



M.R. Snyder Company

Industrial Drive and Control Systems

Success Story # 3 – New Wash Range

Customer Situation:

- New range being assembled by OEM
- Multiple drive sections to be coordinated
- Safety PLC required to maximize safe operation of system
- HMI system requires server based technology
- Functional specification unavailable for detailed engineering
- Support after commissioning required in Europe

Solution:

- Siemens Totally Integrated Automation platform
- Stage PLC, coordinated drives, stand alone drives, all operator stations, and PC server network
- Remote connection of staged system with operators in Europe to finalize graphic screens and control modes
- Bring in customer engineers for extensive witness test of control prior to shipping
- Coordinate customer installation plans with start up engineers to minimize duplication of effort

Results:

- AC motor and drives are providing excellent control over a wide range of speeds.
- Data acquisition for quality monitoring and recipe development allow for production of a variety of higher quality product faster.
- Server based HMI is improving operator's efficiency. All data and graphics are easily maintained. Any HMI unit can display any screen from the server.



M.R. Snyder Company

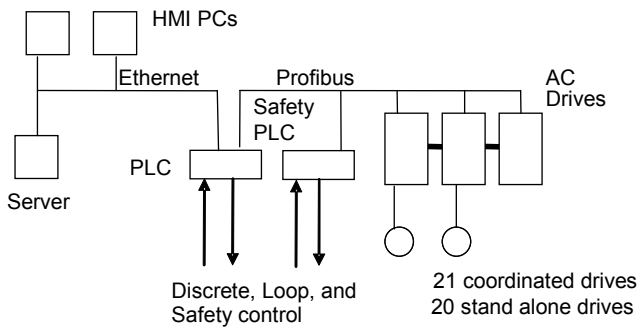
Industrial Drive and Control Systems

- First quality product produced with a minimum of trial runs

MR Snyder services required:

- Coordinated drive system design
- Control system design
- Integrated Safety
- Electrical panel design and assembly
- HMI Programming
- SCADA functions
- Startup services
- PLC Programming

Project #3: Common Bus, AC Drives, and PLC for OEM Range



- **Ethernet with Remote Connectivity**
- **Safety PLC integrated with Line**
- **Drill down HMI screens for Details and trouble shooting**
- **Remote support over Internet**

