Total mixed ration preparation system (TMR) Multimix Dairy

The illustrated model is in accordance with the standard UL508

Designed for its efficiency and its simplicity of use

General introduction

The year 1995 marks the beginning of our first systems of control of total mixed ration (TMR) and since then we have never stopped putting emphasis towards the improvement of our panel **Multimix Dairy**. These last years have allowed us to identify the needs and expectations of the dairy producers while adding a tremendous amount of experience in pursuing the development of automated systems. Many things have changed over the years and lots of new equipment and new technologies are now available to make the production of automated systems easier and with a higher degree of performance. On the other hand, one thing has not changed, it is our desire to always offer to our users a system that is both simple and easy to use and this new version reflects well our relentlessness. The remote access via internet is really the key point that stands out with this new generation which will allow us to offer more versatility and performance to our users!
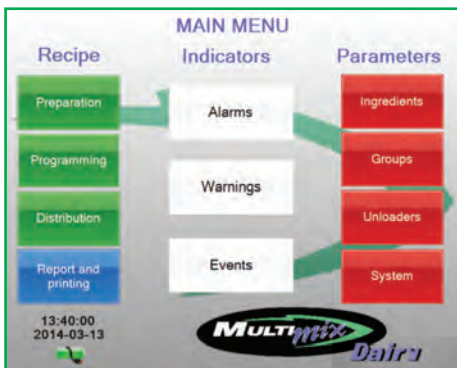
Industrial computer with color touch-sensitive screen of 15 " with large dimension buttons allowing the use of gloves
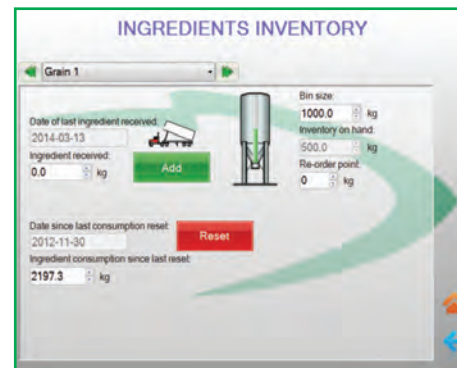

The programming of recipes is easily made and up to 12 recipes and 20 ingredients can be used
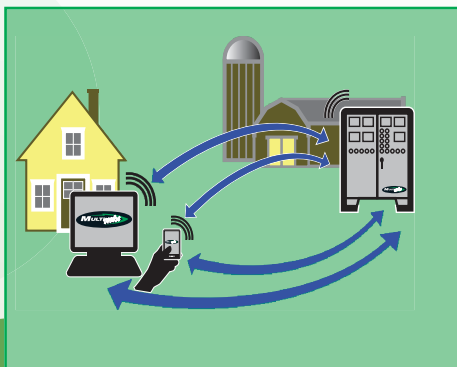

Simple main menu grouping the tabs in categories with color coding

Inventories follow-up menu with set values reminders of the minimal threshold to place your orders with your supplier
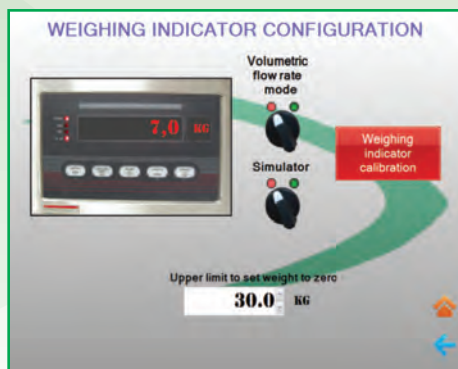

Remote access via Internet from your computer, from your pad or from your mobile phone
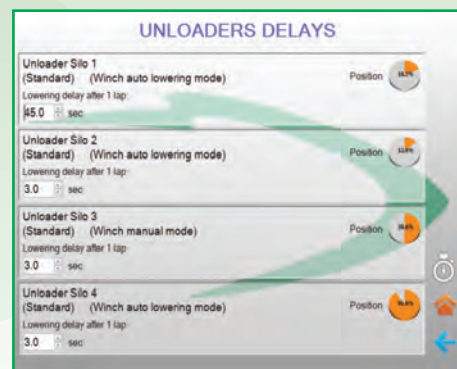

