

Fagor TryOut Presses For Opel Rüsselsheim

CLIENT

Opel ADAM Rüsselsheim is the birthplace of world-known Opel Company. This part of the plant was responsible for making of the car matrix.

FAGOR Arrasate is a world specialists in design, manufacture and supply of forming machine tools, from presses and complete stamping systems to lines for manufacturing, processing and cutting sheet metal. Fagor supply presses using mechanical, hydraulic or the most updated servodriven technology depending on the needs of the Users.

TASK

Commissioning of two autonomic servodriven Tryout Presses consisting of hydraulic cushion (first) and scrap traps with slide cushion (second). Blank transfer between press was done by pneumatic manipulators. Control of the press consisted of Siemens Simatic PLC control connected with Simotion Control Unit for the drives and servo curves. Force Control was based on Beckhoff PLC system. Maximum press stamping force is 22500 kN, for the first, and 12500 kN for the second press.

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 319F-3 PN/DP Controller,
- Siemens Simotion D425-2 Numeric Control Modules,
- Profinet Network,
- Four G120 CU240E-2 PN inverters,
- Beckhoff CX5010-0112 with EtherCAT connection.

