DIGITAL CONTROL

Inspection Systems
Smart Motion Devices



VCI

Vacuum Cap Seal Check

VCI

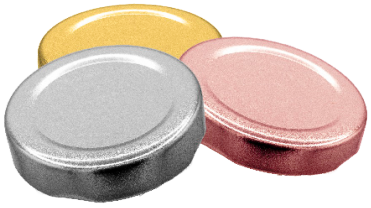
Our system, located downstream of the capper, allow to *verify the vacuum of the cap* recognizing and signaling any errors. If it is combined with a rejection system, such as our *REJ*, it will reject the defective products from the line.
Using a specific laser sensor combined with a surface mapping algorithm, the system checks the perfect sealing of the twist-off cap by analyzing whether the click-clack system is under tension.
The system is also able to verify the presence or absence of the cap. Additionally, cap color can be checked using an optional moduleIn view of technological progress, we have made this system interconnected, providing remote assistance via encrypted *VPN* sessions and allowing its integration into an *Industry 4.0* environment.

Cap Presence Control

The laser sensor is calibrated not only to map the cap's surface but also to detect whether the cap is present. In the latter case (when the cap is missing), the system will signal and reject the defective product.



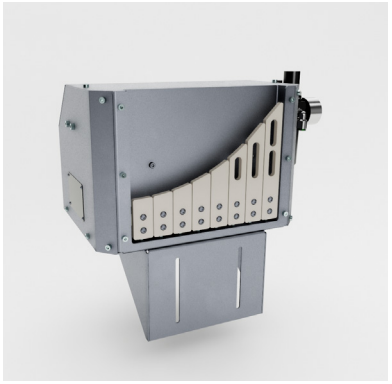
Cap Color Control



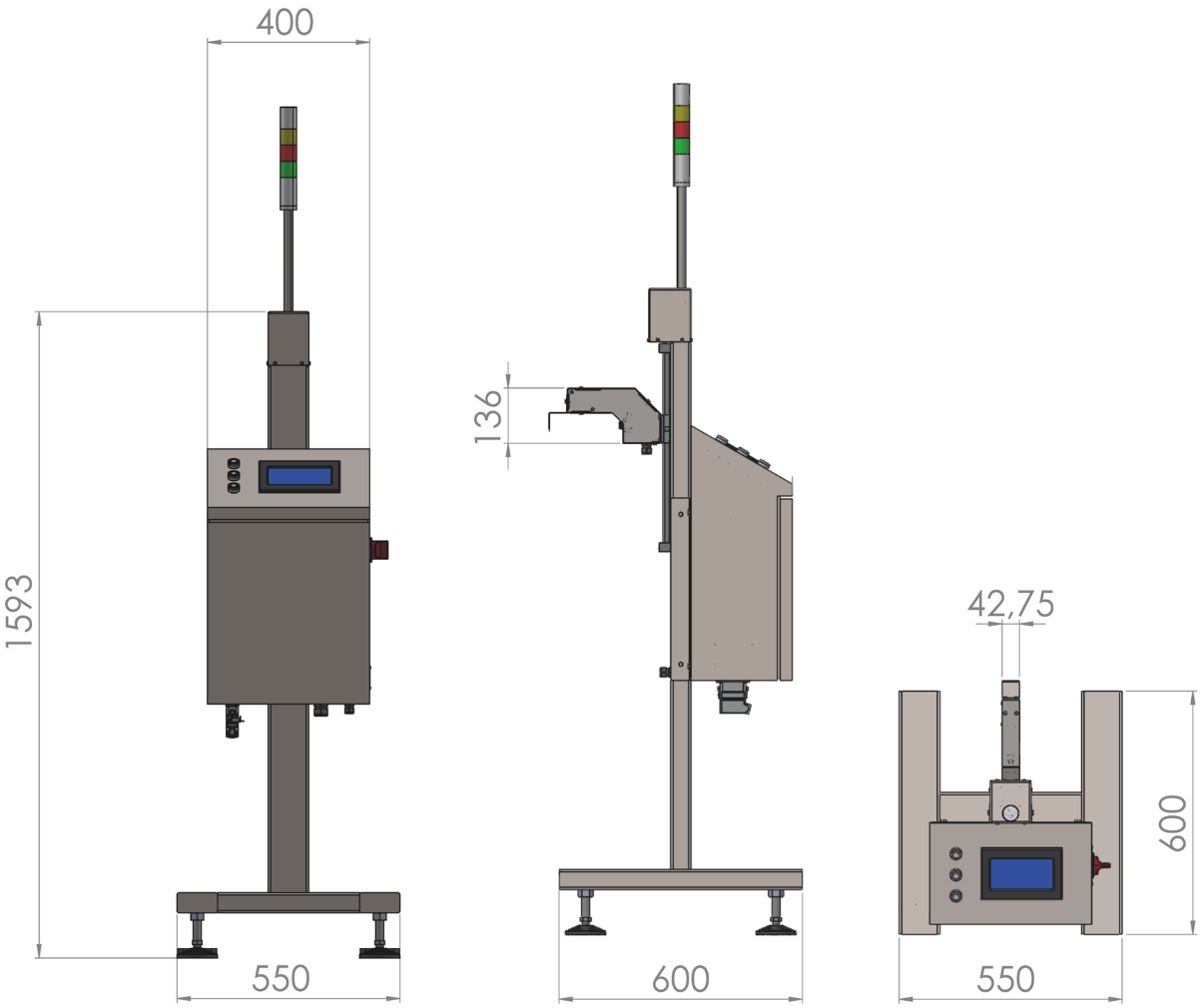
With this module is possible to check if the bottles that are passing in the machine have the desired cap color or not.
By doing this control it is easy to detect errors during the bottling, allowing a rapid expulsion of the same from the production line preserving the quality of the final product.

Rejection System Management

Our system allows the user to easily manage our inspection system REJ or QLS, located downstream the CMVP to divide or reject the defective products from the production line.



Dimensions (mm)



Inspectionable Objects



Jars



Bottles

Technical Specifications

Power Supply	230 Vac 50-60 Hz + Ground
Current Absorption	300 W
Protection	according to EC
Type of control	Laser
Production Capacity	up to 20.000 pezzi/h
Weight	25 Kg
Display	TFT 7" Touch Screen
Interface	Ethernet for local connection and internet, OPC-UA, MQTT and Modbus for Industry 4.0
Working Temperature	0 - 45 C°



Discover More

VCI

I nostri social

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