



TUBE MILL DRIVE and CONTROL SYSTEM

**42-section AC vector drive
system with distributed
PLC and HMI; DeviceNet and
Ethernet communications**

INDUSTRY Metals—Roll forming

LOCATION Los Angeles, California

APPLICATION Complete roll-form machine control system for industry-leading OEM. All AC vector drives with common-bus configuration for main motors. Load sharing design of qty. (24) sections on common accumulator. Absolute position control of (12) sections for tooling set-up. ControlLogix PLC distributed in (6) locations. Color touch screen HMI's in (3) locations.

COMPONENTS Qty. (5)—Emerson Control Techniques Unidrive SP; AC vector drives; 100 - 300 HP
Qty. (24)—Emerson Control Techniques GP 20; AC vector drives; 7.5 HP
Qty. (13)—Emerson Commander SK; AC vector drives; 1 - 5 HP
Qty. (12)—Fraba Posital absolute position encoders; DeviceNet communications
Allen-Bradley ControlLogix PLC with remote I/O; (640) total I/O
Red Lion 15" color touch screen HMI; qty. (3)