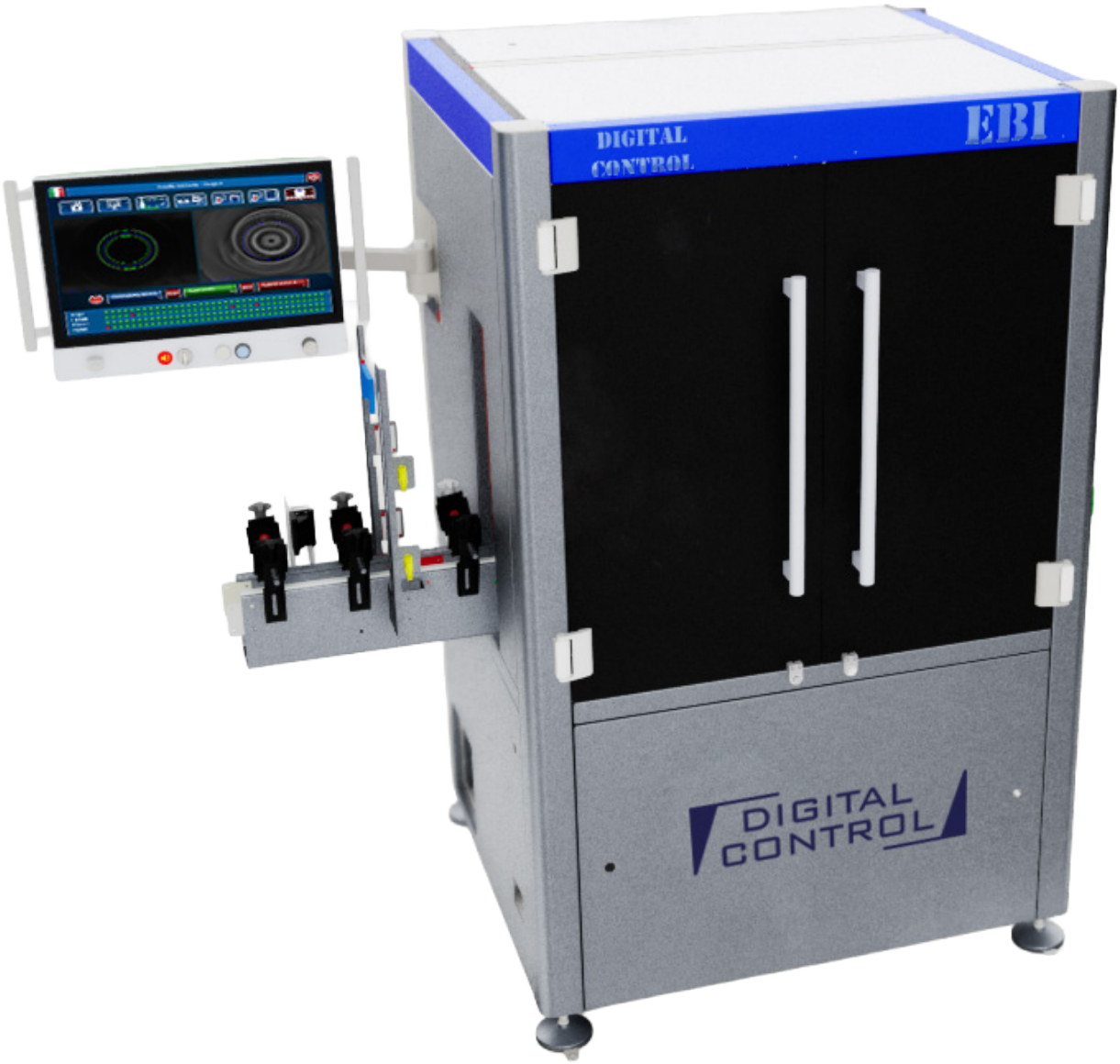
DIGITAL CONTROL

Inspection Systems
Smart Motion Devices



EBI

Empty Bottles Inspection - Neck Finish, Base & Sidewalls

EBI

Our inspection system allows to inspect bottle and container, made in glass or PET, upstream the filler. This type of inspection makes possible to obtain a higher quality of the finished product, being able to exclude non-compliant containers from production or with foreign objects inside.
Furthermore, safety will be increased avoiding the presence of potentially dangerous objects from the production line.
To do these controls we use up to four modules: ***Neck Finish***, ***Base***, ***Thread*** and the new ***Sidewalls***, combined to a high-performance artificial vision algorithm.
EBI system allows easy implementation of our rejection systems and is ready for integration with industry 4.0 using the most popular protocols.

