

Product Identification with NOVEXX Solutions Robotics

Constantly changing requirements demand quick adaptations - also within the coding and marking industry. With robot solutions, you are able to manage special challenges, increase your flexibility and be prepared for the increasing labeling requirements of tomorrow.

NOVEXX Solutions' robotic applications open up new possibilities. Even the most difficult marking requirements can be mastered quick and easily. This innovative type of automated labeling ensures a powerful and future-oriented application solution and is our answer to the increasing demand for flexibility in the labeling process.

NOVEXX Solutions Robotics helps you to solve previous unrealizable labeling challenges easily - such as labeling a wide variety of product types or hard-to-reach areas such as concealed surfaces or contours.

Do you also have to face increased flexibility and automation requirements in your company?

Various products

- Various product forms, sizes or materials
- Labeling on the same line in a chaotic order

Different label positions

- Varying positions on a product
- Hard-to-reach positions

Varying number of labels

- New regulations
- Different language layouts
- Individual product-dependent labels

Scalability of printing systems

- Different formats
- Different colours

More flexibility for

type of labelling

positioning of the label

number of labels

scalability of the systems

...for these and other challenges a robot is the most suitable solution.

Interest? Speak with NOVEXX Solutions -
Your partner for Robotics in Product Identification!

Your Challenge - Our Solution

Special challenges require individual solutions - we at NOVEXX Solutions work together with you to develop the optimal identification solution, either from standard products or as special solutions with automated robots.

CASE STUDY: INNOVATIVE ROBOT LABELING IN THE CONSUMER GOODS INDUSTRY

We would like to present you one of our customer projects:

The Challenge

As part of the automation of the picking process our customer for Consumer Goods had the requirement for an automated solution for applying labels on different variable levels on a pallet. The challenge was to find a flexible solution to apply a variable number of labels to different positions on a mixed pallet using the data provided by the MES (Manufacturing Execution System) with a minimal footprint.

Our Solution

NOVEXX Solutions was able to offer and provide an innovative hardware and software solution: A robot solution consisting of an ALX926 Print & Apply system and a robot arm with an barcode scanner. The robot picks up the label from the Print & Apply System and is able to apply multiple labels to different locations on a pallet depending on the number of labels required and layers present on the pallet. The barcode scanner verifies the correct application and legibility of the label.

The hardware was complemented by the TRACE-it software from NOVEXX Solutions, which offers a MES and a PLC interface. This software transfers the MES requests into print jobs and defines the label positioning.

A ROBOT CAN OFFER THESE ADVANTAGES FOR THE PRODUCT IDENTIFICATION PROCESS



- High flexibility (e.g. multiple label positioning on changing products)
- Application accuracy
- Availability (24/7, minimal maintenance)
- Low Footprint
- Simple (re)programming
- Multiple printers can be used (e.g. for color labels)
- Simple design
- Secure; can be used directly in interaction with employees
- „Future-proof“: Quick adaptation to changing requirements

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