REWINDER CUSTOM DESIGN UPGRADE

Rewinder Upgrade improves safety by improving controls, dust collection, bar code scanners and fire detection equipment.

SOLUTION

- Threading design to pull tail from unwind to rewind
- Total safety fence enclosure with safety locked doors
- Parent roll kick-out system with return core arms
- Bridge table locking pins
- Upper calender locking pins
- Between unwinds floor foil
- Cradle holding pins

RESULTS

- Multiple lines successfully started up over several phases
- Enhanced safety for operators and maintenance

PROJECT SUMMARY

At Pieper Automation, we pride ourselves in our unique ability to provide complete industrial automation/controls solutions & services for our customers, including on-site support, integration of machines/systems, new equipment design and machine upgrades. Along with our custom assembly machine manufacturing and panel building, we deliver you a seamless solution – from one supplier.

A major paper company approached Pieper Automation to provide a turnkey solution to upgrade their current rewinder to newer technology, interface seamlessly with existing equipment and enhance their machine safety without causing delay to operations.

Pieper Automation along with our partner provided all general arrangements, mechanical and electrical engineering design, piping design, structural sole plate design, PLC/HMI software design for the integration of converting equipment, construction installation bid packages, bidding process facilitation and support for construction and startup.

Ancillary systems integrated included: dust control, culled log shredder, broke system interface to converting, bulk mineral oil, glue dilution system, barcode scanners and fire detection system.

Features of the system included; threading design to pull tail from unwind to rewind, safety fence, parent roll kick-out system with return core arms, bridge table locking pins, upper calendar locking pins, between unwinds floor foil and cradle holding pins.

Pieper Automation provided timely project communication with weekly updates on cost, schedule and updated issues list. Mechanical and electrical engineers supported the onsite construction work and programming needs during startup. Pieper Automation reduced the project costs by utilizing its project management skills and depth of experience.

All drawings and documents submitted to government approval were Professional Engineer (PE) stamped for the state in which the facility was located. The project documentation managed by utilizing a third party cloud service with access given based on project team membership, an equipment OEM, or construction contractor status.

Pieper Automation provided all engineering, design, installation and startup.

www.pieperautomation.com | (262) 879-8400 | sales@pieperautomation.com