The production screen makes the course of the ongoing recipe easy to view at a glance the important information on the progress of the operations

The system takes control of the calibration process of the weighing indicator directly from the Multi-Mix application

WEIGHING INDICATOR CONFIGURATION

Volumetric flow rate mode

7,0 KG

Weighing indicator calibration

Simulator
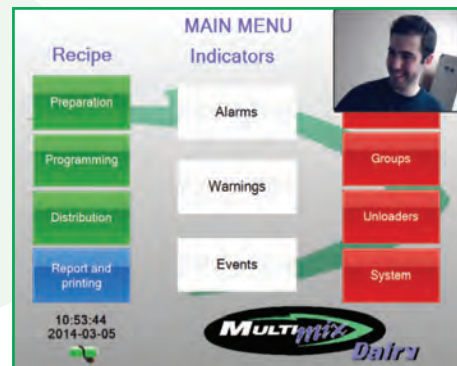
Upper limit to set weight to zero

30.0 KG

The parameters of operation of the unloaders' winches requiring frequent adjustments are presented in a directly accessible window from the main menu for a fast and simple access

UNLOADERS DELAYS

Unloader Silo 1
(Standard)   (Winch auto lowering mode)
Lowering delay after 1 lap:
45.0   sec   Position

Unloader Silo 2
(Standard)   (Winch auto lowering mode)
Lowering delay after 1 lap:
3.0   sec   Position

Unloader Silo 3
(Standard)   (Winch manual mode)
Lowering delay after 1 lap:
3.0   sec   Position

Unloader Silo 4
(Standard)   (Winch auto lowering mode)
Lowering delay after 1 lap:
3.0   sec   Position

During the trigger of an alarm, a menu with illustration will appear to guide you quickly towards the solution to proceed system's reset

RECIPE IN PROGRESS

ALARM

Motor Overload Fault

Please see pictures beside according panel voltage.

Turn off power and open front door to locate the overload relay that is tripped.

Press the reset device indicated by the arrow to reset fault.

RESET   SILENCE

TOTAL (kg)   2106   1306.6

The requests for assistance are directly forwarded to us via the Skype application to our offices or on the mobile phones of the members of our staff and all this 24 hours a day/7 days a week

MAIN MENU

Recipe   Indicators

Preparation   Alarms   Groups

Programming   Warnings   Unloaders

Distribution

Report and   Events   System
printing

10:53:44
2014-03-05

Technical support via Internet thanks to the use of a microphone and a loudspeaker quickly installed on the front door

TeamViewer

Thanks to the TeamViewer application our technicians are directly connected to your program if need be


USB PORT COMMUNICATION

System Features

- Operating system Windows 7, in 32 bits;
- Migration of systems existing on your farm (**i.e. possibility of migration with systems not having been built by Multico**);
- All the components are included in one panel;
- Versatile and flexible system adaptable to all models of mixers and systems of distribution of ration sold on the market;
- Support and technical assistance via Internet directly on your system;
- Shared remote control for the operation of silo unloaders and related equipment;
- Alarm messages transmitted by e-mail;

- Menu of history of alarms and events;
- Programming of recipes according to the dry matter content or such as served;
- Adjustment of the proportions of ingredients according to the weight of the added round or square bale;
- Automatic adjustment of the unloaders' lowering delays according to the load;
- Possibility of multiple features on the mixer by the use of a variable frequency drive (VFD);
- Several other available features on request.

Details that make all the difference…

1- Fan less industrial computer with 15" touch-sensitive screen. Type 4x cUL approved;

2- All conveyors' rotation sensors are linked with a pilot light indicating the state of the sensor;

3- 4X Type industrial stainless steel digital weighing indicator by Rice Lake and ready to be approved by Measurement Canada;

4- Industrial surge arrester to limit the damage ensuing from lightning;

5- All motors' overload relays are equipped with an individual pilot light activated in case of release of the protective device;