Neck Finish Module

This standard module allows to find errors and deviation on the neck finish of the bottle or container.
The system can detect cracks, abrasions and chips on the neck finish of glass and PET container.
This module, as the base inspection module, can be moved in order to check containers with large height difference.



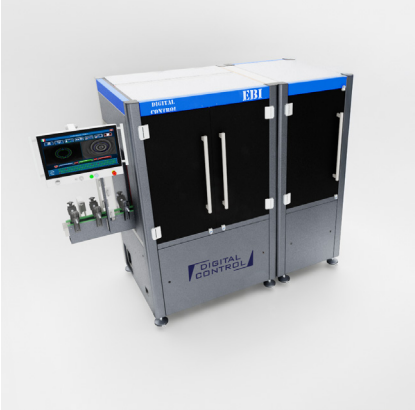
Base Module



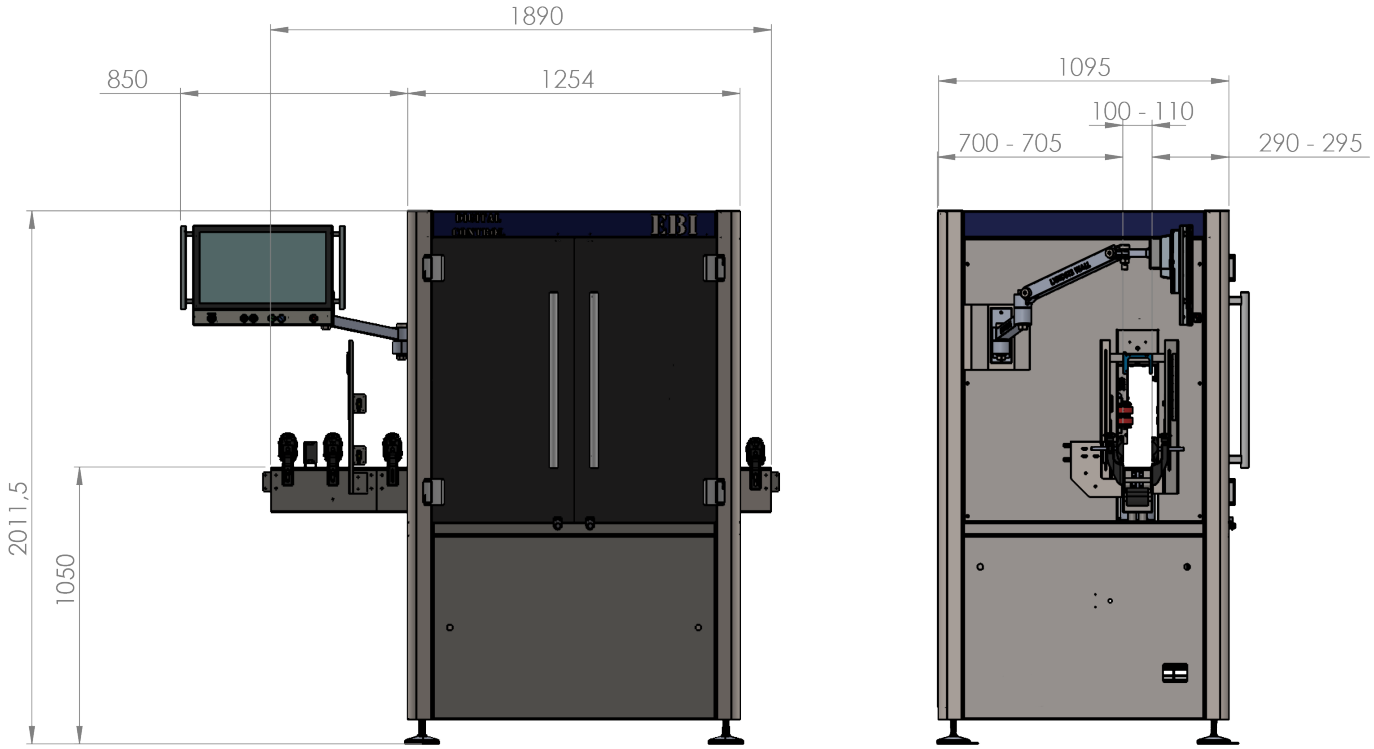
This basilar module allows to find errors, deviation, cracks and foreign objects on the base of the container.
Thanks to our software, the controls can be set up and used very easily, optimizing the error recognizion process, reaching a very low percentage of false rejects.

