

Customer: Habasit

Location: Swanee, GA

Time & Duration: 30 Days

Technologies: Siemens S5 to S7 Conversion

Reference: Habasit 14-302 / 1.1.2



Project Description

The Project is to convert the existing S5 system to the latest S7 system and to replace the Single Loop Controller with software PID controller in the PLC. The existing Stepper Motor system is being upgraded to the Servo system.

This project involved changing the hardware and the application software in the PLC control system. The remote I/O system on the machine's carrousel was changed from a wired to a wireless link with the main PLC in the control cabinet. The Festo valve blocks replaced with SMC.

Overview

The automated machine tape automat has been specifically designed to manufacture endless machine tapes (20-50mm wide and 200-2500mm long) of the same length (tight tolerance) in large numbers, utilizing the Quick-melt joining system. The machine and the automatic control have been manufactured in accordance to industry standards.

The machine is mounted on a platform and consisting of:

- Unwinding and cut to length section
- Transporter
- End joining Carrousel
- Discharge Station
- Control Cabinet
- Control Console
- Separate cooling unit

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The upgrade of the drive & valve technology and conversion from Siemens S-5 to S-7 for "Carol"



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