

Siemens and Scamm: defining a new standard for sheet metal forming machines

Digital automation and HMI solutions for high-performance

Location: Lallio (BG), Italia

Highlights:

- WinCC Unified and Software Controller: a cutting-edge ecosystem that combines advanced HMI, Motion Control and Safety to enhance machine performance, usability and scalability.



Scamm

Founded in 1946, SCAMM is an Italian company specialized in sheet metal deformation technologies. Over the years, it has developed strong expertise in stamping, bending, riveting, painting and welding systems.

SCAMM designs and builds complete turnkey solutions entirely in-house, from die and press design to automation, handling systems and dedicated welding technologies (laser, plasma, TIG, MIG), guaranteeing full control of the production process from raw sheet metal to finished product.

Solution/Portfolio

Together with Siemens, SCAMM adopted WinCC Unified as the new HMI standard, enabling a modern, user-friendly interface and simplified management of long and complex production lines. Thanks to the centralized HMI architecture and Collaboration technology, the operator interface is managed from a central PC, while only the necessary pages are distributed to the various substations along the line.

The system is fully adaptive: the HMI dynamically configures itself based on PLC data, while alarms are defined directly in the PLC using ProDiag, ensuring maximum flexibility for future machine configurations.

The automation solution is based on a Software Controller that combines the reliability of SIMATIC S7-1500 with the power and flexibility of an industrial PC, integrating PLC, advanced Motion Control and Safety functions in a single environment. This controller delivers exceptional performance and unmatched adaptability, even in the most demanding applications.

Benefits

The integrated Siemens solution allows SCAMM to manage complex machines with a single, powerful and flexible system, achieving high performance and extremely reduced cycle times. Engineering and commissioning times are significantly reduced thanks to a single development environment (TIA Portal) and a standardized HMI platform.

Future machine upgrades require modifications only at PLC level, with the HMI automatically adapting, ensuring scalability, consistency and long-term efficiency for both SCAMM and its customers.

With this project, we chose to redefine the future of our machines. a future that Siemens shapes as a One Tech Company, turning technology into a competitive advantage.

**Marco Comina,
Electrical Dept Manager
– Scamm**



SIEMENS