

THE SOLUTIONS READY

Configurable applicatives directly from **HMI**

Reduced time in making machine operable and in immission the machine on the market

Reduced investment by the OEM in SW development

Not programmer required in making machine operable

Possibility for the customer to directly modify the machine functionalities



Multihead weigher

Complete solution for the management of multi-head weighers equipped with buckets with pneumatic stepper motor actuators configurable **from 8 to 24 heads**



HMI
PC

EtherNET

EtherNET



Controller
FCT200



EXTERNAL
COMMUNICATION

CANopen

Vibrator management
CP6V16

Load cell acquisition
SGACQA



CP6V16



Stepper motor control and load cell acquisition

CPMSG0

CPMSG0

CPMSG0



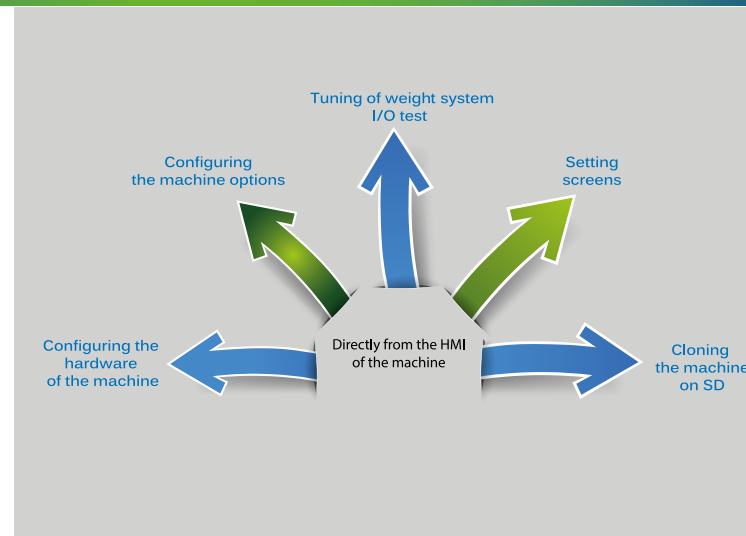
The heads can be divided up to a maximum of **2 dosage units** and / or **8 sections** for mixing product



The CMZ configurable applicative foresees all the features of a standard machine easily activated without programming software experience

Software features

- **Multilanguage color graphical** user interface simple and intuitive, 4 access level through customizable password, 50 recipes resident in the memory expandable on SD card and 4 different profiles of machine configuration.
- **Configuration** of the presence and of the command modality of every single device.
- **Loading device with speed proportional** to the product level on the central distributor.
- **Algorithm of autoregulation** of the intensity and/or the duration of the vibration of radial dosers: individual with respect to the target weight for each head, global based on the number of buckets that compose the combination discharged.
- **Control of the vibration** of the radial dosers during the filling and emptying for end production; possibility to program the **soft-start** or the **boosted-start** for the detachment of the product.
- Autotuning procedure and calibration of the balance **configurable and facilitated**.
- **Control of the cold chain** for frozen products by setting of the product evacuation mode as wrong weight or product recirculation.
- **Sequential unloading** of the baskets to prevent the clogging of the forming tube.
- **Multi-unloading** mode to increase the capability of dosing.
- Subdivision of the machine in maximum **4 independent units or multiple sections** for mixing of the components or the alternated unloading .
- Interface with the machine downstream **configurable in master mode, slave and unloading on demand**, both with single discharge and multi unloading.
- **Management of the dosage** as piece counter and weight/pieces.
- **Statistical survey** of average weight, standard deviation and total weight unloaded, unloaded weight histograms, exportation of the data on SD card in text format configurable.
- **Diagnostic of the machine** with manual commands management of every single device, monitoring of the weights, registration and graphic representation of the weight got by the single heads and the timing diagram of unloading signals.



Example displays

