

AGRIFLEX

MICROINGREDIENT DOSING AUTOMATION

The automated handling of micro-ingredients allows an always constant dosing of the product, eliminating the wastes deriving from manual dosing, helping hygiene and cleanness for a better running of the company. Besides, Agriflex installations comply to the ATEX regulations against powder explosion.

1 only supervisor can handle, through the electronic panel, all the phases of loading and dosing of the recipe. Furthermore, the weighing of each ingredient is carried out automatically up to the conclusion of the cycle, after which the system will send the microingredients in the mixer.

The high precision in dosing and the versatility in the lay out of the micro-ingredient station and its operative panel (any number of recipes in memory and any number of dosing units are possible) will grant a reliable work.



Installation with pneumatically-charged micro-ingredient station and automated system for natural yeast dosing

Agriflex can manufacture microingredient stations with modular supporting structure for 2, 4, 6, 8, exc. dosing units. Each storing unit is dimensioned according to the features of the product to be stored, in order to grant a good precision.

Under the storing units, dosing is carried out with a precision screw, regulated for a precise and temporized dosing. The system performs the recipe into a single weighed unit, located in the inferior part of the structure. From there, the recipe reaches the final dosing point into the mixer in the times requested by the customer.

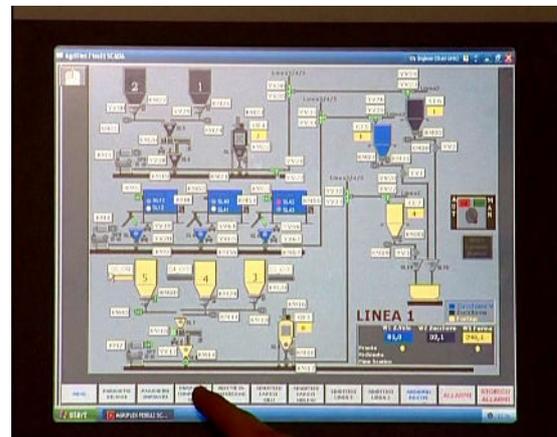


Internal detail



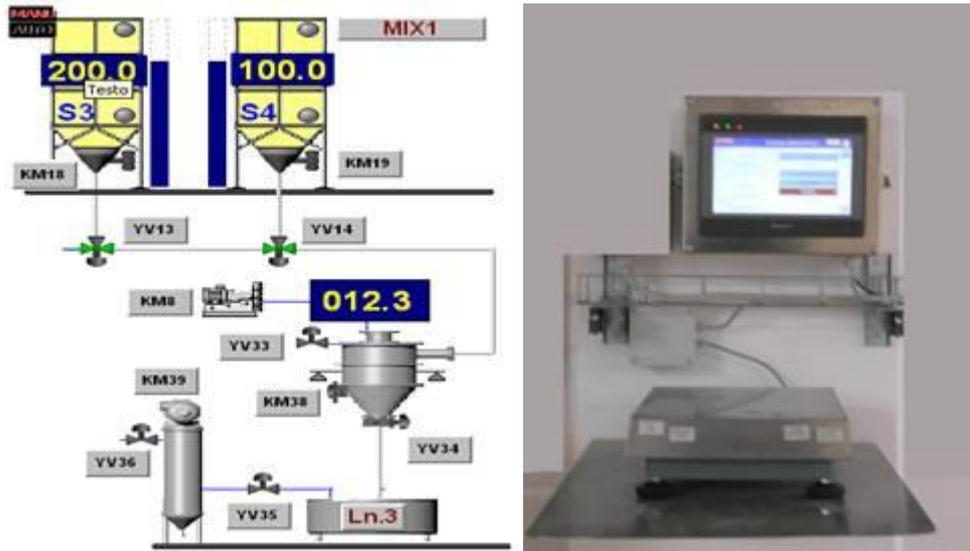
Precision screws

Weighing and dosing in the whole system is regulated by PLC and operating panel, in order to monitor the production of each recipe in any moment of the process, through a touch screen panel. The micro doses are crossed measured with the MACRO doses of flour or sugar and with the LIQUID doses.



Agriflex can customize the micro-ingredient stations according to the needs and the spaces of the customer. It is possible to manufacture structures with a collector on a rail system for manual or automated final dosing, system with a two-phase dosing system to allow a high number of batches in a short time, customized supporting structures, manual or automated loading solutions, exc.

We can also provide the customer with more simple manual weighing systems, connected to the PLC for a good handling of the final recipe.



Manual weighing system connected to the PLC and grafic touch screen

AGRIFLEX®



8 units group



6 units group from above



Customized sizes



Industrial solution for micro ingredients and automation of natural yeast.



Pneumatic vacuum load



Customized couplings for automated loading



Hopper for automated loading



Customated structures



Station adaptable to small spaces



Double-phase system for fast dosing

AGRIFLEX®