

ELDISA paintshop

CLIENT

TECHNIKI LAKIERNICZE exist on the Polish market since 2002. The company comprehensively carries out tasks related to PAINTING, DOSING and AUTOMATIC. The scope of activity related to painting is the design and construction of complete manual and automatic paint and varnishing stations - full ABB robotics and optimization of painting processes, implementation of new solutions and technologies.

TASK

Preparation of full electrical documentation along with the selection of equipment for a newly designed painting line, located in Środa Śląska. The documentation was made using the Eplan 2.7 platform. For the client's needs, a documentation structure was developed, allowing easy identification of devices and consistent naming in the technological scheme.

ELDISA paint line lacquers rubber parts for the automotive industry. It consists of zones characteristic of painting lines, such as the recognition zone in which the assortment to be painted is identified. Two spray booths with ABB robots. A mixing room for primer and clearcoat. Heating zones in front of paint booths. Dryers and supply air handling booths, equipped with gas burners. The elements to be painted move between the zones in a completely automatic way, using a chain conveyor.

ACCOMPLISHED WORKS:

- EPLAN electrical documentation
- Selection of electric devices
- Selection of PLC control systems

TECHNICAL SPECIFICATION:

- Siemens Simatic S7-1500 F Controller
- Profinet Network
- Siemens HMI TP1500 Comfort
- SEW Drives

