

Gyma – Sorgues plant, France

Rebuilt control and monitoring of a vertical bagging machine of packaging HASSIA



Contact:

EKIUM
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France

Phone: +3(0) 4 72 81 50 50

Founding year:

1990

Employees:

600

Solution
Partner

SIEMENS

Automation

Solution Partner : **EKIUM**
Customer: **GYMA**
Segment : **Food-Processing**

Requirements of the customer :

- **Package sauce in individual packets**
- **Several stations:**
 - Pull films,
 - Forming individual packets by vertical and longitudinal sealing,
 - Dose out,
 - Cut and eject individual packets,
 - Fill the conditioning box
- **Improve production efficiency and enhance engine reliability**

Short description of the solution:

- 13 weeks for conception
- 6 days of works and trials before ramp-up
- 3 days of ramp-up



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Implementation by the Solution Partner :

- **SIEMENS Hardware used:**
 - Automaton with CPU S7-315 Technologic
 - Frequency converters SINAMICS S120
 - Servomotor 1FK7
 - Touch panels SIEMENS MP277 10"
- **SIEMENS software used:**
 - S7
 - T-CONFIG
 - WINCC Flexible
- **EKIUM's achievements:**
 - Reverse engineering, bearing cams, ergonomic HMI studies
 - Electric and automation preliminary detailed conception
 - Electric Reconstruction
 - Mechanical adjustments'
 - Replacement of servomotors, reducers, mechanical transmission
 - Tests platform and validation of Motion Control functions
 - Site tests and Commissioning
 - Assistance during production start-up
 - Production and maintenance teams training

Benefits for the customer :

- Very short shutdown period and no interaction with upstream and downstream equipments of the line
- Reconstruction on compliance with the standard groups of all the HMI and API programs
- Opening of the solution and total autonomy of the maintenance teams
- Integration of the axes management into the sequential program
- Simplification of the production parameters and of the HMI navigation
- Increase of the availability and TRS

