

# IWM Automation Measurement Station For Lear Co. Rietberg

## CLIENT

Lear Corporation is global leading manufacturer of entire seat for Automotive industry. Rietberg department was responsible for delivery of seat parts for Daimler Mercedes Benz.

IWM Automation is a successful system supplier of special-purpose machines. The focus is on automation technology for the automotive industry and its suppliers.

## TASK

Commissioning of three semiautomatic stations made for seat assembly and measurement. All of the elements were recognized by QR code and Datalogic Hand Scanner. Stations consisted of Siemens PLC connected with Atlas Copco driver responsible for tightening screws of the seat with proper force and angle. Building of the seat was made by step-by-step sequence. After finished OK sequence Zebra printer printed correct etiquette with parameters of the seat. In other case program gave NOK signal and seat elements had to be fixed. Measurement station was made to check welding of the seat rails also with the recognition of the OK/NOK parts.

### ACCOMPLISHED WORKS:

- Throughout check of the control system electrical installation
- Commissioning and improvement of the control system
- Commissioning and adjustment of the HMI System
- Post commissioning and assistance during production

### TECHNICAL SPECIFICATION:

- Siemens Simatic CPU 1511 F-1 PN
- Turck Compact Multiprotocol I/O Module,
- Festo Pneumatic electrovalves,
- Profinet Network,
- Datalogic CBX800 gateway with Hand Scanner PD9530-HPE,
- Atlas Copco Power Focus 4000 screwdriver
- Zebra Printer ZT410 300 DPI.

