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## Micro-dosing Unit

*For the automatic micro-dosing of raw materials*



### ACCURACY AND VERSATILITY

*The high dosing accuracy and versatility of the micro-dosing unit of a linear and reliable work.*

### QUALITY AND SAFETY

*The micro-ingredients automatic handling allows an always constant dosing of the product, avoiding all raw materials wastes otherwise happening on manual handling, keeping the internal environment in order and clean in conformity with the current provisions of law in relation to hygiene and safety.*

### SIMPLICITY

*The operator is able to handle recipes through the electronic unit thanks to pre-set recipes.*

*All the weighing phases happen automatically until the cycle ending; then, the products are pneumatically conveyed to their point of use.*

The micro-dosing unit consists of:

## 1. STORING TANKS



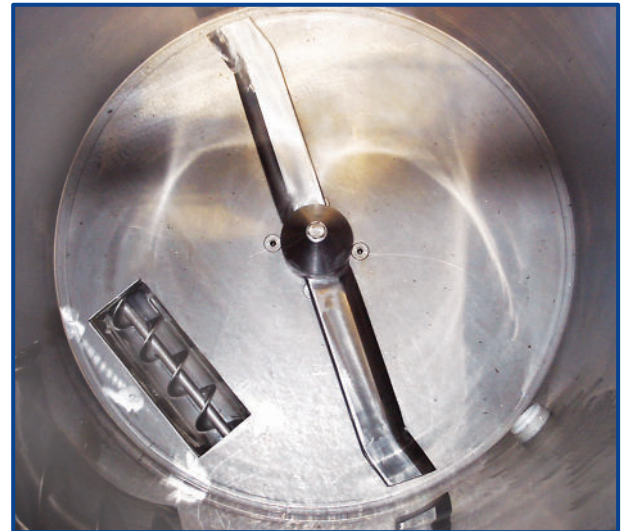
*A different one for each different product; they can be loaded manually or pneumatically (through an aspiration nozzle to be dipped directly in the product stored in bags or transferred by pneumatic transport from an empty-bag hopper).*

*The pneumatically loaded tanks are equipped with product level indicators, max and min, and the capacity can be determined according to the needs.*



## 2. DRAWING SYSTEM

*It guarantees the regular and linear product flow to feed correctly the batcher even when dealing with non smoothly flowing products; in this case, on the tanks flat bottom is placed a rotating blade type agitator.*



## 3. BATCHER

*It is the fundamental device to accurately obtain the pre-set weight.*

*The screw conveyor extractor (of suitable dimensions according to the need) is actioned by gear motor with speed control reached by frequency deviation; furthermore, the perfect dosing is ensured by a pad valve.*

## 4. WEIGHING PLATFORM AND CONVEYING COLLECTING POINT

*This is the scale; the products, unloaded from the tanks, are collected in a dedicated hopper placed on a weighing platform and further drawn out by pneumatic transport.*

