YASKAWA

Successful Solution

# Metal Drum Positioner

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Issues / Problems / Challenges
- Rapid traverse of long screws - Existing controller had no motion control - Product length varies - Need accurate placement

Solution	
Controller:	MP2300Siec
Controller Software:	MotionWorks+
Solution Code:	none
Servo:	Sigma V
Power Level:	500w
Voltage Level:	400VAC, 3 PH.

Performance Achieved	
Throughput:	30 secods for 80" stroke
Accuracy:	+/- 0.0625" placement
Auxillary Functions:	Modbus TCP interface to Beijer HMI to communicate to AB PLC

Customer Information	
Industry:	Metal Forming
Application:	Metal Drum Positioning
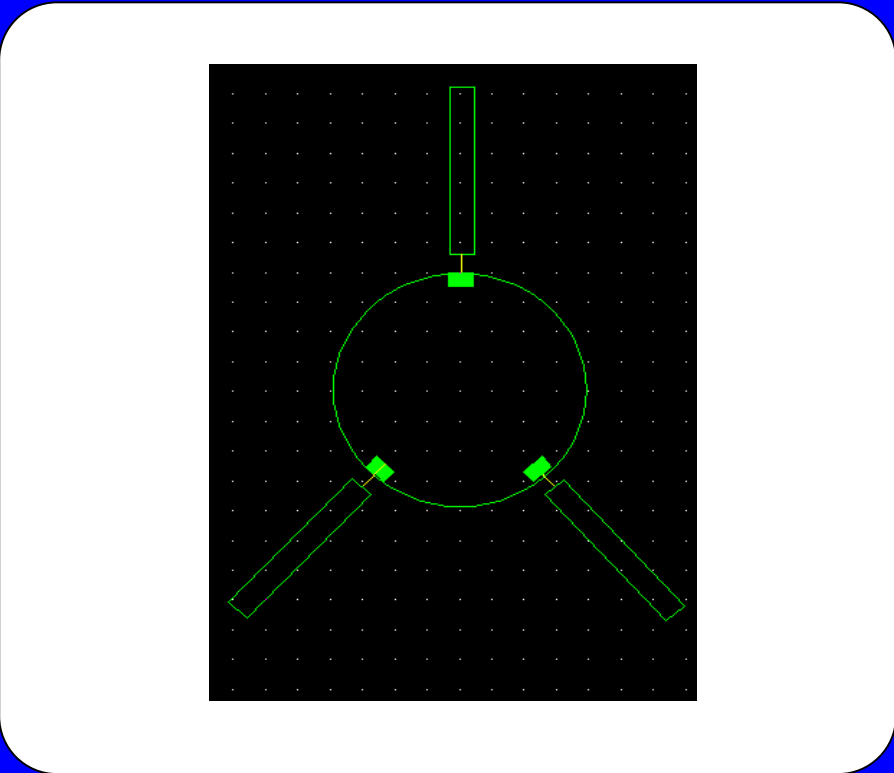
Application Description

This OEM makes a variety of equipment to serve the metal forming industry. This application required movement of 80in screw actuators at a rate of up 30 seconds. The main controller of the system was a Allen-Bradley PLC which interfaced to the MP2300Siec via Modbus using a Beijer HMI with serial communications to the AB PLC. This system is used in metal drum forming for which the company is well known.

Differentiating Solution Features	Resulting Solution Benefits
- Popular Fieldbus protocol interface	- Proven Core Code reduces commisioning time, reduces project risk
- Ease of programming application	- reduces commisioning, reduced project risk
- Ease of tuning servos	- Reduced commisioning time, improved performance

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