

Make parts faster by replacing mechanically-driven transfer system with press control, feed control and servo transfer control on a common platform.

Global manufacturers are striving to create more flexible and productive manufacturing facilities. In many stamping rooms, this is being accomplished through the use of servo-driven, rather than mechanically driven, inside the press part transfer systems. Servo Transfer Feed (STF) systems-deliver increased flexibility and improved productivity by allowing users to configure the paths of their transfer systems. Rockwell Automation offers a variety of STFPro systems for customers.

The Logix Solution

Manufacturers who use the Logix family of controllers want to run their presses with one neatly integrated system for both their press controls and their STF functions. This split dramatically simplifies the overall system architecture, operation, and maintenance.

The ControlLogix system has a commercial off the shelf architecture, freeing stampers from “black box” controllers that are difficult to maintain and troubleshoot. The STFPro system implements the motion control application using easy to understand software. This open approach enables a wide range of personnel to understand and troubleshoot the system.

Servo Transfer Feed Functionality

The STFPro application software provides the commands to the drives that enable the system to closely follow the motions of the press machine, for tight control of the manufacturing process.

Proven Solutions Get Results

Rockwell Automation has applied extensive expertise in Servo Transfer Feed systems to develop the hardware/software products users need to efficiently and reliably operate their complex machines. Routines for building a SmoothProfile™ motion cam are standard with Rockwell Automation’s STFPro software. The result is highly repeatable parts transfer with minimum machine wear. The demonstrated success of this software shortens system development time and reduces the risks associated with developing an application from scratch.

The use of standardized, well-documented software also helps make STFPro systems more easily supported in the field, resulting in improved up time and reduced training costs. The well-designed hardware solution ensures that all the electrical design details are documented. Rockwell Automation’s proven STFPro system is available as a hardware/software bundle or included in a complete turnkey system for both OEMs and end users.

The open network architecture of the STFPro System allows for simple connectivity to a StamPro press control, for even better control of your stamping process.