6- Front door silkscreen with customized process diagram with the name or the logo of your farm (no useless picture of landscape for esthetic purposes).
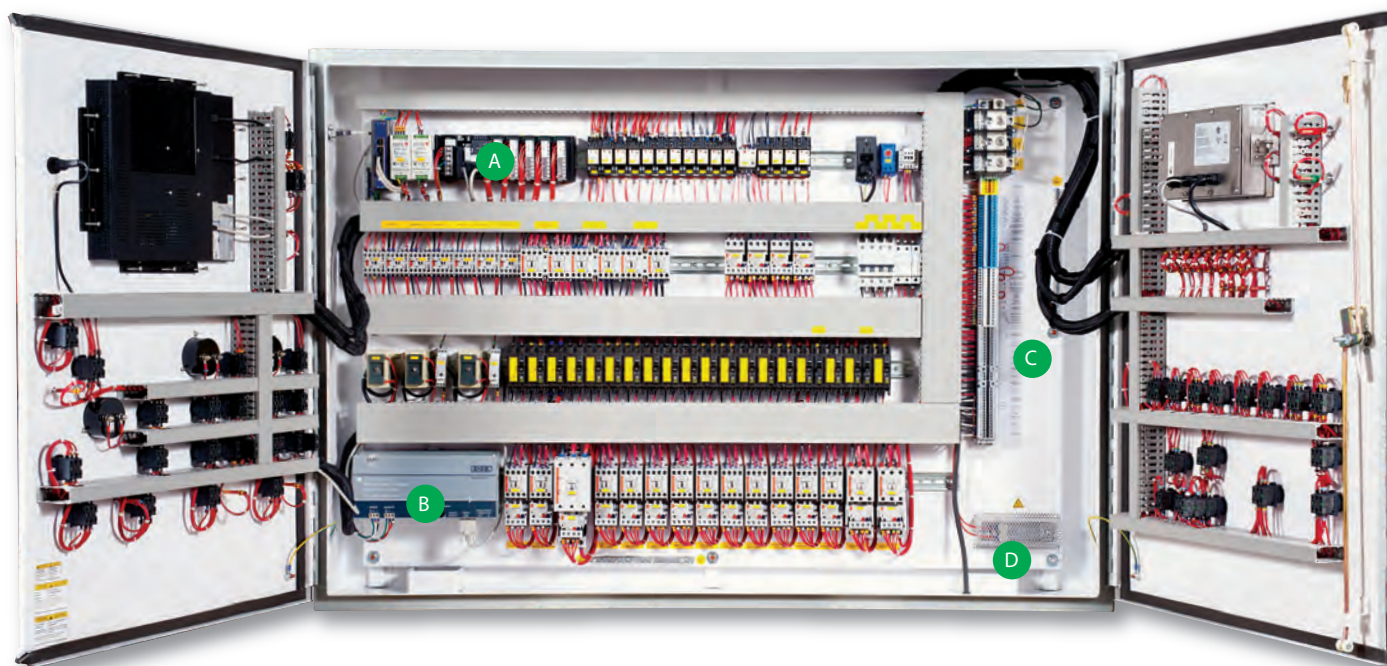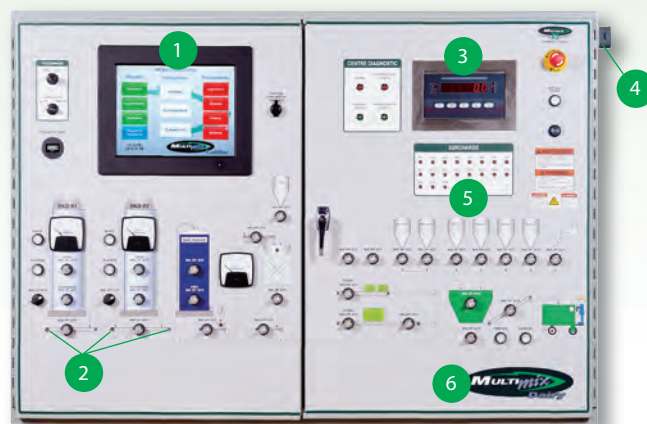
A- Use of an industrial programmable logic controller by OMRON;

B- Intelligent inverter (UPS) connected with the industrial computer to react in case of power failures or of system default;

C- Connecting terminals with identifier to facilitate the connections of the sensors and other peripherals;

D- Heating device to prevent condensation and maintain an adequate operating temperature of all devices.