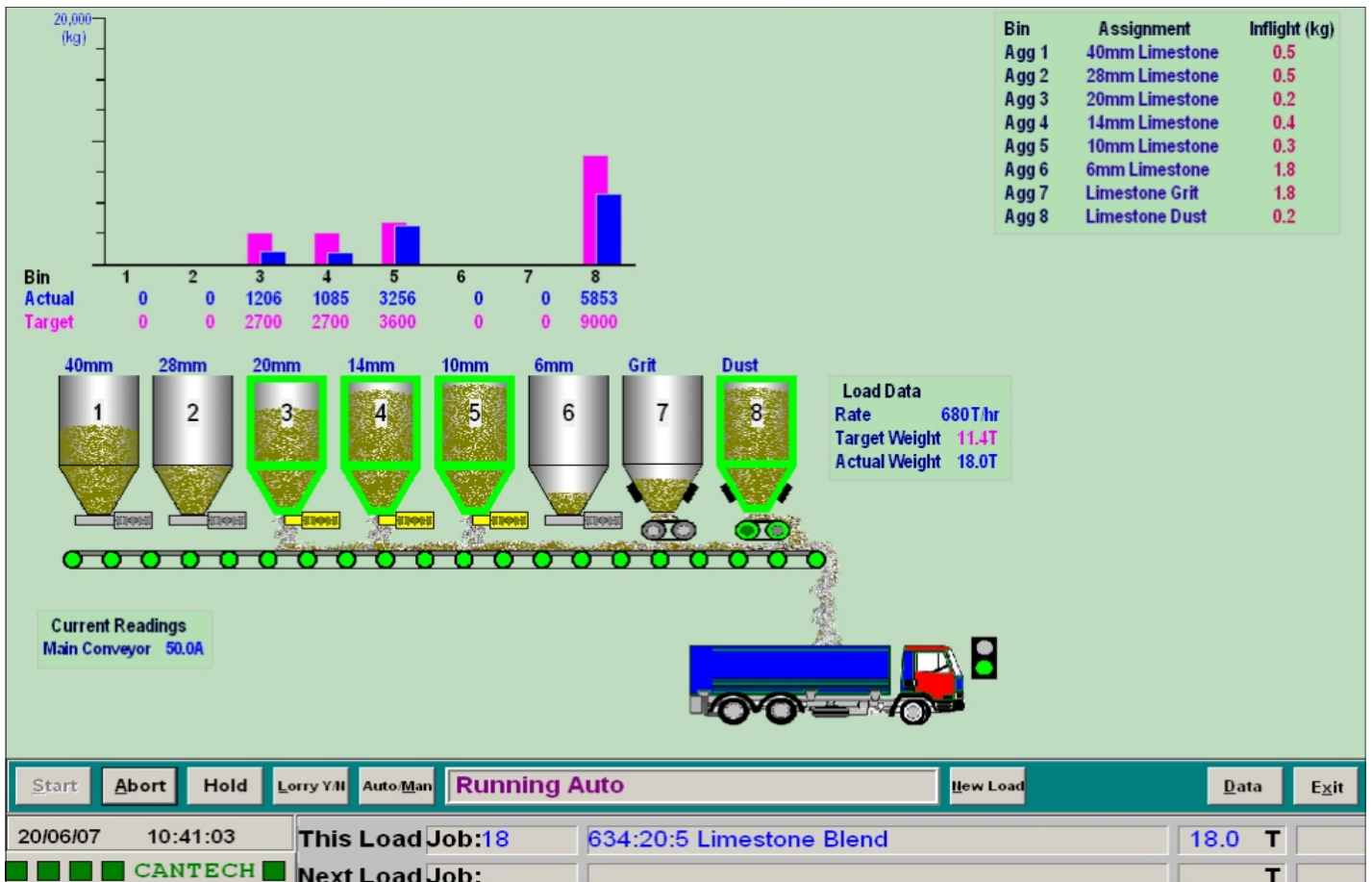


Accurately loaded blended dry stone ...



