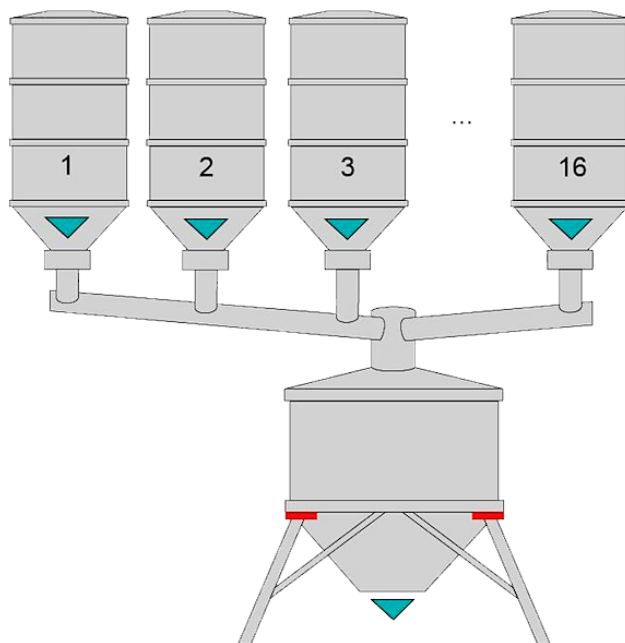# Firmware
Multi Component Dosing FW-DM
Special dosage firmware for automatic dosing and merging of multiple components. Completely programmable ticketprint layouts.

Suitable for automatic dosing and merging of multiple components. Completely programmable ticketprint layouts.

Main features

- for automatic multiple components dosage
- check of the tare presence at dosage start; the tare values are programmable for each recipe
- programmable number of repetitions of the dosage cycle; registration of the consumption
- programmable database of 500 formulas with 16 characters description each, target, flight weight and tolerance; speed
- change (approximate and fine), minimum and maximum tare
- dual dosage speed (approximate and fine), managed through output active in constant mode or with bleeding function, with programmable ON/OFF time
- quick modification of target weight by preset key
- dosage Start / Pause from keyboard or through activation of the inputs
- automatic printing of the dosage data
- automatic recalculation of the formula targets, by entering the total weight to be dosed
- storage and printing of the consumptions: consumption of each formula, recipe consumption, dosed general total; printouts quickly recallable from keyboard
- automatic correction of the flight weight, with programmable incidence degree
- tolerance test on the dosed weight, with guided correction through simple messages on the display
- (optional) analog output proportional to the weight or to the dosage speed
- control of the maximum dosage time and alarm management
- alarm indication in display
- management of the dosage on various scales (up to 4 independent), with automatic scale change during the dosage
- completely programmable printouts, for compatibility with any ASCII printer manageable through the serial port; printing of the dosage data, the recipe, consumption and totals' data
- this firmware applies to our weight indicators of the types **HP(R)-Ultra**, **HP(R)-Touch**, **VPI-U** and **VPI-U-Advanced**
- see also the details of the respective weighing indicator

Firmware
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Principle Diagram