

Motor Control Custom Integration Summary by Carotron, Inc.

<http://www.carotron.com/articles/carotron-integration-summary/>

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1) Wire Drawing Line – DC Drive retrofit(s)

- a. One drive per draw block
- b. One drive common to all motors, w/individual field trim

2) Linear Level Sensor/Monitor/Controller

- a. Headgate position @ hydro dam
- b. Process position indicator

3) Mining MCC Bucket Rebuild

Replace obsolete parts on existing chassis

4) Conveyor Feeder Controller

- a. Hydraulic motor
- b. AC motor inverter

5) Blown Bag Line Upgrade

Cortex LT replaced PID loop control in PLC

6) Film Laminator Line Letoff Tension Control

Replace leather straps w/magnetic particle brakes + Cortex LT

7) Liquid Filling Station Control

Evacuate vessel to preset vacuum, refill w/preset weight of liquid

8) Coating Line Drives Retrofit

- a. Replace DC drives and temperature setpoint controller
- b. Add tension, speed and web surface temperature monitoring

9) High Horsepower Elite Pro Modular Dc Drive



- a. 2x2000HP DC drives w/current sharing on a car shredder
- b. Utilized rebuilt locomotive DC traction motors on common shaft
- c. Power-line friendly phase-shifted drive isolation transformers



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