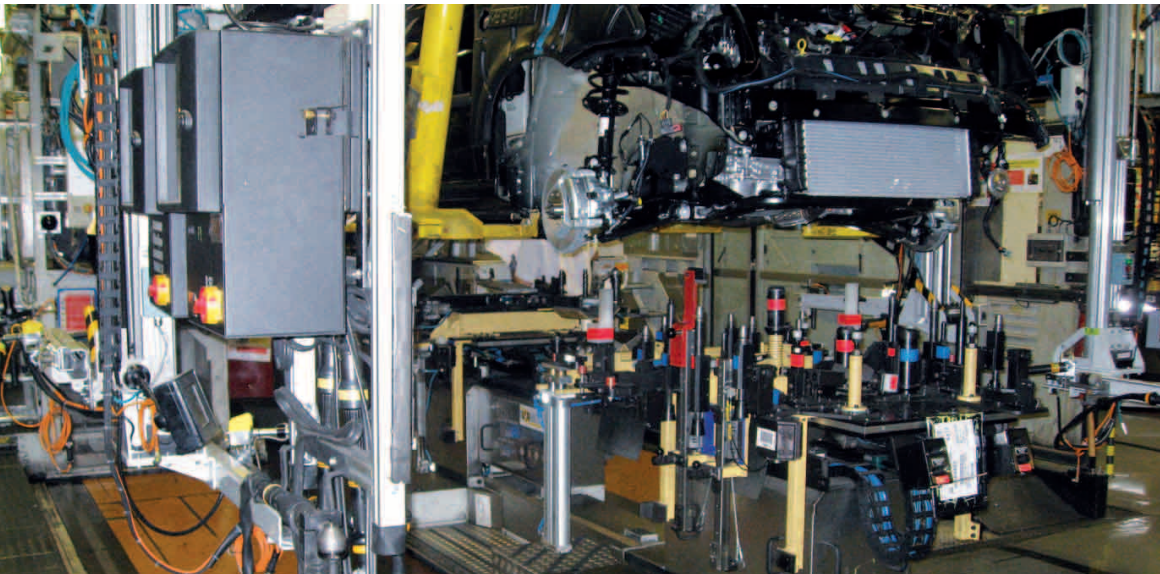


# Automotive industry: Service without limits – from Festo!

**FESTO**



## Customer information

The client: Adam Opel GmbH, Rüsselsheim, Germany, one of the country's largest car manufacturers. One of Opel's assembly factories is located in Zaragoza, Spain.

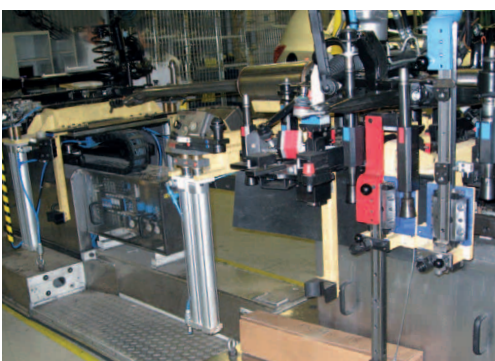
## Project

In a multi-national service project involving Germany and Spain, the aim was to expand the pneumatic control system for the jigs used in the drive train assembly and marriage station and adapt the control sequence appropriately. The production sequence in the drive train assembly station was also due to be optimised. This is the most important station in the car assembly process, where pre-assembled vehicle bodies and drive trains are joined together.

## Solution

Festo HQ in Germany took care of the international project coordination and planned the installation work with Opel in Rüsselsheim and the Festo branch office in Spain. The work was scheduled for completion during the holiday period at the Opel plant in Zaragoza. Festo Spain's highly trained service technicians carried out the necessary pneumatic upgrades in the Zaragoza factory during the three-week holiday period. They even worked weekends to prevent downtime outside the factory holidays.

The pneumatic control system for the assembly jigs



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**Services provided**

- International coordination of service project by Festo. Having a single partner provided Opel with straightforward processes, clear communication and fast coordination.
- Skill-oriented, multi-national work planning
- Expansion of control system and upgrade of a total of 23 assembly jigs
- Professional cooperation between Festo's Spanish service technicians and the Opel engineers

**Optimisation measures**

- Adaptation of autonomous pneumatic control system for the marriage station assembly jigs to the new Opel tooling
- Support in complex process of synchronising assembly sequence.

**Result: Significantly shorter throughput times!**

Marriage station: joining pre-assembled vehicle bodies and drive trains