Includes

- ◆ Accurate load weights of both blended and single-size products
- ◆ Control of both variable speed and variable gate ('Checkmark') feeders
- ◆ Closed-loop speed control of erratic materials eg dust, powders
- ◆ Centralised control away from the plant eg in weighbridge office
- ◆ Signboard option to avoid drivers getting out of their cabs
- ◆ Facility to link to weighbridge computer systems
- ◆ Facility for vehicle drivers to start, hold and resume loads themselves
- ◆ Full data recording of all loads dispatched in Excel format
- ◆ Full remote on-line modem diagnostic and support facilities

... from a remote office using latest PC control

CANTECH BL-2000

The often conflicting needs of **reducing costs** whilst ensuring **highly accurate loading and blending** and improving **employee health and safety** are all met by using Cantech's latest-generation BL-2000 blending and loading control system. This **operates the loadout process remotely from a central 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 systems, docket printing 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. This both reduces costs and allows the operator to work in clean conditions away from dust, noise and vibration often associated with the plant itself.

The BL-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. 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 registration number of the truck at the head of the queue is displayed on the optional signboard (pictured right).

The truck drivers then proceed to the plant, pull into position for loading and enter their ID number through a compact, rugged station (shown below) : the system then recalls the required quantity and mix specification for that truck from its queued list.



The system then starts each required feeder in a delayed sequence to give a blunt-end effect; dispenses the load automatically to the target weight; then shuts down in similar delayed sequence.

The system also records the **total weight** dispensed into the load, as measured from the main beltweigher, and details of the proportion of each ingredient in the blend, taken from the recipe. Along with related data such as vehicle registration, date, time, etc these provide **full traceable records to meet modern Quality Assurance requirements** eg ISO9000.

The records are held on disk in standard file formats which can be read into spreadsheets or transferred onto other PCs or **onto wider IT systems via standard PC networks or by broadband internet**.

Thus there is a detailed record of all production - even that conducted manually though the system.

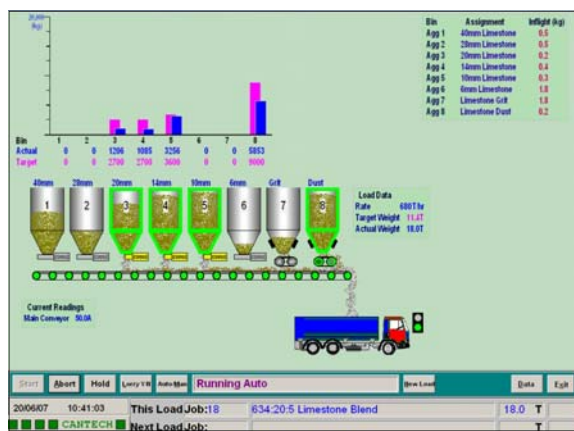
The system includes **sophisticated calibration facilities**, with ten calibration points for each feeder including ability to select the points as required throughout the range eg to concentrate them at the lower rate end where feeder performance is often worst; the system then includes user-friendly facilities to run each feeder in calibration mode and record each setting at the click of a mouse.

The system also monitors and displays the contents of each bin from **continuous level indicators** where fitted, including ensuring that those blends requiring material from bins fitted with variable gate outlets ('Checkmark doors') are prevented from feeding if the bin level is lower than an adjustable threshold; and also monitors the condition of any **starvation sensors** fitted on the feeders.

The system also monitors the measured rate across the beltweigher at all times, constantly comparing it against that expected from knowledge of the target rate of each feeder. This assists in detecting and reporting any under- or over-feed from any feeder.

The BL-2000 is part of Cantech's range of control systems for Construction Materials processes, which includes batching of concrete, mortar and asphalt; all developed, supported and serviced - **including full online modem diagnostic facilities** - by personnel with experience of 250 installations throughout the UK and Ireland.

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



Main colour graphics mimic screen



Signboard directs remote loading