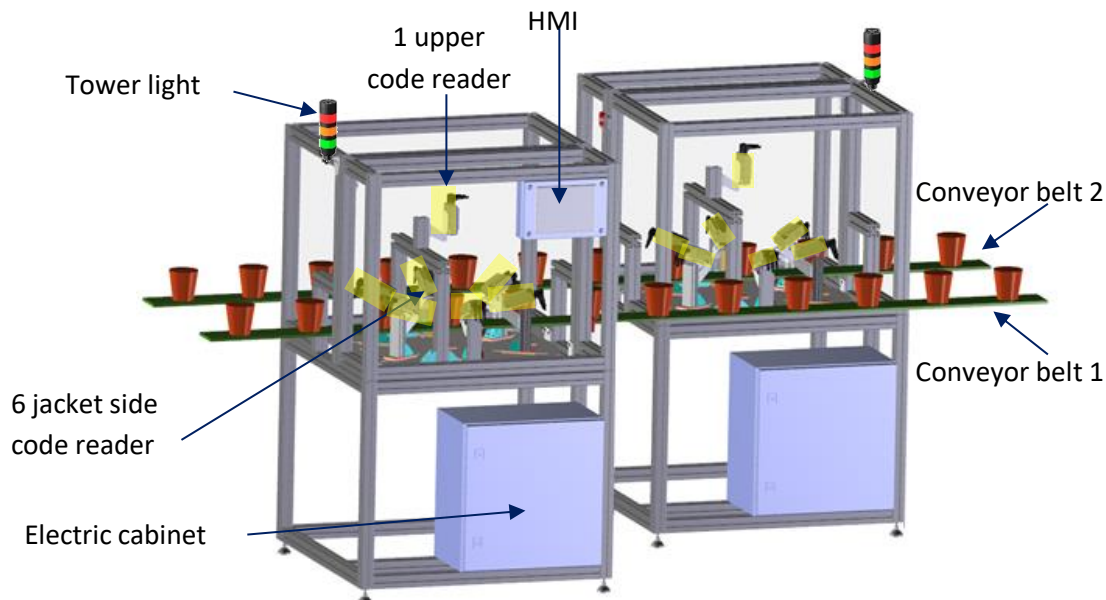


## Its Task

The device is an automatic service PLC-driven workstation for DMC type code reading of cylindrical products. Our aim is production control, reading identical codes on the side and top of the products. During production errors might occur that were caused by humans and that could provide faulty products for the customers.



The system consists of two equally constructed workstations that can be operated by a joint HMI panel. Parameters such as product change can be set on the display of HMI by the operators.

## The Process of Functioning

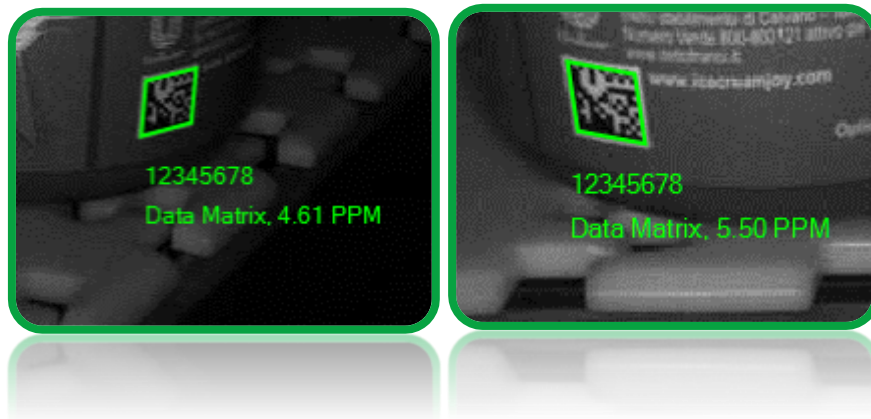
Each workpiece arrives to the workspace of the code reader on a separate conveyor belt where a sensor signals when the product reached a controlling position. At this point all 7 code readers in the device receive a trigger signal at once. As a consequence of the signals they read the codes both on the jacket side and the lid. A faulty piece automatically goes to waste. Products pass through the device without stopping thus ensuring continuous production.



# Unilever Algida DMC code checking on cylindrical product



28800 products pass through the device per shift which can be processed by the cameras without trouble. The PLC programme provides statistics on the display of HMI about the Good, Faulty, Not Read and All products. These statistics and the signal of the tower light make clear for the operator if there is a production problem and decrease the time spent on solving the problem thus minimizing waste production.



The operation of the system can be split into global and local functions. Global menus are valid for both devices. Local menus display the results and diagnostics of the evaluation of "Station 1" and "Station 2"