



## **MasterWeigh NT**

**Intelligent Control of Off-line Manual Weighing**

- Chemical
- Rubber
- Drugs
- Animal Feed
- Additives weighing
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**MasterWeigh NT uses standard PC technology networks and databases to ensure expandability and prevent future obsolescence.**

**W o r l d C l a s s P r o c e s s C o n t r o l**

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## Standard Hardware/Software

AutoPilot4Feed's **MasterWeigh NT** consists of an Operator Station (standard PC running on Windows NT) and display linked to a Loadcell Platform Scale.

Using this approach, any PC and accessories may be chosen and the system can be fully designed to meet the site requirements. This provides maximum flexibility in **MasterWeigh NT**'s industry-wide application. **MasterWeigh NT** uses the latest Windows platform and all data is held in a standard ODBC relational database. This means that it can be networked and integrated to other computers and control systems, thus preventing future obsolescence.

## Operator Friendly

Once **MasterWeigh NT** has been configured, operation is very straightforward. The display unit shows the operator important details about the formula / recipe code, batch number, material code, target and actual weight, status etc.

The screen also incorporates a 'weight-bar' together with an indication of the target weight and tolerance limits for the material. As the weight changes, the bar moves up the screen towards the indicated tolerance levels. (On a color screen you see the weight-bar changes color when depending on whether its underweight, within tolerance or is overweight.)

Once all materials are weighed, the batch details are stored in the database for logging and printing.

**MasterWeigh NT** can be used with either a standard or simplified keypad. Dedicated keys are used for specific operations making it easy to understand and easy to use (even if wearing gloves).

## Prevents Mistakes

Up to 4000 formulas / recipes can be stored in the database, either in **MasterWeigh NT** or on a other networked computer. Each formula can have up to 50 ingredients, specifying weight (Kg or %) and upper/lower tolerances.

Each material must be predefined as either weighed by the **MasterWeigh NT** station or elsewhere. The station will only display/weigh ingredients predefined for that particular station. This reduces the potential for the wrong materials to be introduced.

**MasterWeigh NT** will not allow a weighment to be completed which is out of tolerance. In addition, once a material has been weighed, the system will not allow the material to be selected again - thus preventing double weighing.

Integration with other systems – such as formulas / recipes means that the formulas are always the most up-to-date versions. This removes the need to issue printed weighing sheets and reduces errors

Password protection – all configuration options are password protected to prevent unauthorized access.

## Weighing Modes

For flexibility the system has two modes of weighing:

- Complete batch by complete batch – where all materials for the 'product' are weighed consecutively.
- Material by material – Several consecutive batches of the same material can be weighed (up to 16 batches).

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## Speedier Hand Weighing

**MasterWeigh NT** has several features which speed up hand weighing – while still maintaining accuracy e.g.:

- The production schedule can be viewed on-line for quick and easy reference.  
**MasterWeigh NT** can take up to 20 production lines to be scheduled together with the number of batches required per product.
- Single button press for next material
- Priority product facility
- Automatic tare

## Options

- Batch Printouts – using ‘Crystal Reports’
- Traceability – if tracking of materials is required, **MasterWeigh NT** can be provided with sophisticated facilities for full traceability, including reading bar-codes.
- Multi-Station Networking – multiple **MasterWeigh NT** stations can be networked with other SCADA and Process Control products. This includes **AutoPilot4Feed**, a fully configurable batch weighing PC/PLC package.

*DSL & Comco Systems are used around the World, therefore **MasterWeigh NT** can be made available in different languages.*

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