

Paper Production



Finished Paper Rolls ready to load onto a printing press.

High Speed Production of Fine Paper Products

CUSTOMER CHALLENGE

Create a way to maintain proper paper roll belt tension to ensure the production quality of very fine paper products, and design a steering system to ensure the paper is always centered on the roll in a very high-speed production process.

SOLUTION

A turnkey system incorporating a Servo Driven 5-ton Actuator assembly with an embedded load cell for belt tensioning and a Servo Driven 5-ton Actuator assembly steering package were used to center the paper product on the paper machine rollers. In addition four ½-ton jacks all mechanically linked and driven by a hand-wheel were supplied for leveling the system. The key to successful implementation was the ability to provide rapid adjustments in both tensioning and steering to achieve high quality paper.

DUFF-NORTON ADVANTAGES

- Single turn-key source of supply for all the needed components (actuators, servo motors, load cells, shafting, coupling, pillow blocks, hand-wheels, etc.) engineered to meet customer defined production demands.
- Providing a robust system to meet ever-changing high-speed production demands, with high reliability across a long service life.
- Providing a low noise solution meeting today's personnel environment requirements
- Eliminating the need or use of hydraulic components that could potentially contaminate production product, and increase down-time.

Duff-Norton Products:
5 Ton Ball Screw Jacks
Servo Drive with Load Cell
1/2 Ton Machine Screw Jacks



Paper Production Machinery