Thread and Sidewalls Module

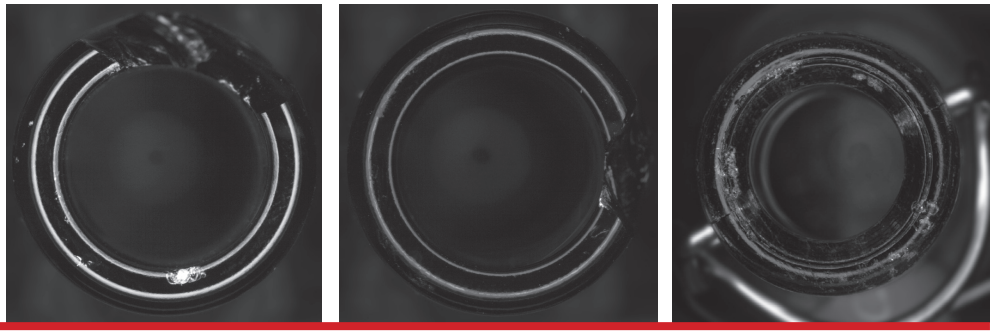
To have a complete inspection of the bottle is possible to implement these two new generation modules.
Thread module allows to check 360° the entire thread of the bottle in order to find cracks or defects thanks to an advanced and high quality lens.
The Sidewalls module allows to check the sidewalls of the transparent or semi-transparent containers in order to recognize defect as scratch, cracks and deformation. When the system will find these errors will reject them from the production line.



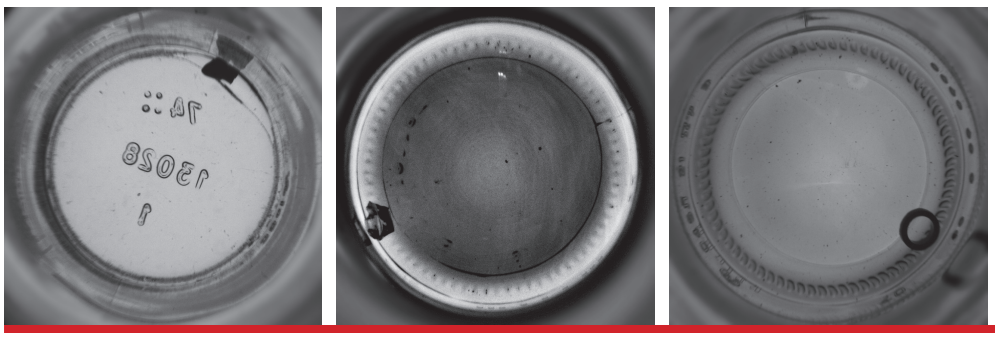
Dimensions (mm)



Identified Rejects



Neck Finish



Base



Sidewalls

Technical Specifications

Power Supply	230 Vac 50-60 Hz + Ground
Current Absorption	600 W
Protection	according to EC
Control Resolution	from 4 Megapixel
Type of control	Monochromatic
Production Capacity	up to 40.000 pieces/h
Weight	540 Kg
Display	TFT 21,5"Touch Screen
Interface	Ethernet for local connection and internet, OPC-UA, MQTT and Modbus for Industry 4.0
Working Temperature	0 - 45 C°
Order Codes	EBI515xxx

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EBI

Social Network

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