

Web-Line Control

Control Strategies

PLCs

AC Drives

Servo Drives



IAE has extensive experience in web line and panel line controls in a number of industries. Our engineers have programmed these systems incorporating closed loop strategies utilizing tension and thickness of the web to control the rewind stand device torque and speed. Our engineers have a long standing relationship with a global leader in the PC board manufacturing, resulting in continuing advancements in tension monitoring and control. This has allowed for a continued increase in performance while reducing maintenance demands.

Over the past few years IAE has also worked very closely with an OEM client to design and implement the control system for a high speed web application with a servo solution using auto-registration. This process controls the printing of images, foil stamping, and cutouts to within a 0.003" tolerance with speeds up to 300 ft/min.

A number of control strategies were implemented for our web-line systems including PLCs, AC drives, and servo drives.

IAE is available to work in whatever capacity is requested from our clients from complete system design to turnkey installed systems.

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