

Labeling system for maximum precision

When it comes to applying labels, maximum accuracy is required. This was also the case for a new component from a manufacturer of sanitary technology products. Therefore the company MiniTec worked together with NOVEXX Solutions to implement a semi-automated labeling solution that ensures this.

BACKGROUND

The customer's taps, showers and shower systems are used in many buildings and are known for their attractive design and high quality. The company is also characterized by a high level of innovation, which also offers benefits for the installers. Thus, a particularly practical base unit has been developed for the flush- installation of water control in bathrooms.

SEMI-AUTOMATIC SYSTEM AS A TARGET

The most important thing during installation of the base unit is its correct alignment in the wall. To ensure this, there is a sticker on it that shows the installation in pictures and thereby serves as a guide for correct positioning. This in turn requires a perfect application of the label onto the base unit with maximum precision.

For this reason, the customer tasked NOVEXX Solutions from Eching, near Munich, with an automated labeling system. This system had to apply the sticker to the cleaning cap of the base body automatically. NOVEXX Solutions is a specialist in marking and labeling solutions and offers numerous products in this field. The XLS 206 labeling system was chosen as the ideal solution for the requirement for a complete solution. Additionally, NOVEXX Solutions chose MiniTec for the construction of the complete system in which the XLS 20x had to be installed. Minitec was responsible for the design and construction of the entire system, which covered product infeed, handling, labeling and outfeed.

The two companies have been working together very successfully for many years. And have already been able to provide customers with a number of different solutions.

CLEAR SPECIFICATIONS FOR PROCESSES & TAKT TIME

The customer defined their requirements for the overall process and the associated key figures in a specification sheet. The lead time for the complete processing of a product had to be maximum 12 seconds. Occupational health and safety also played a role. The noise level of the system had not to exceed 80dB(A). In close coordination with the customer NOVEXX and MiniTec developed the required complete solution. It is positioned between two manual workstations.

The first workstation assembled the base body. From here, the employee places it on the conveyor belt of the labeling system, which also serves as a buffer section for up to 8 components.

Now the process starts. First, the component is automatically transported to the labeling station. There, the label is applied centrally and automatically. Afterwards the finished base body is then conveyed out of the station and gets removed manually at the removal station.

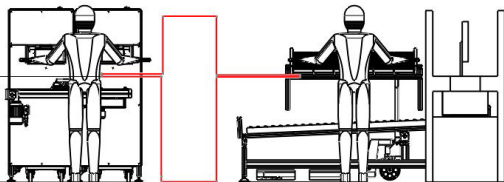
HIGH PROCESS RELIABILITY AND FLEXIBILITY

After successful commissioning, the customer was extremely satisfied with the solution. It ensures a high positioning accuracy of the labels as well as the efficiency and smooth processes. At the same time it is, due to the MiniTec modular profile system and the design, extremely maintenance-friendly. The individual areas of the system are easy accessible for servicing, and all assemblies and wearing parts can be simple replaced. The successful implementation is also the result of a perfect matching partnership. NOVEXX Solutions as a marking & labeling specialist and Minitec as an expert in automation and construction complemented each other perfectly and made the success work.



The labeling system impresses with its compact design and is also easy to move thanks to its rollers.

The labeler works with maximum precision.



The system is positioned between two manual workstations
The conveyor belt also serves as a buffer section.

