



DYNA*COUNT CONVEYOR SYSTEM

NEED TO KNOW HOW MANY ARE IN THE BOX?

NEED TO KNOW HOW MANY YOU HAVE PRODUCED ?

THE DYNA*COUNT WILL SOLVE YOUR PROBLEM WITH A COUNTING SYSTEM BASED ON THE WEIGHT OF YOUR PRODUCT, SIMPLY CALIBRATE THE SYSTEM TO YOUR PRODUCT WEIGHT, TARE THE CONTAINER AND SET THE QUANTITY REQUIRED. ACCURATE TO 1 IN 1000 WITH A PRODUCT WEIGHT AS LOW AS 3 GRAMS.

THE FLEXIBLE PLC CONTROL WILL PROVIDE YOU WITH ALL THE DATA REQUIRED:-

- QUANTITY IN THE BOX DURING THE COUNT CYCLE
- NUMBER OF BOXES FILLED
- TOTAL QUANTITY OF PRODUCT PRODUCED
- PRODUCT CODE
- PRODUCT DESCRIPTION
- PRINTOUT FACILITY
- BAR CODING
- COMMUNICATION LINK TO A MANAGEMENT DATA SYSTEM

VARIOUS OPTIONS AVAILABLE FOR PRODUCT AND CONTAINER FEEDING SYSTEMS.

DYNA*COUNT CONVEYOR SYSTEM

USE

The Dyna*Count box filling system is used to count product with varying weights. Once a target component count has been reached an empty box will be loaded after the full box has been removed from the weigh scales. Depending on the requirements of the user the configuration of the conveyors can be designed to suit using the unique Dyna*Con conveyor belt system.

LIMITATIONS

The weigh scale can accommodate products with individual weights as low as 3 grams. Any weights below this should be referred to the supplier for suitability. Capacity of the standard load-cell assembly is 60 kilograms with a component capacity of 40 kilograms. If higher capacity is required please refer to supplier for information.

CONSTRUCTION

The standard system configuration comprises of four Dyna*con belt conveyors. The empty box conveyor will deliver empty boxes waiting to be filled on to the weigh conveyor. The full box conveyor removes the full boxes from the weigh conveyor. The loading conveyor is variable speed and delivers the component from the process to the box. When close to the target quantity in the box the conveyor will slow down to prevent overfilling.

The control system has a user friendly touch screen display (see below pictures) that allows the operator to set the box quantity and calibrate the system according to the product being counted. The control also keeps track of how many boxes have been filled and total number of components loaded into boxes. A PLC controlled system allows flexibility and networking of machines. If required a central monitoring system can be used to communicate with multiple machine's to allow information to be used for management analysis.

The system is self-monitoring telling the operator when the machine is out of empty boxes or that the full box conveyor has no more room for full boxes.

