

# WEIGHT FILLER



## Machine Features

### Filler Type

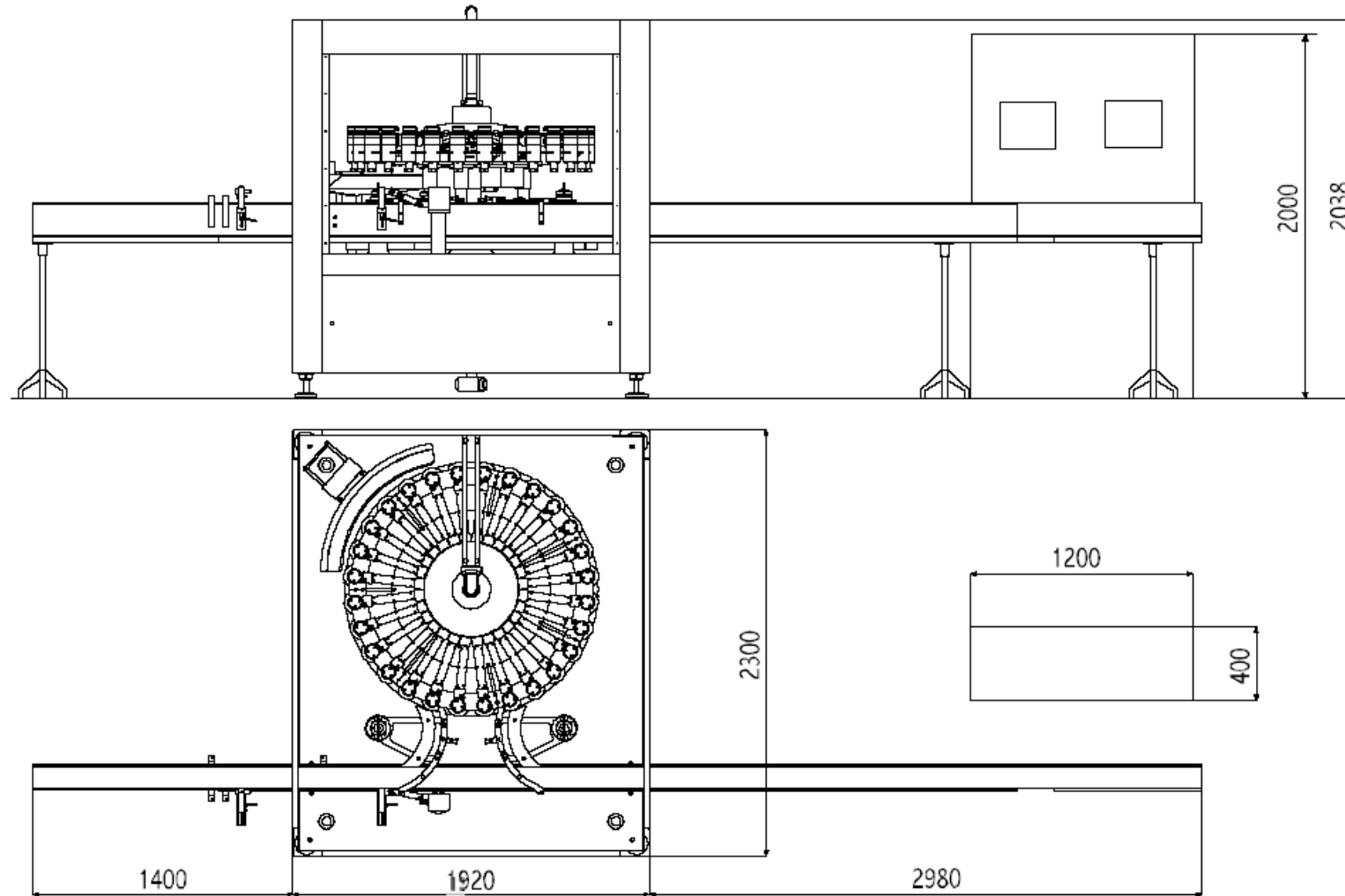
Continuous Motion; Updated Manifold Design (without Hopper), which incorporates the latest technology in product supply and facilitates C.I.P. / washdown.

### Filling Principle

By means of the Automatic Taring System each container is automatically tared and recorded as it enters the filling carousel and filled to an exact net weight, regardless of container variations. All of the weighing stations are executed with an electronic scale (load cell) connected to the machine integrated microprocessor, which controls the weight based filling operations of each of the weighing stations. Each of the weighing stations works independently and continuously transfers the weight data to the microprocessor during the filling cycle. The filling control phases are:

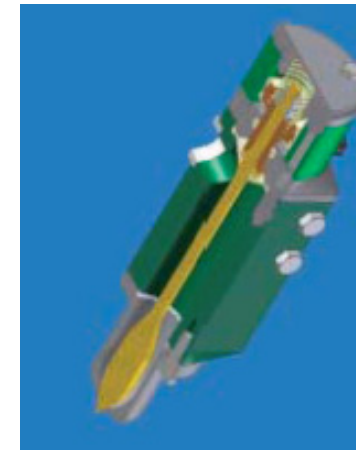
- Selection of the required filling program on the operator panel. The filling recipes can either be pre-installed or can easily be added at any time.
- Automatic recalibration of each of the weighing stations during each of the machine revolutions. The system, during each of the machine revolutions, and for each of the individual weighing stations, verifies the actual mechanical and electronic status of each load cell and automatically updates the values.
- Empty container control weight (Tara). To achieve a precise net weight of the product to be filled it is required that the exact weight of each of the individual empty containers is checked and recorded prior to filling. If the Tara (empty container weight) is detected to be not within the pre-set acceptable values, the filling sequence is not started and the out-of-spec container is rejected as it exits the filling carousel.
- Controls during the filling phase. To achieve a precise dosing of product, the system optimises the filling curve whilst continuously monitoring the load cell, and generates a signal to interrupt the filling phase by closing the filling valve or to emit a signal to reject a specific container when anomalies during the filling phase are being detected.
- Final check of the final net weight. After the filling, the system performs a final weight control of the filled container. Container net weight (Tare value) and actual value are compared and in case the net weight (filled product weight) is found to be out of the pre-set tolerances a signal to automatically reject the container is emitted.
- Correction of the dosing. The integrated automatic correcting system is capable of correcting the dosing to less than one gram.

## Weight Filler Dimensions



## Machine Data

- Product Cheese
- Range of Volume that can be filled 100 ÷ 1000 cc
- Max Speed 20000 bp/h
- Guaranteed precision ± 2.5 g
- Flavours 1
- Installed Power 9 kW
- Compressed Air 400 ÷ 600 NI/min
- Min. Operating Pressure 6 bar
- Weight 5100 kg
- Temperature 0 ÷ +40°C
- Relative humidity < 80%



Type Machine		Bottles Dimensions (mm)	
Valves number	Speed bp/h	A max.	B max.
12/188	5100	φ140	300
16/141	6700	φ115	300
20/141	9500	φ115	300
24/141	12000	φ115	300
28/141	14400	φ115	300
32/141	17500	φ115	300
36/141	20000	φ115	300

**NB.** The speed capacity is calculated on 500g weight



Almarai jars



Kiri plastic bottles 200 g. - 450 g.



Almarai jars 910 gr - 690 gr - 140 gr