

# Fagor Transfer Presses For Gestamp Poland

## CLIENT

Gestamp is a Spanish multinational company that designs, develops and manufactures metal parts and assemblies for the automotive industry. Works took place in Września and Wrocław Gestamp Plants.

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 and adjustment of automatic control system for two servodriven Transfer Presses. The machines consisted of three main parts: Press, Decoiler System, Transfer and Loader Unit. Maximum stamping force of the presses was 25000 kN. The Press control system consisted of Simatic PLC cooperating with Simotion Control Unit for the press main drives control. In addition, the press was fitted with a hydraulic cushion system for better stamping force control. Transfer and Loader Unit were controlled by Rexroth Numerical Control System. Maximum production speed of the machine is 25 parts per minute.

### ACCOMPLISHED WORKS:

- Throughout check of the control system electrical installation
- Commissioning and improvement of the control system
- Commissioning and adjustment of the HMI System

### TECHNICAL SPECIFICATION:

- Siemens Simatic S7-317F Controller,
- Siemens Simotion D445-2 Numeric Control Modules,
- ABB ACS355 Drives,
- Beckhoff CX5020 Industrial PC,
- Beckhoff C6930 Industrial PC,
- 8 Rexroth IndraDrive Numerical Control Units
- Rexroth MAC8 Multiaxis Numeric Control,
- Profinet Network
- AS-i Network

