

Fully automated Label Detecting and Separation of NIO Bottles



Contact:

Steinbrinksweg 41
31840 Hessisch Oldendorf
Deutschland

Tel: +49 5152-94706-0
Fax: +49 5152-94706-99

Year of Foundation:

1990 GEFAT mbH
2009 GEFAT-IT GmbH

Staff Members:

24

Solution
Partner

SIEMENS

Automation

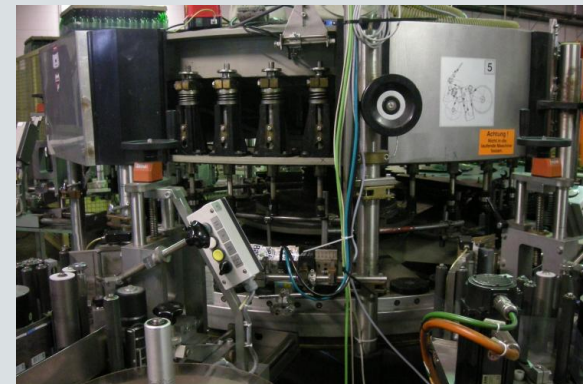
Solution Partner: GEFAT-IT GmbH, Hessisch Oldendorf
Customer: Pomona Group, Hessisch Oldendorf
Industrial Sector: Development, Production and Copacking of alcoholic and non-alcoholic drinks and mineral water

Customer`s Demands:

- No bottles without labels must reach the filling system. (Production speed 600 bottles/ min.)
- Control of labels at front and backside of the bottles
- Determination of all bottles without label by keeping up at least the same production speed.
- Exclusive usage of reliable and failsafe components.

Short description of the solution

A new customer required the need to improve the quality control concerning the monitoring of the label procedure at the filling center.



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The **Realization** by the Solution Partner:

- Extension of the existing plant with: evaluation appliance Vision Sensor Simatic VS120 with camera, code reader Simatic MV420 SR-P, communication via Ethernet
- Simple operation and presentation for the operators
- Customized advice and product selection
- STEP 7, PRO TOOL, CPU412-2 DP, FM352-5, communication via Profibus-DP
- The customer's requirements have been fulfilled, the course of manufacturing has been optimized.



The **Benefit** for the customer:

- Simple and safe registration and representation of io- and nio-bottles
- Production speed has been risen at constant quality.
- Fully automated label registration and separation
- No bottles without label will reach the filling system
- Relief of the operators, which have sorted the bottles manually before.



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