

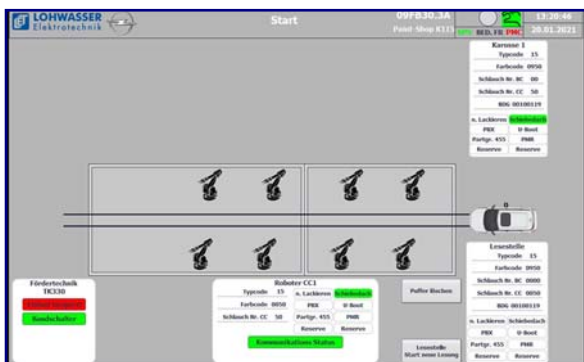
2Tone–Application

Customer requirements

A line is to be integrated into an existing paint shop with which it is possible to paint car bodies in a second color. Usually the roof of a body is painted in this second color. The parameters of the body to be painted must be checked before painting and it must be possible to change them if necessary.



Solution design



The bodies painted with the base color are prepared for the second painting in a masking station. In this station area that are not to be painted again were masked with paper or foil. After this work step, the target “2-tone painting” is written on the data carrier of the body. The destination control now drives the body back into the paint shop with the help of the conveyor system. At the entrance to the paint shop, the bodies with the goal of “2-tone painting” are carried into the 2-tone line. The painting data is read out from the data carrier and checked. Incorrect data can be corrected using the "Info Panel". The read data is checked with the help of paint and body data records previously stored in tables. If the data is checked and plausible, the body is driven into the painting line and the corresponding data is transferred to the painting-robots. After the painting has been completed, the masking is removed and the body is driven into the dryer.

Customer benefit

Operation	Significant simplification of operation with the mobile panel.
Product	Expansion of the product range.
Availability	Optimization of downtimes through efficient fault analysis.

Technical data

- S7-1517F CPU with PN/Eth
- 1x TP1000F Visualisation
- Table with paint data
- Table with carrier data
- Line-Tracking