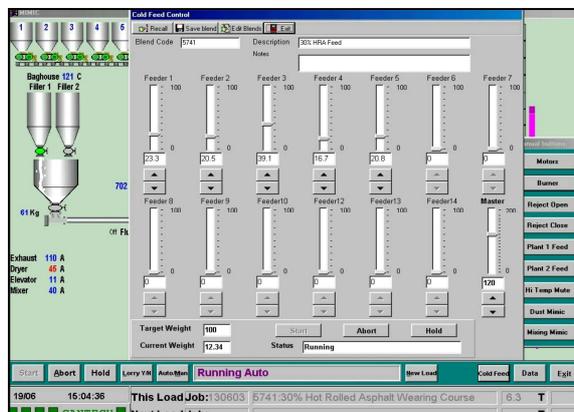
**and weights of all ingredients** dispensed into each batch, plus details of each load whether loaded direct from the mixer or using the **integrated hot storage loadout facilities;** along with related data such as vehicle registration, date, time, etc these provide **full traceable records to meet modern Quality Assurance requirements** eg ISO9000.



Main colour graphics mimic screen



Signboard directs remote loading



Feed control with self-learning facility

This allows the complete production process to be controlled to produce the same **consistent high-quality product without relying on the skill and diligence of any individual operator.**

Further savings can often be achieved by using the AP-2000 alongside these related systems to combine operation of two or more different plants from one central control room.

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. These ensure there is a record of all production - **even that conducted manually though the system** - to deter and/or detect any attempt at unauthorised use of the plant.

Alternatively the plant can continue to be operated from a local control room but with **link to a weighbridge office terminal:** weighbridge staff allocate the loads or even control the loading from hot storage. The optional **signboard facility** (pictured left) can be used to direct drivers who are then instructed to stay in their cabs - **reducing risk of injury by limiting personnel movements on site** - without requiring noisy tannoy systems, thus helping to maintain good relations with local residents close to urban sites.

The AP-2000 is part of the Cantech range of control systems for Construction Materials processes, including batching of concrete and mortar 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.