



CONVERTING MACHINE UPGRADE

AC vector drives eliminate line shaft on paper tube machine providing reduced set up time and improved cut-off accuracy.

INDUSTRY Paper Converting—Packaging

LOCATION Kansas City, MO

APPLICATION Complete machine drive and control upgrade replacing line shaft and change gears with qty. (6) AC vector drives. Virtual master control for synchronization of sections. Rotary knife motion profile for adjustable bag length on perforation and cut-off sections. Absolute position control of (6) AC vector drives for machine set-up. ControlLogix PLC for machine control. 15" color touch screen for operator interface.

COMPONENTS Qty. (6)—Emerson Control Techniques Unidrive SP; AC vector drives; 5 - 20 HP
Qty. (6)—Emerson Commander SK; AC vector drives; 1 - 5 HP
Qty. (6)—Fraba Posital absolute position encoders with DeviceNet communications
Allen-Bradley ControlLogix PLC with DeviceNet link to drives
Red Lion 15" color touch screen HMI with Ethernet link to PLC