

Rösler Service

## System and automation solutions

### Upgrades of machine controls

The control system is the heart of a machine. The wear or failure of a single component usually leads to the complete shut-down of a machine.

The continual and comprehensive development of control +components creates a constant pressure to modernize. This also arises from a possible loss of compatibility of different +control generations.

Together with you, we get an overview of the control system of your mass finishing system and develop concepts to upgrade it to the latest state of the art.

Updating the machine control system also includes creating and optimizing visualizations, renewing drives, motors and sensor technology, and updating manuals and technical documentations.

#### This results in the following advantages:

- ▶ Compliance with current DIN/VDE or local safety and electrical regulations
- ▶ A modular design of the modern control components for a future-proof solution
- ▶ Greater transparency and troubleshooting through remote monitoring systems
- ▶ Reliable availability of spare parts for the current product cycle
- ▶ Integration of the machine control into higher-level control systems (e.g., MES, host computer)



## Automation of mass finishing systems

The automation of mass finishing systems is an increasingly important aspect to improve operational efficiency.

In addition to relieving people of dangerous, strenuous, or monotonous routine tasks, quality improvements and higher system performance are reasons for using various forms of automation.

An automated mass finishing system further ensures the optimized planning of production processes and allows higher quantities to be processed in a shorter time.

The type of handling systems that can be used must be evaluated based on a number of criteria, including:

- ▶ Part geometry and sensitivity
- ▶ Part quantities (batches)
- ▶ Available floor space and accessibility
- ▶ Customer-internal, homogeneous machine structure

Because of their design, mass finishing systems are often not completely enclosed systems. This means that the correct and customized design of the automation systems is essential.

Through a detailed consultation, we create an overall concept

with you. This includes analysis, project planning, implementation, and training as well as the subsequent maintenance and servicing of the automation systems.

