

What is the cell 105...

The AFAG cell 105 is a part of a system which originally consisted of three coherent cells. With this system different switches for several automotive companies have been manufactured.



How did we take on the cell....

The system was made available to the school last year and it was a school leaving project for the technicians of process automation for the first time, too. The task for them was to rebuild the demounted system in the workshop of the school. The system was automated by Siemens S5 and the students had to install and setup the first part of the system, the cell 105. When we took over the cell system, it was working as far as possible, so we got a new task for our project.

Our aims...

The main target of our project is that the cell is working error free. For this we have to do some maintenance work, e.g. to adjust initiators, or change pneumatic valves, ... Another important target is to develop a visualising concept for the system. For a visualising concept with Siemens S7 we have to connect the Siemens S5 PLC with the Siemens S7 PLC via Profibus. The S7 PLC is connected with the industry PC via Profinet. To visualise we used the program WinCC. Our own personal aim is to control the system completely via a touch panel. This means, to start and stop it, to get error codes, to set parameters and so on

